

PES Environmental, Inc.- WA

Sample Delivery Group: L1490043
Samples Received: 05/04/2022
Project Number: 443022-1413001.10.70
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:



Jared Starkey
Project Manager

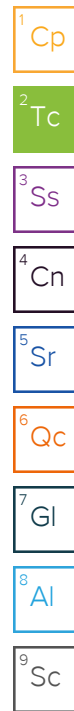
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Pace Analytical National

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

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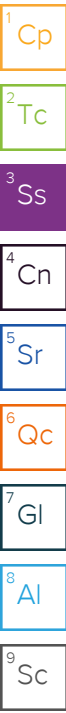


SAMPLE SUMMARY

MW-154-050222 L1490043-01 GW

Collected by Ben Hecht Collected date/time 05/02/22 12:35 Received date/time 05/04/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1865341	1	05/18/22 02:39	05/18/22 02:39	KEG	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1862417	1	05/12/22 03:31	05/12/22 03:31	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1861242	1	05/10/22 19:15	05/11/22 00:15	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1861160	1	05/11/22 09:46	05/11/22 09:46	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860013	1	05/06/22 17:42	05/06/22 17:42	ACG	Mt. Juliet, TN



MW-153-050222 L1490043-02 GW

Collected by Ben Hecht Collected date/time 05/02/22 16:50 Received date/time 05/04/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1865341	1	05/18/22 04:14	05/18/22 04:14	KEG	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1862417	1	05/12/22 03:44	05/12/22 03:44	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1861242	5	05/10/22 19:15	05/11/22 16:51	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1861160	1	05/11/22 09:49	05/11/22 09:49	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860013	1	05/06/22 18:01	05/06/22 18:01	ACG	Mt. Juliet, TN

MW-146-050322 L1490043-03 GW

Collected by Ben Hecht Collected date/time 05/03/22 11:00 Received date/time 05/04/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1865341	1	05/18/22 04:30	05/18/22 04:30	KEG	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1862417	1	05/12/22 04:00	05/12/22 04:00	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1861242	10	05/10/22 19:15	05/11/22 16:54	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1861160	1	05/11/22 09:55	05/11/22 09:55	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1862452	10	05/11/22 13:46	05/11/22 13:46	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860013	10	05/06/22 16:27	05/06/22 16:27	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860643	10	05/09/22 13:23	05/09/22 13:23	ADM	Mt. Juliet, TN

MW-147-050322 L1490043-04 GW

Collected by Ben Hecht Collected date/time 05/03/22 12:35 Received date/time 05/04/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1865341	1	05/18/22 04:46	05/18/22 04:46	KEG	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1862417	1	05/12/22 04:17	05/12/22 04:17	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1861242	10	05/10/22 19:15	05/11/22 16:58	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1861160	1	05/11/22 09:58	05/11/22 09:58	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1862452	10	05/11/22 13:49	05/11/22 13:49	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860013	10	05/06/22 16:46	05/06/22 16:46	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860643	10	05/09/22 13:42	05/09/22 13:42	ADM	Mt. Juliet, TN

MW-337-050322 L1490043-05 GW

Collected by Ben Hecht Collected date/time 05/03/22 15:35 Received date/time 05/04/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860013	1	05/06/22 18:20	05/06/22 18:20	ACG	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.



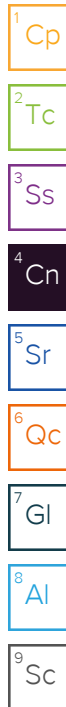
Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 05/18/22 12:17

Project Narrative

Sample IDs "MW-153-050222" and "MW-154-050222" were inadvertently mislabeled/switched during the logging process. COC will not match report for -01 and -02. The PDF report is correct as is.



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	44700		594	5000	1	05/18/2022 02:39	WG1865341

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)	1850	<u>B</u>	102	1000	1	05/12/2022 03:31	WG1862417

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	139		28.1	100	1	05/11/2022 00:15	WG1861242
Manganese	11.8		0.704	5.00	1	05/11/2022 00:15	WG1861242

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	05/11/2022 09:46	WG1861160
Ethane	U		0.296	1.29	1	05/11/2022 09:46	WG1861160
Ethene	U		0.422	1.27	1	05/11/2022 09:46	WG1861160

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	1.02	<u>B C3</u>	0.548	1.00	1	05/06/2022 17:42	WG1860013
Acrylonitrile	U	<u>C3</u>	0.0760	0.500	1	05/06/2022 17:42	WG1860013
Benzene	U		0.0160	0.0400	1	05/06/2022 17:42	WG1860013
Bromobenzene	U		0.0420	0.500	1	05/06/2022 17:42	WG1860013
Bromodichloromethane	U		0.0315	0.100	1	05/06/2022 17:42	WG1860013
Bromoform	U	<u>C3</u>	0.239	1.00	1	05/06/2022 17:42	WG1860013
Bromomethane	U		0.148	0.500	1	05/06/2022 17:42	WG1860013
n-Butylbenzene	U		0.153	0.500	1	05/06/2022 17:42	WG1860013
sec-Butylbenzene	U		0.101	0.500	1	05/06/2022 17:42	WG1860013
tert-Butylbenzene	U		0.0620	0.200	1	05/06/2022 17:42	WG1860013
Carbon tetrachloride	U		0.0432	0.200	1	05/06/2022 17:42	WG1860013
Chlorobenzene	U		0.0229	0.100	1	05/06/2022 17:42	WG1860013
Chlorodibromomethane	U	<u>C3</u>	0.0180	0.100	1	05/06/2022 17:42	WG1860013
Chloroethane	U		0.0432	0.200	1	05/06/2022 17:42	WG1860013
Chloroform	0.0650	<u>J</u>	0.0166	0.100	1	05/06/2022 17:42	WG1860013
Chloromethane	U		0.0556	0.500	1	05/06/2022 17:42	WG1860013
2-Chlorotoluene	U		0.0368	0.100	1	05/06/2022 17:42	WG1860013
4-Chlorotoluene	U		0.0452	0.200	1	05/06/2022 17:42	WG1860013
1,2-Dibromo-3-Chloropropane	U	<u>C3 J4</u>	0.204	1.00	1	05/06/2022 17:42	WG1860013
1,2-Dibromoethane	U		0.0210	0.100	1	05/06/2022 17:42	WG1860013
Dibromomethane	U		0.0400	0.200	1	05/06/2022 17:42	WG1860013
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/06/2022 17:42	WG1860013
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/06/2022 17:42	WG1860013
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/06/2022 17:42	WG1860013
Dichlorodifluoromethane	U		0.0327	0.100	1	05/06/2022 17:42	WG1860013
1,1-Dichloroethane	U		0.0230	0.100	1	05/06/2022 17:42	WG1860013
1,2-Dichloroethane	U		0.0190	0.100	1	05/06/2022 17:42	WG1860013
1,1-Dichloroethene	U		0.0200	0.100	1	05/06/2022 17:42	WG1860013
cis-1,2-Dichloroethene	0.0640	<u>J</u>	0.0276	0.100	1	05/06/2022 17:42	WG1860013
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/06/2022 17:42	WG1860013
1,2-Dichloropropane	U		0.0508	0.200	1	05/06/2022 17:42	WG1860013



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	05/06/2022 17:42	WG1860013
1,3-Dichloropropane	U		0.0700	0.200	1	05/06/2022 17:42	WG1860013
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/06/2022 17:42	WG1860013
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/06/2022 17:42	WG1860013
2,2-Dichloropropane	U		0.0317	0.100	1	05/06/2022 17:42	WG1860013
Di-isopropyl ether	U		0.0140	0.0400	1	05/06/2022 17:42	WG1860013
Ethylbenzene	0.182		0.0212	0.100	1	05/06/2022 17:42	WG1860013
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/06/2022 17:42	WG1860013
Isopropylbenzene	0.0500	U	0.0345	0.100	1	05/06/2022 17:42	WG1860013
p-Isopropyltoluene	U		0.0932	0.200	1	05/06/2022 17:42	WG1860013
2-Butanone (MEK)	U		0.500	1.00	1	05/06/2022 17:42	WG1860013
Methylene Chloride	U		0.265	1.00	1	05/06/2022 17:42	WG1860013
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/06/2022 17:42	WG1860013
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/06/2022 17:42	WG1860013
Naphthalene	0.624	C3	0.124	0.500	1	05/06/2022 17:42	WG1860013
n-Propylbenzene	0.157	U	0.0472	0.200	1	05/06/2022 17:42	WG1860013
Styrene	U		0.109	0.500	1	05/06/2022 17:42	WG1860013
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/06/2022 17:42	WG1860013
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/06/2022 17:42	WG1860013
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/06/2022 17:42	WG1860013
Tetrachloroethene	3.13		0.0280	0.100	1	05/06/2022 17:42	WG1860013
Toluene	0.161	U	0.0500	0.200	1	05/06/2022 17:42	WG1860013
1,2,3-Trichlorobenzene	U	C4 J4	0.0250	0.500	1	05/06/2022 17:42	WG1860013
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/06/2022 17:42	WG1860013
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/06/2022 17:42	WG1860013
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/06/2022 17:42	WG1860013
Trichloroethene	0.365		0.0160	0.0400	1	05/06/2022 17:42	WG1860013
Trichlorofluoromethane	U		0.0200	0.100	1	05/06/2022 17:42	WG1860013
1,2,3-Trichloropropane	U		0.204	0.500	1	05/06/2022 17:42	WG1860013
1,2,4-Trimethylbenzene	0.417		0.0464	0.200	1	05/06/2022 17:42	WG1860013
1,2,3-Trimethylbenzene	0.185	U	0.0460	0.200	1	05/06/2022 17:42	WG1860013
1,3,5-Trimethylbenzene	0.0920	U	0.0432	0.200	1	05/06/2022 17:42	WG1860013
Vinyl chloride	U		0.0273	0.100	1	05/06/2022 17:42	WG1860013
Xylenes, Total	0.280		0.191	0.260	1	05/06/2022 17:42	WG1860013
Ethyl Ether	U		0.0170	0.100	1	05/06/2022 17:42	WG1860013
Tetrahydrofuran	U		0.0900	0.500	1	05/06/2022 17:42	WG1860013
Iodomethane	U		0.242	0.500	1	05/06/2022 17:42	WG1860013
Allyl chloride	U		0.580	1.00	1	05/06/2022 17:42	WG1860013
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/06/2022 17:42	WG1860013
(S) Toluene-d8	98.9			75.0-131		05/06/2022 17:42	WG1860013
(S) 4-Bromofluorobenzene	98.1			67.0-138		05/06/2022 17:42	WG1860013
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/06/2022 17:42	WG1860013

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	8500		594	5000	1	05/18/2022 04:14	WG1865341

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)	1390	<u>B</u>	102	1000	1	05/12/2022 03:44	WG1862417

Metals (ICPMS) by Method 6020B

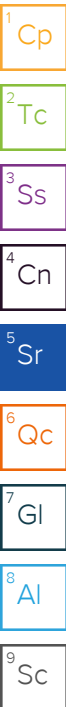
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	8800		140	500	5	05/11/2022 16:51	WG1861242
Manganese	436		3.52	25.0	5	05/11/2022 16:51	WG1861242

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	173		0.287	0.678	1	05/11/2022 09:49	WG1861160
Ethane	1.20	<u>J</u>	0.296	1.29	1	05/11/2022 09:49	WG1861160
Ethene	9.40		0.422	1.27	1	05/11/2022 09:49	WG1861160

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	1.04	<u>B C3</u>	0.548	1.00	1	05/06/2022 18:01	WG1860013
Acrylonitrile	U	<u>C3</u>	0.0760	0.500	1	05/06/2022 18:01	WG1860013
Benzene	U		0.0160	0.0400	1	05/06/2022 18:01	WG1860013
Bromobenzene	U		0.0420	0.500	1	05/06/2022 18:01	WG1860013
Bromodichloromethane	U		0.0315	0.100	1	05/06/2022 18:01	WG1860013
Bromoform	U	<u>C3</u>	0.239	1.00	1	05/06/2022 18:01	WG1860013
Bromomethane	U		0.148	0.500	1	05/06/2022 18:01	WG1860013
n-Butylbenzene	U		0.153	0.500	1	05/06/2022 18:01	WG1860013
sec-Butylbenzene	U		0.101	0.500	1	05/06/2022 18:01	WG1860013
tert-Butylbenzene	U		0.0620	0.200	1	05/06/2022 18:01	WG1860013
Carbon tetrachloride	U		0.0432	0.200	1	05/06/2022 18:01	WG1860013
Chlorobenzene	U		0.0229	0.100	1	05/06/2022 18:01	WG1860013
Chlorodibromomethane	U	<u>C3</u>	0.0180	0.100	1	05/06/2022 18:01	WG1860013
Chloroethane	U		0.0432	0.200	1	05/06/2022 18:01	WG1860013
Chloroform	U		0.0166	0.100	1	05/06/2022 18:01	WG1860013
Chloromethane	U		0.0556	0.500	1	05/06/2022 18:01	WG1860013
2-Chlorotoluene	U		0.0368	0.100	1	05/06/2022 18:01	WG1860013
4-Chlorotoluene	U		0.0452	0.200	1	05/06/2022 18:01	WG1860013
1,2-Dibromo-3-Chloropropane	U	<u>C3 J4</u>	0.204	1.00	1	05/06/2022 18:01	WG1860013
1,2-Dibromoethane	U		0.0210	0.100	1	05/06/2022 18:01	WG1860013
Dibromomethane	U		0.0400	0.200	1	05/06/2022 18:01	WG1860013
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/06/2022 18:01	WG1860013
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/06/2022 18:01	WG1860013
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/06/2022 18:01	WG1860013
Dichlorodifluoromethane	U		0.0327	0.100	1	05/06/2022 18:01	WG1860013
1,1-Dichloroethane	U		0.0230	0.100	1	05/06/2022 18:01	WG1860013
1,2-Dichloroethane	U		0.0190	0.100	1	05/06/2022 18:01	WG1860013
1,1-Dichloroethene	U		0.0200	0.100	1	05/06/2022 18:01	WG1860013
cis-1,2-Dichloroethene	0.240		0.0276	0.100	1	05/06/2022 18:01	WG1860013
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/06/2022 18:01	WG1860013
1,2-Dichloropropane	U		0.0508	0.200	1	05/06/2022 18:01	WG1860013



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	05/06/2022 18:01	WG1860013
1,3-Dichloropropane	U		0.0700	0.200	1	05/06/2022 18:01	WG1860013
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/06/2022 18:01	WG1860013
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/06/2022 18:01	WG1860013
2,2-Dichloropropane	U		0.0317	0.100	1	05/06/2022 18:01	WG1860013
Di-isopropyl ether	U		0.0140	0.0400	1	05/06/2022 18:01	WG1860013
Ethylbenzene	0.127		0.0212	0.100	1	05/06/2022 18:01	WG1860013
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/06/2022 18:01	WG1860013
Isopropylbenzene	U		0.0345	0.100	1	05/06/2022 18:01	WG1860013
p-Isopropyltoluene	U		0.0932	0.200	1	05/06/2022 18:01	WG1860013
2-Butanone (MEK)	U		0.500	1.00	1	05/06/2022 18:01	WG1860013
Methylene Chloride	U		0.265	1.00	1	05/06/2022 18:01	WG1860013
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/06/2022 18:01	WG1860013
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/06/2022 18:01	WG1860013
Naphthalene	U	C3	0.124	0.500	1	05/06/2022 18:01	WG1860013
n-Propylbenzene	U		0.0472	0.200	1	05/06/2022 18:01	WG1860013
Styrene	U		0.109	0.500	1	05/06/2022 18:01	WG1860013
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/06/2022 18:01	WG1860013
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/06/2022 18:01	WG1860013
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/06/2022 18:01	WG1860013
Tetrachloroethene	U		0.0280	0.100	1	05/06/2022 18:01	WG1860013
Toluene	0.503		0.0500	0.200	1	05/06/2022 18:01	WG1860013
1,2,3-Trichlorobenzene	U	C4 J4	0.0250	0.500	1	05/06/2022 18:01	WG1860013
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/06/2022 18:01	WG1860013
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/06/2022 18:01	WG1860013
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/06/2022 18:01	WG1860013
Trichloroethene	U		0.0160	0.0400	1	05/06/2022 18:01	WG1860013
Trichlorofluoromethane	U		0.0200	0.100	1	05/06/2022 18:01	WG1860013
1,2,3-Trichloropropane	U		0.204	0.500	1	05/06/2022 18:01	WG1860013
1,2,4-Trimethylbenzene	0.158	J	0.0464	0.200	1	05/06/2022 18:01	WG1860013
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/06/2022 18:01	WG1860013
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/06/2022 18:01	WG1860013
Vinyl chloride	1.10		0.0273	0.100	1	05/06/2022 18:01	WG1860013
Xylenes, Total	0.520		0.191	0.260	1	05/06/2022 18:01	WG1860013
Ethyl Ether	U		0.0170	0.100	1	05/06/2022 18:01	WG1860013
Tetrahydrofuran	U		0.0900	0.500	1	05/06/2022 18:01	WG1860013
Iodomethane	U		0.242	0.500	1	05/06/2022 18:01	WG1860013
Allyl chloride	U		0.580	1.00	1	05/06/2022 18:01	WG1860013
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/06/2022 18:01	WG1860013
(S) Toluene-d8	97.9			75.0-131		05/06/2022 18:01	WG1860013
(S) 4-Bromofluorobenzene	99.3			67.0-138		05/06/2022 18:01	WG1860013
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/06/2022 18:01	WG1860013

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	15000		594	5000	1	05/18/2022 04:30	WG1865341

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)	3920	<u>B</u>	102	1000	1	05/12/2022 04:00	WG1862417

Metals (ICPMS) by Method 6020B

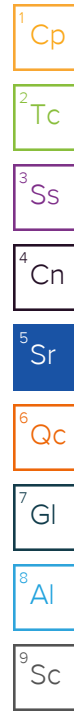
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5150		281	1000	10	05/11/2022 16:54	WG1861242
Manganese	1410		7.04	50.0	10	05/11/2022 16:54	WG1861242

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	11700		2.87	6.78	10	05/11/2022 13:46	WG1862452
Ethane	302		0.296	1.29	1	05/11/2022 09:55	WG1861160
Ethene	250		0.422	1.27	1	05/11/2022 09:55	WG1861160

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	22.3	<u>B C3</u>	5.48	10.0	10	05/06/2022 16:27	WG1860013
Acrylonitrile	U	<u>C3</u>	0.760	5.00	10	05/06/2022 16:27	WG1860013
Benzene	U		0.160	0.400	10	05/09/2022 13:23	WG1860643
Bromobenzene	U		0.420	5.00	10	05/06/2022 16:27	WG1860013
Bromodichloromethane	U		0.315	1.00	10	05/06/2022 16:27	WG1860013
Bromoform	U	<u>C3</u>	2.39	10.0	10	05/06/2022 16:27	WG1860013
Bromomethane	U		1.48	5.00	10	05/06/2022 16:27	WG1860013
n-Butylbenzene	U		1.53	5.00	10	05/06/2022 16:27	WG1860013
sec-Butylbenzene	U		1.01	5.00	10	05/06/2022 16:27	WG1860013
tert-Butylbenzene	U		0.620	2.00	10	05/06/2022 16:27	WG1860013
Carbon tetrachloride	U		0.432	2.00	10	05/06/2022 16:27	WG1860013
Chlorobenzene	U		0.229	1.00	10	05/06/2022 16:27	WG1860013
Chlorodibromomethane	U	<u>C3</u>	0.180	1.00	10	05/06/2022 16:27	WG1860013
Chloroethane	U		0.432	2.00	10	05/06/2022 16:27	WG1860013
Chloroform	U		0.166	1.00	10	05/06/2022 16:27	WG1860013
Chloromethane	U		0.556	5.00	10	05/06/2022 16:27	WG1860013
2-Chlorotoluene	U		0.368	1.00	10	05/06/2022 16:27	WG1860013
4-Chlorotoluene	U		0.452	2.00	10	05/06/2022 16:27	WG1860013
1,2-Dibromo-3-Chloropropane	U	<u>C3 J4</u>	2.04	10.0	10	05/06/2022 16:27	WG1860013
1,2-Dibromoethane	U		0.210	1.00	10	05/06/2022 16:27	WG1860013
Dibromomethane	U		0.400	2.00	10	05/06/2022 16:27	WG1860013
1,2-Dichlorobenzene	U		0.580	2.00	10	05/06/2022 16:27	WG1860013
1,3-Dichlorobenzene	U		0.680	2.00	10	05/06/2022 16:27	WG1860013
1,4-Dichlorobenzene	U		0.788	2.00	10	05/06/2022 16:27	WG1860013
Dichlorodifluoromethane	U		0.327	1.00	10	05/06/2022 16:27	WG1860013
1,1-Dichloroethane	U		0.230	1.00	10	05/06/2022 16:27	WG1860013
1,2-Dichloroethane	U		0.190	1.00	10	05/06/2022 16:27	WG1860013
1,1-Dichloroethene	U		0.200	1.00	10	05/06/2022 16:27	WG1860013
cis-1,2-Dichloroethene	25.6		0.276	1.00	10	05/06/2022 16:27	WG1860013
trans-1,2-Dichloroethene	1.21	<u>J</u>	0.572	2.00	10	05/06/2022 16:27	WG1860013
1,2-Dichloropropane	U		0.508	2.00	10	05/06/2022 16:27	WG1860013



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		0.280	1.00	10	05/06/2022 16:27	WG1860013
1,3-Dichloropropane	U		0.700	2.00	10	05/06/2022 16:27	WG1860013
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/06/2022 16:27	WG1860013
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/06/2022 16:27	WG1860013
2,2-Dichloropropane	U		0.317	1.00	10	05/06/2022 16:27	WG1860013
Di-isopropyl ether	U		0.140	0.400	10	05/06/2022 16:27	WG1860013
Ethylbenzene	U		0.212	1.00	10	05/09/2022 13:23	WG1860643
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/06/2022 16:27	WG1860013
Isopropylbenzene	0.840	J	0.345	1.00	10	05/06/2022 16:27	WG1860013
p-Isopropyltoluene	U		0.932	2.00	10	05/06/2022 16:27	WG1860013
2-Butanone (MEK)	U		5.00	10.0	10	05/06/2022 16:27	WG1860013
Methylene Chloride	U		2.65	10.0	10	05/06/2022 16:27	WG1860013
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/06/2022 16:27	WG1860013
Methyl tert-butyl ether	U		0.118	0.400	10	05/06/2022 16:27	WG1860013
Naphthalene	27.1	C3	1.24	5.00	10	05/06/2022 16:27	WG1860013
n-Propylbenzene	3.06		0.472	2.00	10	05/06/2022 16:27	WG1860013
Styrene	U		1.09	5.00	10	05/06/2022 16:27	WG1860013
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/06/2022 16:27	WG1860013
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/06/2022 16:27	WG1860013
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/06/2022 16:27	WG1860013
Tetrachloroethene	U		0.280	1.00	10	05/06/2022 16:27	WG1860013
Toluene	U		0.500	2.00	10	05/09/2022 13:23	WG1860643
1,2,3-Trichlorobenzene	U	C4 J4	0.250	5.00	10	05/06/2022 16:27	WG1860013
1,2,4-Trichlorobenzene	U	C4	1.93	5.00	10	05/06/2022 16:27	WG1860013
1,1,1-Trichloroethane	U		0.110	1.00	10	05/06/2022 16:27	WG1860013
1,1,2-Trichloroethane	U		0.353	1.00	10	05/06/2022 16:27	WG1860013
Trichloroethene	U		0.160	0.400	10	05/06/2022 16:27	WG1860013
Trichlorofluoromethane	U		0.200	1.00	10	05/06/2022 16:27	WG1860013
1,2,3-Trichloropropane	U		2.04	5.00	10	05/06/2022 16:27	WG1860013
1,2,4-Trimethylbenzene	23.7		0.464	2.00	10	05/06/2022 16:27	WG1860013
1,2,3-Trimethylbenzene	6.62		0.460	2.00	10	05/06/2022 16:27	WG1860013
1,3,5-Trimethylbenzene	6.56		0.432	2.00	10	05/06/2022 16:27	WG1860013
Vinyl chloride	280		0.273	1.00	10	05/06/2022 16:27	WG1860013
Xylenes, Total	U		1.91	2.60	10	05/09/2022 13:23	WG1860643
Ethyl Ether	U		0.170	1.00	10	05/06/2022 16:27	WG1860013
Tetrahydrofuran	U		0.900	5.00	10	05/06/2022 16:27	WG1860013
Iodomethane	U		2.42	5.00	10	05/06/2022 16:27	WG1860013
Allyl chloride	U		5.80	10.0	10	05/06/2022 16:27	WG1860013
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/06/2022 16:27	WG1860013
(S) Toluene-d8	98.6			75.0-131		05/06/2022 16:27	WG1860013
(S) Toluene-d8	107			75.0-131		05/09/2022 13:23	WG1860643
(S) 4-Bromofluorobenzene	99.1			67.0-138		05/06/2022 16:27	WG1860013
(S) 4-Bromofluorobenzene	94.3			67.0-138		05/09/2022 13:23	WG1860643
(S) 1,2-Dichloroethane-d4	106			70.0-130		05/06/2022 16:27	WG1860013
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/09/2022 13:23	WG1860643

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	5590		594	5000	1	05/18/2022 04:46	WG1865341

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)	4840	<u>B</u>	102	1000	1	05/12/2022 04:17	WG1862417

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	14200		281	1000	10	05/11/2022 16:58	WG1861242
Manganese	1740		7.04	50.0	10	05/11/2022 16:58	WG1861242

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	14600		2.87	6.78	10	05/11/2022 13:49	WG1862452
Ethane	208		0.296	1.29	1	05/11/2022 09:58	WG1861160
Ethene	296		0.422	1.27	1	05/11/2022 09:58	WG1861160

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	18.8	<u>B C3</u>	5.48	10.0	10	05/06/2022 16:46	WG1860013
Acrylonitrile	U	<u>C3</u>	0.760	5.00	10	05/06/2022 16:46	WG1860013
Benzene	U		0.160	0.400	10	05/06/2022 16:46	WG1860013
Bromobenzene	U		0.420	5.00	10	05/06/2022 16:46	WG1860013
Bromodichloromethane	U		0.315	1.00	10	05/06/2022 16:46	WG1860013
Bromoform	U	<u>C3</u>	2.39	10.0	10	05/06/2022 16:46	WG1860013
Bromomethane	U		1.48	5.00	10	05/06/2022 16:46	WG1860013
n-Butylbenzene	U		1.53	5.00	10	05/06/2022 16:46	WG1860013
sec-Butylbenzene	U		1.01	5.00	10	05/06/2022 16:46	WG1860013
tert-Butylbenzene	U		0.620	2.00	10	05/06/2022 16:46	WG1860013
Carbon tetrachloride	U		0.432	2.00	10	05/06/2022 16:46	WG1860013
Chlorobenzene	U		0.229	1.00	10	05/06/2022 16:46	WG1860013
Chlorodibromomethane	U	<u>C3</u>	0.180	1.00	10	05/06/2022 16:46	WG1860013
Chloroethane	U		0.432	2.00	10	05/06/2022 16:46	WG1860013
Chloroform	U		0.166	1.00	10	05/06/2022 16:46	WG1860013
Chloromethane	U		0.556	5.00	10	05/06/2022 16:46	WG1860013
2-Chlorotoluene	U		0.368	1.00	10	05/06/2022 16:46	WG1860013
4-Chlorotoluene	U		0.452	2.00	10	05/06/2022 16:46	WG1860013
1,2-Dibromo-3-Chloropropane	U	<u>C3 J4</u>	2.04	10.0	10	05/06/2022 16:46	WG1860013
1,2-Dibromoethane	U		0.210	1.00	10	05/06/2022 16:46	WG1860013
Dibromomethane	U		0.400	2.00	10	05/06/2022 16:46	WG1860013
1,2-Dichlorobenzene	U		0.580	2.00	10	05/06/2022 16:46	WG1860013
1,3-Dichlorobenzene	U		0.680	2.00	10	05/06/2022 16:46	WG1860013
1,4-Dichlorobenzene	U		0.788	2.00	10	05/06/2022 16:46	WG1860013
Dichlorodifluoromethane	U		0.327	1.00	10	05/06/2022 16:46	WG1860013
1,1-Dichloroethane	U		0.230	1.00	10	05/06/2022 16:46	WG1860013
1,2-Dichloroethane	U		0.190	1.00	10	05/06/2022 16:46	WG1860013
1,1-Dichloroethene	0.880	<u>J</u>	0.200	1.00	10	05/06/2022 16:46	WG1860013
cis-1,2-Dichloroethene	121		0.276	1.00	10	05/06/2022 16:46	WG1860013
trans-1,2-Dichloroethene	2.31		0.572	2.00	10	05/06/2022 16:46	WG1860013
1,2-Dichloropropane	U		0.508	2.00	10	05/06/2022 16:46	WG1860013



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		0.280	1.00	10	05/06/2022 16:46	WG1860013
1,3-Dichloropropane	U		0.700	2.00	10	05/06/2022 16:46	WG1860013
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/06/2022 16:46	WG1860013
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/06/2022 16:46	WG1860013
2,2-Dichloropropane	U		0.317	1.00	10	05/06/2022 16:46	WG1860013
Di-isopropyl ether	U		0.140	0.400	10	05/06/2022 16:46	WG1860013
Ethylbenzene	U		0.212	1.00	10	05/09/2022 13:42	WG1860643
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/06/2022 16:46	WG1860013
Isopropylbenzene	U		0.345	1.00	10	05/06/2022 16:46	WG1860013
p-Isopropyltoluene	U		0.932	2.00	10	05/06/2022 16:46	WG1860013
2-Butanone (MEK)	U		5.00	10.0	10	05/06/2022 16:46	WG1860013
Methylene Chloride	U		2.65	10.0	10	05/06/2022 16:46	WG1860013
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/06/2022 16:46	WG1860013
Methyl tert-butyl ether	U		0.118	0.400	10	05/06/2022 16:46	WG1860013
Naphthalene	3.03	C3 J	1.24	5.00	10	05/06/2022 16:46	WG1860013
n-Propylbenzene	U		0.472	2.00	10	05/06/2022 16:46	WG1860013
Styrene	U		1.09	5.00	10	05/06/2022 16:46	WG1860013
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/06/2022 16:46	WG1860013
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/06/2022 16:46	WG1860013
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/06/2022 16:46	WG1860013
Tetrachloroethene	U		0.280	1.00	10	05/06/2022 16:46	WG1860013
Toluene	U		0.500	2.00	10	05/06/2022 16:46	WG1860013
1,2,3-Trichlorobenzene	U	C4 J4	0.250	5.00	10	05/06/2022 16:46	WG1860013
1,2,4-Trichlorobenzene	U	C4	1.93	5.00	10	05/06/2022 16:46	WG1860013
1,1,1-Trichloroethane	U		0.110	1.00	10	05/06/2022 16:46	WG1860013
1,1,2-Trichloroethane	U		0.353	1.00	10	05/06/2022 16:46	WG1860013
Trichloroethene	0.250	I	0.160	0.400	10	05/06/2022 16:46	WG1860013
Trichlorofluoromethane	U		0.200	1.00	10	05/06/2022 16:46	WG1860013
1,2,3-Trichloropropane	U		2.04	5.00	10	05/06/2022 16:46	WG1860013
1,2,4-Trimethylbenzene	3.27		0.464	2.00	10	05/06/2022 16:46	WG1860013
1,2,3-Trimethylbenzene	0.960	I	0.460	2.00	10	05/06/2022 16:46	WG1860013
1,3,5-Trimethylbenzene	0.910	I	0.432	2.00	10	05/06/2022 16:46	WG1860013
Vinyl chloride	273		0.273	1.00	10	05/06/2022 16:46	WG1860013
Xylenes, Total	U		1.91	2.60	10	05/09/2022 13:42	WG1860643
Ethyl Ether	U		0.170	1.00	10	05/06/2022 16:46	WG1860013
Tetrahydrofuran	U		0.900	5.00	10	05/06/2022 16:46	WG1860013
Iodomethane	U		2.42	5.00	10	05/06/2022 16:46	WG1860013
Allyl chloride	U		5.80	10.0	10	05/06/2022 16:46	WG1860013
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/06/2022 16:46	WG1860013
(S) Toluene-d8	98.3			75.0-131		05/06/2022 16:46	WG1860013
(S) Toluene-d8	103			75.0-131		05/09/2022 13:42	WG1860643
(S) 4-Bromofluorobenzene	98.1			67.0-138		05/06/2022 16:46	WG1860013
(S) 4-Bromofluorobenzene	91.0			67.0-138		05/09/2022 13:42	WG1860643
(S) 1,2-Dichloroethane-d4	107			70.0-130		05/06/2022 16:46	WG1860013
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/09/2022 13:42	WG1860643

- 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	C3	0.548	1.00	1	05/06/2022 18:20	WG1860013
Acrylonitrile	U	C3	0.0760	0.500	1	05/06/2022 18:20	WG1860013
Benzene	U		0.0160	0.0400	1	05/06/2022 18:20	WG1860013
Bromobenzene	U		0.0420	0.500	1	05/06/2022 18:20	WG1860013
Bromodichloromethane	U		0.0315	0.100	1	05/06/2022 18:20	WG1860013
Bromoform	U	C3	0.239	1.00	1	05/06/2022 18:20	WG1860013
Bromomethane	U		0.148	0.500	1	05/06/2022 18:20	WG1860013
n-Butylbenzene	U		0.153	0.500	1	05/06/2022 18:20	WG1860013
sec-Butylbenzene	U		0.101	0.500	1	05/06/2022 18:20	WG1860013
tert-Butylbenzene	U		0.0620	0.200	1	05/06/2022 18:20	WG1860013
Carbon tetrachloride	U		0.0432	0.200	1	05/06/2022 18:20	WG1860013
Chlorobenzene	U		0.0229	0.100	1	05/06/2022 18:20	WG1860013
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/06/2022 18:20	WG1860013
Chloroethane	U		0.0432	0.200	1	05/06/2022 18:20	WG1860013
Chloroform	U		0.0166	0.100	1	05/06/2022 18:20	WG1860013
Chloromethane	U		0.0556	0.500	1	05/06/2022 18:20	WG1860013
2-Chlorotoluene	U		0.0368	0.100	1	05/06/2022 18:20	WG1860013
4-Chlorotoluene	U		0.0452	0.200	1	05/06/2022 18:20	WG1860013
1,2-Dibromo-3-Chloropropane	U	C3 J4	0.204	1.00	1	05/06/2022 18:20	WG1860013
1,2-Dibromoethane	U		0.0210	0.100	1	05/06/2022 18:20	WG1860013
Dibromomethane	U		0.0400	0.200	1	05/06/2022 18:20	WG1860013
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/06/2022 18:20	WG1860013
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/06/2022 18:20	WG1860013
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/06/2022 18:20	WG1860013
Dichlorodifluoromethane	U		0.0327	0.100	1	05/06/2022 18:20	WG1860013
1,1-Dichloroethane	U		0.0230	0.100	1	05/06/2022 18:20	WG1860013
1,2-Dichloroethane	U		0.0190	0.100	1	05/06/2022 18:20	WG1860013
1,1-Dichloroethene	U		0.0200	0.100	1	05/06/2022 18:20	WG1860013
cis-1,2-Dichloroethene	0.0290	J	0.0276	0.100	1	05/06/2022 18:20	WG1860013
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/06/2022 18:20	WG1860013
1,2-Dichloropropane	U		0.0508	0.200	1	05/06/2022 18:20	WG1860013
1,1-Dichloropropene	U		0.0280	0.100	1	05/06/2022 18:20	WG1860013
1,3-Dichloropropane	U		0.0700	0.200	1	05/06/2022 18:20	WG1860013
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/06/2022 18:20	WG1860013
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/06/2022 18:20	WG1860013
2,2-Dichloropropane	U		0.0317	0.100	1	05/06/2022 18:20	WG1860013
Di-isopropyl ether	U		0.0140	0.0400	1	05/06/2022 18:20	WG1860013
Ethylbenzene	U		0.0212	0.100	1	05/06/2022 18:20	WG1860013
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/06/2022 18:20	WG1860013
Isopropylbenzene	U		0.0345	0.100	1	05/06/2022 18:20	WG1860013
p-Isopropyltoluene	U		0.0932	0.200	1	05/06/2022 18:20	WG1860013
2-Butanone (MEK)	U		0.500	1.00	1	05/06/2022 18:20	WG1860013
Methylene Chloride	U		0.265	1.00	1	05/06/2022 18:20	WG1860013
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/06/2022 18:20	WG1860013
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/06/2022 18:20	WG1860013
Naphthalene	U	C3	0.124	0.500	1	05/06/2022 18:20	WG1860013
n-Propylbenzene	U		0.0472	0.200	1	05/06/2022 18:20	WG1860013
Styrene	U		0.109	0.500	1	05/06/2022 18:20	WG1860013
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/06/2022 18:20	WG1860013
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/06/2022 18:20	WG1860013
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/06/2022 18:20	WG1860013
Tetrachloroethene	U		0.0280	0.100	1	05/06/2022 18:20	WG1860013
Toluene	U		0.0500	0.200	1	05/06/2022 18:20	WG1860013
1,2,3-Trichlorobenzene	U	C4 J4	0.0250	0.500	1	05/06/2022 18:20	WG1860013
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/06/2022 18:20	WG1860013
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/06/2022 18:20	WG1860013

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/06/2022 18:20	WG1860013
Trichloroethene	0.0530		0.0160	0.0400	1	05/06/2022 18:20	WG1860013
Trichlorofluoromethane	U		0.0200	0.100	1	05/06/2022 18:20	WG1860013
1,2,3-Trichloropropane	U		0.204	0.500	1	05/06/2022 18:20	WG1860013
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/06/2022 18:20	WG1860013
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/06/2022 18:20	WG1860013
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/06/2022 18:20	WG1860013
Vinyl chloride	U		0.0273	0.100	1	05/06/2022 18:20	WG1860013
Xylenes, Total	U		0.191	0.260	1	05/06/2022 18:20	WG1860013
Ethyl Ether	U		0.0170	0.100	1	05/06/2022 18:20	WG1860013
Tetrahydrofuran	U		0.0900	0.500	1	05/06/2022 18:20	WG1860013
Iodomethane	U		0.242	0.500	1	05/06/2022 18:20	WG1860013
Allyl chloride	U		0.580	1.00	1	05/06/2022 18:20	WG1860013
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/06/2022 18:20	WG1860013
(S) Toluene-d8	98.4			75.0-131		05/06/2022 18:20	WG1860013
(S) 4-Bromofluorobenzene	97.6			67.0-138		05/06/2022 18:20	WG1860013
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/06/2022 18:20	WG1860013

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3793028-1 05/17/22 10:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1489193-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1489193-01 05/17/22 21:04 • (DUP) R3793028-3 05/17/22 21:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	28800	28700	1	0.215		15

L1490043-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1490043-01 05/18/22 02:39 • (DUP) R3793028-5 05/18/22 02:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	44700	44600	1	0.0703		15

Laboratory Control Sample (LCS)

(LCS) R3793028-2 05/17/22 10:29

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	40700	102	80.0-120	

L1489193-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1489193-01 05/17/22 21:04 • (MS) R3793028-4 05/17/22 22:08

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	28800	79400	101	1	80.0-120	

L1490043-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1490043-01 05/18/22 02:39 • (MS) R3793028-6 05/18/22 03:10 • (MSD) R3793028-7 05/18/22 03:26

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	44700	91600	91800	93.9	94.3	1	80.0-120			0.244	15

Method Blank (MB)

(MB) R3791068-2 05/11/22 13:24

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	492	↓	102	1000

1 Cp

2 Tc

3 Ss

L1488703-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1488703-17 05/11/22 21:42 • (DUP) R3791068-5 05/11/22 21:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	545	501	1	8.49	↓	20

4 Cn

5 Sr

L1488974-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1488974-01 05/11/22 23:05 • (DUP) R3791068-6 05/11/22 23:29

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	34500	34600	1	0.319		20

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3791068-1 05/11/22 13:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	73000	97.3	85.0-115	

L1488703-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1488703-14 05/11/22 20:09 • (MS) R3791068-3 05/11/22 20:26 • (MSD) R3791068-4 05/11/22 20:47

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	643	48500	50800	95.7	100	1	80.0-120			4.69	20

L1489330-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1489330-05 05/12/22 00:38 • (MS) R3791068-7 05/12/22 00:59 • (MSD) R3791068-8 05/12/22 01:20

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	3230	52500	53800	98.6	101	1	80.0-120			2.45	20

Method Blank (MB)

(MB) R3790510-1 05/10/22 22:41

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3790510-2 05/10/22 22:44

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	4830	96.5	80.0-120	
Manganese	50.0	48.3	96.5	80.0-120	

L1489930-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1489930-08 05/10/22 22:48 • (MS) R3790510-4 05/10/22 22:54 • (MSD) R3790510-5 05/10/22 22:57

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	47.0	4950	4660	98.0	92.2	1	75.0-125			6.03	20
Manganese	50.0	16.8	66.0	62.0	98.3	90.3	1	75.0-125			6.22	20

L1490039-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1490039-03 05/10/22 23:01 • (MS) R3790510-6 05/10/22 23:04 • (MSD) R3790510-7 05/10/22 23:07

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	242	5080	4880	96.8	92.8	1	75.0-125			4.08	20
Manganese	50.0	220	271	259	103	77.9	1	75.0-125			4.80	20

Method Blank (MB)

(MB) R3790689-2 05/11/22 08:48

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

L1489295-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1489295-02 05/11/22 09:24 • (DUP) R3790689-3 05/11/22 09:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	94.7	93.0	1	1.81		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1490043-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1490043-02 05/11/22 09:49 • (DUP) R3790689-4 05/11/22 12:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	173	191	1	9.89		20
Ethane	1.20	1.24	1	3.28	↓	20
Ethene	9.40	9.73	1	3.45		20

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

(LCS) R3790689-1 05/11/22 08:45 • (LCSD) R3790689-5 05/11/22 12:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	68.4	66.9	101	98.7	85.0-115			2.22	20
Ethane	129	115	118	89.1	91.5	85.0-115			2.58	20
Ethene	127	116	119	91.3	93.7	85.0-115			2.55	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1487832-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1487832-03 05/11/22 10:51 • (MS) R3790689-6 05/11/22 15:00 • (MSD) R3790689-7 05/11/22 15:04

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	23.2	95.8	96.2	107	108	1	85.0-115			0.417	20
Ethane	129	0.533	128	131	98.8	101	1	85.0-115			2.32	20
Ethene	127	3.52	133	136	102	104	1	85.0-115			2.23	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3790722-2 05/11/22 13:40

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

1 Cp

2 Tc

3 Ss

L1489243-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1489243-07 05/11/22 13:52 • (DUP) R3790722-3 05/11/22 13:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	U	U	1	0.000		20

4 Cn

5 Sr

6 Qc

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

(LCS) R3790722-1 05/11/22 13:37 • (LCSD) R3790722-4 05/11/22 14:04

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Methane	67.8	65.8	68.8	97.1	101	85.0-115			4.46	20

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3789364-2 05/06/22 14:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	2.93		0.548	1.00
Acrylonitrile	U		0.0760	0.500
Benzene	U		0.0160	0.0400
Bromobenzene	U		0.0420	0.500
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3789364-2 05/06/22 14:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	0.508		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	97.4			75.0-131
(S) 4-Bromofluorobenzene	99.3			67.0-138
(S) 1,2-Dichloroethane-d4	111			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3789364-1 05/06/22 13:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetone	25.0	17.1	68.4	10.0-160	
Acrylonitrile	25.0	18.4	73.6	45.0-153	
Benzene	5.00	4.65	93.0	70.0-123	
Bromobenzene	5.00	4.67	93.4	73.0-121	
Bromodichloromethane	5.00	4.87	97.4	73.0-121	
Bromoform	5.00	3.54	70.8	64.0-132	
Bromomethane	5.00	4.13	82.6	56.0-147	
n-Butylbenzene	5.00	5.21	104	68.0-135	
sec-Butylbenzene	5.00	5.16	103	74.0-130	
tert-Butylbenzene	5.00	4.72	94.4	75.0-127	
Carbon tetrachloride	5.00	5.01	100	66.0-128	
Chlorobenzene	5.00	4.44	88.8	76.0-128	
Chlorodibromomethane	5.00	3.87	77.4	74.0-127	
Chloroethane	5.00	5.24	105	61.0-134	
Chloroform	5.00	5.07	101	72.0-123	
Chloromethane	5.00	6.03	121	51.0-138	
2-Chlorotoluene	5.00	4.53	90.6	75.0-124	
4-Chlorotoluene	5.00	4.82	96.4	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	2.69	53.8	59.0-130	J4
1,2-Dibromoethane	5.00	4.35	87.0	74.0-128	
Dibromomethane	5.00	4.52	90.4	75.0-122	
1,2-Dichlorobenzene	5.00	4.57	91.4	76.0-124	
1,3-Dichlorobenzene	5.00	4.66	93.2	76.0-125	
1,4-Dichlorobenzene	5.00	4.58	91.6	77.0-121	
Dichlorodifluoromethane	5.00	4.88	97.6	43.0-156	
1,1-Dichloroethane	5.00	5.01	100	70.0-127	
1,2-Dichloroethane	5.00	5.23	105	65.0-131	
1,1-Dichloroethene	5.00	5.28	106	65.0-131	
cis-1,2-Dichloroethene	5.00	4.72	94.4	73.0-125	
trans-1,2-Dichloroethene	5.00	5.28	106	71.0-125	
1,2-Dichloropropane	5.00	4.86	97.2	74.0-125	
1,1-Dichloropropene	5.00	5.66	113	73.0-125	
1,3-Dichloropropane	5.00	4.52	90.4	80.0-125	
cis-1,3-Dichloropropene	5.00	5.00	100	76.0-127	
trans-1,3-Dichloropropene	5.00	4.66	93.2	73.0-127	
2,2-Dichloropropane	5.00	6.62	132	59.0-135	
Di-isopropyl ether	5.00	5.53	111	60.0-136	
Ethylbenzene	5.00	4.43	88.6	74.0-126	
Hexachloro-1,3-butadiene	5.00	4.77	95.4	57.0-150	
Isopropylbenzene	5.00	4.90	98.0	72.0-127	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3789364-1 05/06/22 13:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
p-Isopropyltoluene	5.00	4.58	91.6	72.0-133	
2-Butanone (MEK)	25.0	22.2	88.8	30.0-160	
Methylene Chloride	5.00	4.72	94.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	24.0	96.0	56.0-143	
Methyl tert-butyl ether	5.00	5.02	100	66.0-132	
Naphthalene	5.00	3.03	60.6	59.0-130	
n-Propylbenzene	5.00	5.22	104	74.0-126	
Styrene	5.00	4.26	85.2	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.32	86.4	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	4.56	91.2	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	5.26	105	61.0-139	
Tetrachloroethene	5.00	4.81	96.2	70.0-136	
Toluene	5.00	4.64	92.8	75.0-121	
1,2,3-Trichlorobenzene	5.00	2.89	57.8	59.0-139	J4
1,2,4-Trichlorobenzene	5.00	4.35	87.0	62.0-137	
1,1,1-Trichloroethane	5.00	6.02	120	69.0-126	
1,1,2-Trichloroethane	5.00	4.53	90.6	78.0-123	
Trichloroethene	5.00	5.09	102	76.0-126	
Trichlorofluoromethane	5.00	4.99	99.8	61.0-142	
1,2,3-Trichloropropane	5.00	4.41	88.2	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.89	97.8	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.70	94.0	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.87	97.4	73.0-127	
Vinyl chloride	5.00	4.71	94.2	63.0-134	
Xylenes, Total	15.0	13.3	88.7	72.0-127	
Ethyl ether	5.00	4.70	94.0	64.0-137	
Tetrahydrofuran	5.00	4.59	91.8	37.0-146	
Iodomethane	25.0	25.3	101	74.0-134	
Allyl chloride	25.0	23.7	94.8	70.0-131	
trans-1,4-Dichloro-2-butene	5.00	5.00	100	45.0-143	
(S) Toluene-d8			95.9	75.0-131	
(S) 4-Bromofluorobenzene			100	67.0-138	
(S) 1,2-Dichloroethane-d4			108	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

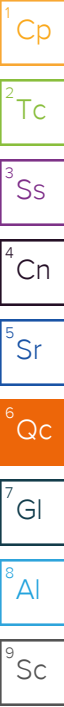
(MB) R3789648-2 05/09/22 11:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0160	0.0400
Ethylbenzene	U		0.0212	0.100
Toluene	U		0.0500	0.200
Xylenes, Total	U		0.191	0.260
(S) Toluene-d8	102			75.0-131
(S) 4-Bromofluorobenzene	96.6			67.0-138
(S) 1,2-Dichloroethane-d4	110			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3789648-1 05/09/22 10:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.81	96.2	70.0-123	
Ethylbenzene	5.00	5.99	120	74.0-126	
Toluene	5.00	5.24	105	75.0-121	
Xylenes, Total	15.0	17.3	115	72.0-127	
(S) Toluene-d8			99.0	75.0-131	
(S) 4-Bromofluorobenzene			98.2	67.0-138	
(S) 1,2-Dichloroethane-d4			112	70.0-130	



GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

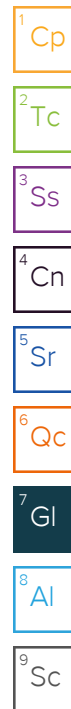
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.



ACCREDITATIONS & LOCATIONS

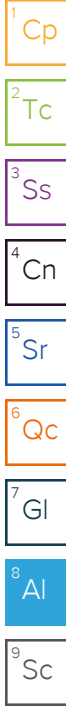
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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.



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

Report to:
 Brian O'Neal/Bill Haldeman

Project Description:
 American Linen

City/State Collected:
 Please Circle: PT MT CT ET

Phone: 206-529-3980

Client Project # 443018-1413001.05.60

Lab Project # PESENVSWA-ALP

Collected by (print): Ben Hecht

Site/Facility ID #

P.O. # 443018-1413001.05.601

Collected by (signature): *Ben Hecht*

Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Date Results Needed: Standard

Immediately Packed on Ice N Y

Sample ID Comp/Grab Matrix * Depth Date Time

Analysis / Container / Preservative	
FEG,MNG 250mlHDPE-HNO3	RSK175LL 40mlAmb-HCl
SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl
V8260ULLC 40mlAmb-HCl	

Chain of Custody Page 1 of 1

Pace
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>

SDG # **U490093**
F200

Acctnum: PESENVSWA
 Template: T207753
 Prelogin: P919177
 PM: 546 - Jared Starkey
 PB:
 Shipped Via:
 Remarks Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FEG,MNG 250mlHDPE-HNO3	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl
MW-153-050222	Grab	GW		5/2/22	1325	8	X	X	X	X	X
MW-154-050222		GW		↓	1650	8	X	X	X	X	X
MW-146-050322		GW		5/3/22	11:00	8	X	X	X	X	X
MW-147-050322		GW		↓	12:35	8	X	X	X	X	X
MW-337-050322	↓	GW		↓	15:35	3				X	
		GW									
		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 #

Relinquished by: (Signature) *Ben Hecht* Date: 5-3-2022 Time: 1630

Received by: (Signature) Trip Blank Received: Yes No
 HCL / MeOH TBR

Relinquished by: (Signature) Date: Time: Received by: (Signature) Temp: DRAC Bottles Received: 1.6 + 0 = 1.6 35

Relinquished by: (Signature) Date: Time: Received for lab by: (Signature) Date: 5/4/22 Time: 930 Hold: Condition: NCF / OK

Sample Receipt Checklist
 COC Seal Present/Intact: NP Y N
 COC Signed/Accurate: N
 Bottles arrive intact: N
 Correct bottles used: N
 Sufficient volume sent: N
 If Applicable
 VOA Zero Headspace: N
 Preservation Correct/Checked: N
 RAD Screen <0.5 mR/hr: N

PES Environmental, Inc.- WA

Sample Delivery Group: L1491192
Samples Received: 05/07/2022
Project Number: 443018-1413001.05.60
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
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 www.pacenational.com

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MW-148-050522 L1491192-07	18
MW-155-050522 L1491192-08	20
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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

MW-338-050422 L1491192-01 GW

Collected by Ben Hecht
 Collected date/time 05/04/22 10:35
 Received date/time 05/07/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860918	1	05/09/22 16:36	05/09/22 16:36	ADM	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-328-050422 L1491192-02 GW

Collected by Ben Hecht
 Collected date/time 05/04/22 12:00
 Received date/time 05/07/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860918	1	05/09/22 16:55	05/09/22 16:55	ADM	Mt. Juliet, TN

MW-339-050422 L1491192-03 GW

Collected by Ben Hecht
 Collected date/time 05/04/22 12:30
 Received date/time 05/07/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860918	1	05/09/22 17:14	05/09/22 17:14	ADM	Mt. Juliet, TN

MW-341-050422 L1491192-04 GW

Collected by Ben Hecht
 Collected date/time 05/04/22 13:20
 Received date/time 05/07/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860918	1	05/09/22 17:34	05/09/22 17:34	ADM	Mt. Juliet, TN

MW-327-050422 L1491192-05 GW

Collected by Ben Hecht
 Collected date/time 05/04/22 14:10
 Received date/time 05/07/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860918	1	05/09/22 17:53	05/09/22 17:53	ADM	Mt. Juliet, TN

MW-340-050422 L1491192-06 GW

Collected by Ben Hecht
 Collected date/time 05/04/22 15:10
 Received date/time 05/07/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860918	1	05/09/22 18:12	05/09/22 18:12	ADM	Mt. Juliet, TN

MW-148-050522 L1491192-07 GW

Collected by Ben Hecht
 Collected date/time 05/05/22 10:55
 Received date/time 05/07/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1868480	5	05/25/22 09:33	05/25/22 09:33	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1868265	1	05/23/22 20:25	05/23/22 20:25	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1863227	5	05/16/22 23:14	05/17/22 14:03	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1864281	1	05/16/22 12:45	05/16/22 12:45	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860918	1	05/09/22 18:32	05/09/22 18:32	ADM	Mt. Juliet, TN

MW-155-050522 L1491192-08 GW

Collected by Ben Hecht
 Collected date/time 05/05/22 12:35
 Received date/time 05/07/22 09:30

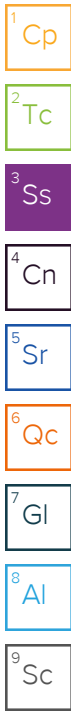
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1868480	1	05/25/22 09:49	05/25/22 09:49	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1868265	1	05/23/22 20:40	05/23/22 20:40	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1863227	1	05/16/22 23:14	05/17/22 11:24	JPD	Mt. Juliet, TN

SAMPLE SUMMARY

MW-155-050522 L1491192-08 GW

Collected by Ben Hecht Collected date/time 05/05/22 12:35 Received date/time 05/07/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method RSK175	WG1864429	1	05/16/22 15:17	05/16/22 15:17	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860918	1	05/09/22 18:51	05/09/22 18:51	ADM	Mt. Juliet, TN



FMW-129-050522 L1491192-09 GW

Collected by Ben Hecht Collected date/time 05/05/22 15:20 Received date/time 05/07/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1868480	5	05/25/22 10:05	05/25/22 10:05	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1868265	1	05/23/22 21:43	05/23/22 21:43	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1863227	1	05/16/22 23:14	05/17/22 12:26	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1863227	5	05/16/22 23:14	05/17/22 14:07	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1864429	1	05/16/22 15:24	05/16/22 15:24	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1860918	25	05/09/22 19:49	05/09/22 19:49	ADM	Mt. Juliet, TN

MW119-050522 L1491192-10 GW

Collected by Ben Hecht Collected date/time 05/05/22 16:25 Received date/time 05/07/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1868480	1	05/25/22 10:21	05/25/22 10:21	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1868265	1	05/23/22 22:03	05/23/22 22:03	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1863227	20	05/16/22 23:14	05/17/22 14:10	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1864429	1	05/16/22 15:27	05/16/22 15:27	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1864663	10	05/16/22 15:53	05/16/22 15:53	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/12/22 22:35	05/12/22 22:35	DWR	Mt. Juliet, TN

MW106-050622 L1491192-11 GW

Collected by Ben Hecht Collected date/time 05/06/22 13:30 Received date/time 05/07/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1868480	1	05/25/22 12:19	05/25/22 12:19	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1868265	1	05/23/22 23:15	05/23/22 23:15	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1863227	1	05/16/22 23:14	05/17/22 12:46	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1863227	5	05/16/22 23:14	05/17/22 14:14	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1864429	1	05/16/22 15:31	05/16/22 15:31	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/12/22 22:55	05/12/22 22:55	DWR	Mt. Juliet, TN

TB-050622 L1491192-12 GW

Collected by Ben Hecht Collected date/time 05/06/22 15:00 Received date/time 05/07/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/12/22 20:16	05/12/22 20:16	DWR	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 (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	05/09/2022 16:36	WG1860918
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 16:36	WG1860918
Benzene	U		0.0160	0.0400	1	05/09/2022 16:36	WG1860918
Bromobenzene	U		0.0420	0.500	1	05/09/2022 16:36	WG1860918
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 16:36	WG1860918
Bromoform	U		0.239	1.00	1	05/09/2022 16:36	WG1860918
Bromomethane	U		0.148	0.500	1	05/09/2022 16:36	WG1860918
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 16:36	WG1860918
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 16:36	WG1860918
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 16:36	WG1860918
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 16:36	WG1860918
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 16:36	WG1860918
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 16:36	WG1860918
Chloroethane	U		0.0432	0.200	1	05/09/2022 16:36	WG1860918
Chloroform	U		0.0166	0.100	1	05/09/2022 16:36	WG1860918
Chloromethane	U		0.0556	0.500	1	05/09/2022 16:36	WG1860918
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 16:36	WG1860918
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 16:36	WG1860918
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 16:36	WG1860918
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 16:36	WG1860918
Dibromomethane	U		0.0400	0.200	1	05/09/2022 16:36	WG1860918
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 16:36	WG1860918
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 16:36	WG1860918
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 16:36	WG1860918
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 16:36	WG1860918
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 16:36	WG1860918
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 16:36	WG1860918
1,1-Dichloroethene	U		0.0200	0.100	1	05/09/2022 16:36	WG1860918
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/09/2022 16:36	WG1860918
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 16:36	WG1860918
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 16:36	WG1860918
1,1-Dichloropropene	U		0.0280	0.100	1	05/09/2022 16:36	WG1860918
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 16:36	WG1860918
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 16:36	WG1860918
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 16:36	WG1860918
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 16:36	WG1860918
Di-isopropyl ether	U		0.0140	0.0400	1	05/09/2022 16:36	WG1860918
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 16:36	WG1860918
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 16:36	WG1860918
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 16:36	WG1860918
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 16:36	WG1860918
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 16:36	WG1860918
Methylene Chloride	U		0.265	1.00	1	05/09/2022 16:36	WG1860918
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/09/2022 16:36	WG1860918
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 16:36	WG1860918
Naphthalene	U		0.124	0.500	1	05/09/2022 16:36	WG1860918
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 16:36	WG1860918
Styrene	U		0.109	0.500	1	05/09/2022 16:36	WG1860918
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 16:36	WG1860918
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 16:36	WG1860918
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 16:36	WG1860918
Tetrachloroethene	U		0.0280	0.100	1	05/09/2022 16:36	WG1860918
Toluene	U		0.0500	0.200	1	05/09/2022 16:36	WG1860918
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 16:36	WG1860918
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 16:36	WG1860918
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 16:36	WG1860918

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/09/2022 16:36	WG1860918
Trichloroethene	U		0.0160	0.0400	1	05/09/2022 16:36	WG1860918
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 16:36	WG1860918
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 16:36	WG1860918
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 16:36	WG1860918
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 16:36	WG1860918
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 16:36	WG1860918
Vinyl chloride	U		0.0273	0.100	1	05/09/2022 16:36	WG1860918
Xylenes, Total	U		0.191	0.260	1	05/09/2022 16:36	WG1860918
Ethyl Ether	U		0.0170	0.100	1	05/09/2022 16:36	WG1860918
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 16:36	WG1860918
Iodomethane	U		0.242	0.500	1	05/09/2022 16:36	WG1860918
Allyl chloride	U		0.580	1.00	1	05/09/2022 16:36	WG1860918
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 16:36	WG1860918
(S) Toluene-d8	110			75.0-131		05/09/2022 16:36	WG1860918
(S) 4-Bromofluorobenzene	88.4			67.0-138		05/09/2022 16:36	WG1860918
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/09/2022 16:36	WG1860918

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

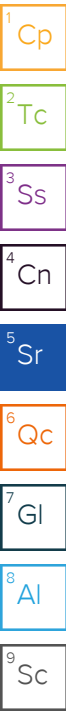
7 Gl

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	J4	0.548	1.00	1	05/09/2022 16:55	WG1860918
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 16:55	WG1860918
Benzene	7.53		0.0160	0.0400	1	05/09/2022 16:55	WG1860918
Bromobenzene	U		0.0420	0.500	1	05/09/2022 16:55	WG1860918
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 16:55	WG1860918
Bromoform	U		0.239	1.00	1	05/09/2022 16:55	WG1860918
Bromomethane	U		0.148	0.500	1	05/09/2022 16:55	WG1860918
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 16:55	WG1860918
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 16:55	WG1860918
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 16:55	WG1860918
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 16:55	WG1860918
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 16:55	WG1860918
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 16:55	WG1860918
Chloroethane	U		0.0432	0.200	1	05/09/2022 16:55	WG1860918
Chloroform	U		0.0166	0.100	1	05/09/2022 16:55	WG1860918
Chloromethane	U		0.0556	0.500	1	05/09/2022 16:55	WG1860918
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 16:55	WG1860918
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 16:55	WG1860918
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 16:55	WG1860918
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 16:55	WG1860918
Dibromomethane	U		0.0400	0.200	1	05/09/2022 16:55	WG1860918
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 16:55	WG1860918
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 16:55	WG1860918
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 16:55	WG1860918
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 16:55	WG1860918
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 16:55	WG1860918
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 16:55	WG1860918
1,1-Dichloroethene	U		0.0200	0.100	1	05/09/2022 16:55	WG1860918
cis-1,2-Dichloroethene	0.336		0.0276	0.100	1	05/09/2022 16:55	WG1860918
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 16:55	WG1860918
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 16:55	WG1860918
1,1-Dichloropropene	U		0.0280	0.100	1	05/09/2022 16:55	WG1860918
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 16:55	WG1860918
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 16:55	WG1860918
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 16:55	WG1860918
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 16:55	WG1860918
Di-isopropyl ether	0.0500		0.0140	0.0400	1	05/09/2022 16:55	WG1860918
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 16:55	WG1860918
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 16:55	WG1860918
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 16:55	WG1860918
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 16:55	WG1860918
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 16:55	WG1860918
Methylene Chloride	U		0.265	1.00	1	05/09/2022 16:55	WG1860918
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/09/2022 16:55	WG1860918
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 16:55	WG1860918
Naphthalene	U		0.124	0.500	1	05/09/2022 16:55	WG1860918
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 16:55	WG1860918
Styrene	U		0.109	0.500	1	05/09/2022 16:55	WG1860918
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 16:55	WG1860918
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 16:55	WG1860918
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 16:55	WG1860918
Tetrachloroethene	U		0.0280	0.100	1	05/09/2022 16:55	WG1860918
Toluene	U		0.0500	0.200	1	05/09/2022 16:55	WG1860918
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 16:55	WG1860918
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 16:55	WG1860918
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 16:55	WG1860918



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	05/09/2022 16:55	WG1860918
Trichloroethene	U		0.0160	0.0400	1	05/09/2022 16:55	WG1860918
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 16:55	WG1860918
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 16:55	WG1860918
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 16:55	WG1860918
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 16:55	WG1860918
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 16:55	WG1860918
Vinyl chloride	2.12		0.0273	0.100	1	05/09/2022 16:55	WG1860918
Xylenes, Total	U		0.191	0.260	1	05/09/2022 16:55	WG1860918
Ethyl Ether	U		0.0170	0.100	1	05/09/2022 16:55	WG1860918
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 16:55	WG1860918
Iodomethane	U		0.242	0.500	1	05/09/2022 16:55	WG1860918
Allyl chloride	U		0.580	1.00	1	05/09/2022 16:55	WG1860918
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 16:55	WG1860918
(S) Toluene-d8	103			75.0-131		05/09/2022 16:55	WG1860918
(S) 4-Bromofluorobenzene	89.1			67.0-138		05/09/2022 16:55	WG1860918
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/09/2022 16:55	WG1860918

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	J4	0.548	1.00	1	05/09/2022 17:14	WG1860918
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 17:14	WG1860918
Benzene	U		0.0160	0.0400	1	05/09/2022 17:14	WG1860918
Bromobenzene	U		0.0420	0.500	1	05/09/2022 17:14	WG1860918
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 17:14	WG1860918
Bromoform	U		0.239	1.00	1	05/09/2022 17:14	WG1860918
Bromomethane	U		0.148	0.500	1	05/09/2022 17:14	WG1860918
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 17:14	WG1860918
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 17:14	WG1860918
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 17:14	WG1860918
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 17:14	WG1860918
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 17:14	WG1860918
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 17:14	WG1860918
Chloroethane	U		0.0432	0.200	1	05/09/2022 17:14	WG1860918
Chloroform	U		0.0166	0.100	1	05/09/2022 17:14	WG1860918
Chloromethane	U		0.0556	0.500	1	05/09/2022 17:14	WG1860918
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 17:14	WG1860918
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 17:14	WG1860918
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 17:14	WG1860918
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 17:14	WG1860918
Dibromomethane	U		0.0400	0.200	1	05/09/2022 17:14	WG1860918
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 17:14	WG1860918
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 17:14	WG1860918
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 17:14	WG1860918
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 17:14	WG1860918
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 17:14	WG1860918
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 17:14	WG1860918
1,1-Dichloroethene	U		0.0200	0.100	1	05/09/2022 17:14	WG1860918
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/09/2022 17:14	WG1860918
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 17:14	WG1860918
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 17:14	WG1860918
1,1-Dichloropropene	U		0.0280	0.100	1	05/09/2022 17:14	WG1860918
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 17:14	WG1860918
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 17:14	WG1860918
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 17:14	WG1860918
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 17:14	WG1860918
Di-isopropyl ether	U		0.0140	0.0400	1	05/09/2022 17:14	WG1860918
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 17:14	WG1860918
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 17:14	WG1860918
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 17:14	WG1860918
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 17:14	WG1860918
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 17:14	WG1860918
Methylene Chloride	U		0.265	1.00	1	05/09/2022 17:14	WG1860918
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/09/2022 17:14	WG1860918
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 17:14	WG1860918
Naphthalene	U		0.124	0.500	1	05/09/2022 17:14	WG1860918
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 17:14	WG1860918
Styrene	U		0.109	0.500	1	05/09/2022 17:14	WG1860918
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 17:14	WG1860918
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 17:14	WG1860918
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 17:14	WG1860918
Tetrachloroethene	U		0.0280	0.100	1	05/09/2022 17:14	WG1860918
Toluene	U		0.0500	0.200	1	05/09/2022 17:14	WG1860918
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 17:14	WG1860918
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 17:14	WG1860918
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 17:14	WG1860918

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/09/2022 17:14	WG1860918
Trichloroethene	U		0.0160	0.0400	1	05/09/2022 17:14	WG1860918
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 17:14	WG1860918
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 17:14	WG1860918
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 17:14	WG1860918
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 17:14	WG1860918
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 17:14	WG1860918
Vinyl chloride	U		0.0273	0.100	1	05/09/2022 17:14	WG1860918
Xylenes, Total	U		0.191	0.260	1	05/09/2022 17:14	WG1860918
Ethyl Ether	U		0.0170	0.100	1	05/09/2022 17:14	WG1860918
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 17:14	WG1860918
Iodomethane	U		0.242	0.500	1	05/09/2022 17:14	WG1860918
Allyl chloride	U		0.580	1.00	1	05/09/2022 17:14	WG1860918
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 17:14	WG1860918
(S) Toluene-d8	103			75.0-131		05/09/2022 17:14	WG1860918
(S) 4-Bromofluorobenzene	90.1			67.0-138		05/09/2022 17:14	WG1860918
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/09/2022 17:14	WG1860918

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
Acetone	U	J4	0.548	1.00	1	05/09/2022 17:34	WG1860918
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 17:34	WG1860918
Benzene	21.3		0.0160	0.0400	1	05/09/2022 17:34	WG1860918
Bromobenzene	U		0.0420	0.500	1	05/09/2022 17:34	WG1860918
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 17:34	WG1860918
Bromoform	U		0.239	1.00	1	05/09/2022 17:34	WG1860918
Bromomethane	U		0.148	0.500	1	05/09/2022 17:34	WG1860918
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 17:34	WG1860918
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 17:34	WG1860918
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 17:34	WG1860918
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 17:34	WG1860918
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 17:34	WG1860918
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 17:34	WG1860918
Chloroethane	U		0.0432	0.200	1	05/09/2022 17:34	WG1860918
Chloroform	U		0.0166	0.100	1	05/09/2022 17:34	WG1860918
Chloromethane	U		0.0556	0.500	1	05/09/2022 17:34	WG1860918
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 17:34	WG1860918
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 17:34	WG1860918
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 17:34	WG1860918
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 17:34	WG1860918
Dibromomethane	U		0.0400	0.200	1	05/09/2022 17:34	WG1860918
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 17:34	WG1860918
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 17:34	WG1860918
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 17:34	WG1860918
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 17:34	WG1860918
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 17:34	WG1860918
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 17:34	WG1860918
1,1-Dichloroethene	0.0400	J	0.0200	0.100	1	05/09/2022 17:34	WG1860918
cis-1,2-Dichloroethene	17.0		0.0276	0.100	1	05/09/2022 17:34	WG1860918
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 17:34	WG1860918
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 17:34	WG1860918
1,1-Dichloropropene	U		0.0280	0.100	1	05/09/2022 17:34	WG1860918
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 17:34	WG1860918
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 17:34	WG1860918
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 17:34	WG1860918
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 17:34	WG1860918
Di-isopropyl ether	0.295		0.0140	0.0400	1	05/09/2022 17:34	WG1860918
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 17:34	WG1860918
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 17:34	WG1860918
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 17:34	WG1860918
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 17:34	WG1860918
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 17:34	WG1860918
Methylene Chloride	U		0.265	1.00	1	05/09/2022 17:34	WG1860918
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/09/2022 17:34	WG1860918
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 17:34	WG1860918
Naphthalene	U		0.124	0.500	1	05/09/2022 17:34	WG1860918
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 17:34	WG1860918
Styrene	U		0.109	0.500	1	05/09/2022 17:34	WG1860918
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 17:34	WG1860918
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 17:34	WG1860918
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 17:34	WG1860918
Tetrachloroethene	U		0.0280	0.100	1	05/09/2022 17:34	WG1860918
Toluene	U		0.0500	0.200	1	05/09/2022 17:34	WG1860918
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 17:34	WG1860918
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 17:34	WG1860918
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 17:34	WG1860918

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/09/2022 17:34	WG1860918
Trichloroethene	U		0.0160	0.0400	1	05/09/2022 17:34	WG1860918
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 17:34	WG1860918
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 17:34	WG1860918
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 17:34	WG1860918
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 17:34	WG1860918
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 17:34	WG1860918
Vinyl chloride	16.6		0.0273	0.100	1	05/09/2022 17:34	WG1860918
Xylenes, Total	U		0.191	0.260	1	05/09/2022 17:34	WG1860918
Ethyl Ether	0.115		0.0170	0.100	1	05/09/2022 17:34	WG1860918
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 17:34	WG1860918
Iodomethane	U		0.242	0.500	1	05/09/2022 17:34	WG1860918
Allyl chloride	U		0.580	1.00	1	05/09/2022 17:34	WG1860918
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 17:34	WG1860918
(S) Toluene-d8	104			75.0-131		05/09/2022 17:34	WG1860918
(S) 4-Bromofluorobenzene	93.6			67.0-138		05/09/2022 17:34	WG1860918
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/09/2022 17:34	WG1860918

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	J4	0.548	1.00	1	05/09/2022 17:53	WG1860918
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 17:53	WG1860918
Benzene	U		0.0160	0.0400	1	05/09/2022 17:53	WG1860918
Bromobenzene	U		0.0420	0.500	1	05/09/2022 17:53	WG1860918
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 17:53	WG1860918
Bromoform	U		0.239	1.00	1	05/09/2022 17:53	WG1860918
Bromomethane	U		0.148	0.500	1	05/09/2022 17:53	WG1860918
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 17:53	WG1860918
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 17:53	WG1860918
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 17:53	WG1860918
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 17:53	WG1860918
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 17:53	WG1860918
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 17:53	WG1860918
Chloroethane	U		0.0432	0.200	1	05/09/2022 17:53	WG1860918
Chloroform	U		0.0166	0.100	1	05/09/2022 17:53	WG1860918
Chloromethane	U		0.0556	0.500	1	05/09/2022 17:53	WG1860918
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 17:53	WG1860918
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 17:53	WG1860918
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 17:53	WG1860918
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 17:53	WG1860918
Dibromomethane	U		0.0400	0.200	1	05/09/2022 17:53	WG1860918
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 17:53	WG1860918
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 17:53	WG1860918
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 17:53	WG1860918
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 17:53	WG1860918
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 17:53	WG1860918
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 17:53	WG1860918
1,1-Dichloroethene	U		0.0200	0.100	1	05/09/2022 17:53	WG1860918
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/09/2022 17:53	WG1860918
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 17:53	WG1860918
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 17:53	WG1860918
1,1-Dichloropropene	U		0.0280	0.100	1	05/09/2022 17:53	WG1860918
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 17:53	WG1860918
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 17:53	WG1860918
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 17:53	WG1860918
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 17:53	WG1860918
Di-isopropyl ether	U		0.0140	0.0400	1	05/09/2022 17:53	WG1860918
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 17:53	WG1860918
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 17:53	WG1860918
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 17:53	WG1860918
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 17:53	WG1860918
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 17:53	WG1860918
Methylene Chloride	U		0.265	1.00	1	05/09/2022 17:53	WG1860918
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/09/2022 17:53	WG1860918
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 17:53	WG1860918
Naphthalene	U		0.124	0.500	1	05/09/2022 17:53	WG1860918
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 17:53	WG1860918
Styrene	U		0.109	0.500	1	05/09/2022 17:53	WG1860918
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 17:53	WG1860918
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 17:53	WG1860918
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 17:53	WG1860918
Tetrachloroethene	U		0.0280	0.100	1	05/09/2022 17:53	WG1860918
Toluene	U		0.0500	0.200	1	05/09/2022 17:53	WG1860918
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 17:53	WG1860918
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 17:53	WG1860918
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 17:53	WG1860918

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/09/2022 17:53	WG1860918
Trichloroethene	U		0.0160	0.0400	1	05/09/2022 17:53	WG1860918
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 17:53	WG1860918
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 17:53	WG1860918
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 17:53	WG1860918
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 17:53	WG1860918
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 17:53	WG1860918
Vinyl chloride	U		0.0273	0.100	1	05/09/2022 17:53	WG1860918
Xylenes, Total	U		0.191	0.260	1	05/09/2022 17:53	WG1860918
Ethyl Ether	U		0.0170	0.100	1	05/09/2022 17:53	WG1860918
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 17:53	WG1860918
Iodomethane	U		0.242	0.500	1	05/09/2022 17:53	WG1860918
Allyl chloride	U		0.580	1.00	1	05/09/2022 17:53	WG1860918
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 17:53	WG1860918
(S) Toluene-d8	104			75.0-131		05/09/2022 17:53	WG1860918
(S) 4-Bromofluorobenzene	92.9			67.0-138		05/09/2022 17:53	WG1860918
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/09/2022 17:53	WG1860918

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	4.01	B C5 J4	0.548	1.00	1	05/09/2022 18:12	WG1860918
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 18:12	WG1860918
Benzene	U		0.0160	0.0400	1	05/09/2022 18:12	WG1860918
Bromobenzene	U		0.0420	0.500	1	05/09/2022 18:12	WG1860918
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 18:12	WG1860918
Bromoform	U		0.239	1.00	1	05/09/2022 18:12	WG1860918
Bromomethane	U		0.148	0.500	1	05/09/2022 18:12	WG1860918
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 18:12	WG1860918
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 18:12	WG1860918
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 18:12	WG1860918
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 18:12	WG1860918
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 18:12	WG1860918
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 18:12	WG1860918
Chloroethane	U		0.0432	0.200	1	05/09/2022 18:12	WG1860918
Chloroform	0.119		0.0166	0.100	1	05/09/2022 18:12	WG1860918
Chloromethane	U		0.0556	0.500	1	05/09/2022 18:12	WG1860918
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 18:12	WG1860918
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 18:12	WG1860918
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 18:12	WG1860918
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 18:12	WG1860918
Dibromomethane	U		0.0400	0.200	1	05/09/2022 18:12	WG1860918
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 18:12	WG1860918
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 18:12	WG1860918
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 18:12	WG1860918
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 18:12	WG1860918
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 18:12	WG1860918
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 18:12	WG1860918
1,1-Dichloroethene	U		0.0200	0.100	1	05/09/2022 18:12	WG1860918
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/09/2022 18:12	WG1860918
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 18:12	WG1860918
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 18:12	WG1860918
1,1-Dichloropropene	U		0.0280	0.100	1	05/09/2022 18:12	WG1860918
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 18:12	WG1860918
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 18:12	WG1860918
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 18:12	WG1860918
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 18:12	WG1860918
Di-isopropyl ether	U		0.0140	0.0400	1	05/09/2022 18:12	WG1860918
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 18:12	WG1860918
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 18:12	WG1860918
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 18:12	WG1860918
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 18:12	WG1860918
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 18:12	WG1860918
Methylene Chloride	U		0.265	1.00	1	05/09/2022 18:12	WG1860918
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/09/2022 18:12	WG1860918
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 18:12	WG1860918
Naphthalene	U		0.124	0.500	1	05/09/2022 18:12	WG1860918
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 18:12	WG1860918
Styrene	U		0.109	0.500	1	05/09/2022 18:12	WG1860918
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 18:12	WG1860918
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 18:12	WG1860918
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 18:12	WG1860918
Tetrachloroethene	U		0.0280	0.100	1	05/09/2022 18:12	WG1860918
Toluene	0.0580	J	0.0500	0.200	1	05/09/2022 18:12	WG1860918
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 18:12	WG1860918
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 18:12	WG1860918
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 18:12	WG1860918

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/09/2022 18:12	WG1860918
Trichloroethene	U		0.0160	0.0400	1	05/09/2022 18:12	WG1860918
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 18:12	WG1860918
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 18:12	WG1860918
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 18:12	WG1860918
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 18:12	WG1860918
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 18:12	WG1860918
Vinyl chloride	U		0.0273	0.100	1	05/09/2022 18:12	WG1860918
Xylenes, Total	U		0.191	0.260	1	05/09/2022 18:12	WG1860918
Ethyl Ether	U		0.0170	0.100	1	05/09/2022 18:12	WG1860918
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 18:12	WG1860918
Iodomethane	U		0.242	0.500	1	05/09/2022 18:12	WG1860918
Allyl chloride	U		0.580	1.00	1	05/09/2022 18:12	WG1860918
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 18:12	WG1860918
(S) Toluene-d8	107			75.0-131		05/09/2022 18:12	WG1860918
(S) 4-Bromofluorobenzene	94.1			67.0-138		05/09/2022 18:12	WG1860918
(S) 1,2-Dichloroethane-d4	110			70.0-130		05/09/2022 18:12	WG1860918

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	177000		2970	25000	5	05/25/2022 09:33	WG1868480

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)	2050	<u>B</u>	102	1000	1	05/23/2022 20:25	WG1868265

Metals (ICPMS) by Method 6020B

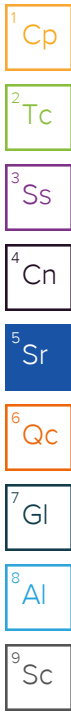
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3070		140	500	5	05/17/2022 14:03	WG1863227
Manganese	581		3.52	25.0	5	05/17/2022 14:03	WG1863227

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1250		0.287	0.678	1	05/16/2022 12:45	WG1864281
Ethane	1.66		0.296	1.29	1	05/16/2022 12:45	WG1864281
Ethene	3.69		0.422	1.27	1	05/16/2022 12:45	WG1864281

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	<u>J4</u>	0.548	1.00	1	05/09/2022 18:32	WG1860918
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 18:32	WG1860918
Benzene	0.0210	<u>J</u>	0.0160	0.0400	1	05/09/2022 18:32	WG1860918
Bromobenzene	U		0.0420	0.500	1	05/09/2022 18:32	WG1860918
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 18:32	WG1860918
Bromoform	U		0.239	1.00	1	05/09/2022 18:32	WG1860918
Bromomethane	U		0.148	0.500	1	05/09/2022 18:32	WG1860918
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 18:32	WG1860918
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 18:32	WG1860918
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 18:32	WG1860918
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 18:32	WG1860918
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 18:32	WG1860918
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 18:32	WG1860918
Chloroethane	U		0.0432	0.200	1	05/09/2022 18:32	WG1860918
Chloroform	U		0.0166	0.100	1	05/09/2022 18:32	WG1860918
Chloromethane	U		0.0556	0.500	1	05/09/2022 18:32	WG1860918
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 18:32	WG1860918
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 18:32	WG1860918
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 18:32	WG1860918
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 18:32	WG1860918
Dibromomethane	U		0.0400	0.200	1	05/09/2022 18:32	WG1860918
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 18:32	WG1860918
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 18:32	WG1860918
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 18:32	WG1860918
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 18:32	WG1860918
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 18:32	WG1860918
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 18:32	WG1860918
1,1-Dichloroethene	U		0.0200	0.100	1	05/09/2022 18:32	WG1860918
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/09/2022 18:32	WG1860918
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 18:32	WG1860918
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 18:32	WG1860918



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	05/09/2022 18:32	WG1860918
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 18:32	WG1860918
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 18:32	WG1860918
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 18:32	WG1860918
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 18:32	WG1860918
Di-isopropyl ether	U		0.0140	0.0400	1	05/09/2022 18:32	WG1860918
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 18:32	WG1860918
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 18:32	WG1860918
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 18:32	WG1860918
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 18:32	WG1860918
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 18:32	WG1860918
Methylene Chloride	U		0.265	1.00	1	05/09/2022 18:32	WG1860918
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/09/2022 18:32	WG1860918
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 18:32	WG1860918
Naphthalene	U		0.124	0.500	1	05/09/2022 18:32	WG1860918
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 18:32	WG1860918
Styrene	U		0.109	0.500	1	05/09/2022 18:32	WG1860918
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 18:32	WG1860918
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 18:32	WG1860918
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 18:32	WG1860918
Tetrachloroethene	U		0.0280	0.100	1	05/09/2022 18:32	WG1860918
Toluene	0.184	J	0.0500	0.200	1	05/09/2022 18:32	WG1860918
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 18:32	WG1860918
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 18:32	WG1860918
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 18:32	WG1860918
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/09/2022 18:32	WG1860918
Trichloroethene	U		0.0160	0.0400	1	05/09/2022 18:32	WG1860918
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 18:32	WG1860918
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 18:32	WG1860918
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 18:32	WG1860918
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 18:32	WG1860918
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 18:32	WG1860918
Vinyl chloride	0.792		0.0273	0.100	1	05/09/2022 18:32	WG1860918
Xylenes, Total	U		0.191	0.260	1	05/09/2022 18:32	WG1860918
Ethyl Ether	U		0.0170	0.100	1	05/09/2022 18:32	WG1860918
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 18:32	WG1860918
Iodomethane	U		0.242	0.500	1	05/09/2022 18:32	WG1860918
Allyl chloride	U		0.580	1.00	1	05/09/2022 18:32	WG1860918
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 18:32	WG1860918
(S) Toluene-d8	103			75.0-131		05/09/2022 18:32	WG1860918
(S) 4-Bromofluorobenzene	93.8			67.0-138		05/09/2022 18:32	WG1860918
(S) 1,2-Dichloroethane-d4	110			70.0-130		05/09/2022 18:32	WG1860918

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	84800		594	5000	1	05/25/2022 09:49	WG1868480

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)	1790	<u>B</u>	102	1000	1	05/23/2022 20:40	WG1868265

Metals (ICPMS) by Method 6020B

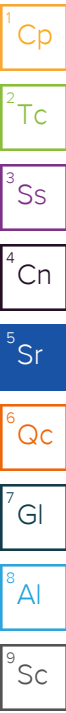
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	31.2	<u>J</u>	28.1	100	1	05/17/2022 11:24	WG1863227
Manganese	84.2	<u>J5 O1</u>	0.704	5.00	1	05/17/2022 11:24	WG1863227

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	26.8		0.287	0.678	1	05/16/2022 15:17	WG1864429
Ethane	U		0.296	1.29	1	05/16/2022 15:17	WG1864429
Ethene	U		0.422	1.27	1	05/16/2022 15:17	WG1864429

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	<u>J4</u>	0.548	1.00	1	05/09/2022 18:51	WG1860918
Acrylonitrile	U		0.0760	0.500	1	05/09/2022 18:51	WG1860918
Benzene	U		0.0160	0.0400	1	05/09/2022 18:51	WG1860918
Bromobenzene	U		0.0420	0.500	1	05/09/2022 18:51	WG1860918
Bromodichloromethane	U		0.0315	0.100	1	05/09/2022 18:51	WG1860918
Bromoform	U		0.239	1.00	1	05/09/2022 18:51	WG1860918
Bromomethane	U		0.148	0.500	1	05/09/2022 18:51	WG1860918
n-Butylbenzene	U		0.153	0.500	1	05/09/2022 18:51	WG1860918
sec-Butylbenzene	U		0.101	0.500	1	05/09/2022 18:51	WG1860918
tert-Butylbenzene	U		0.0620	0.200	1	05/09/2022 18:51	WG1860918
Carbon tetrachloride	U		0.0432	0.200	1	05/09/2022 18:51	WG1860918
Chlorobenzene	U		0.0229	0.100	1	05/09/2022 18:51	WG1860918
Chlorodibromomethane	U		0.0180	0.100	1	05/09/2022 18:51	WG1860918
Chloroethane	U		0.0432	0.200	1	05/09/2022 18:51	WG1860918
Chloroform	U		0.0166	0.100	1	05/09/2022 18:51	WG1860918
Chloromethane	U		0.0556	0.500	1	05/09/2022 18:51	WG1860918
2-Chlorotoluene	U		0.0368	0.100	1	05/09/2022 18:51	WG1860918
4-Chlorotoluene	U		0.0452	0.200	1	05/09/2022 18:51	WG1860918
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/09/2022 18:51	WG1860918
1,2-Dibromoethane	U		0.0210	0.100	1	05/09/2022 18:51	WG1860918
Dibromomethane	U		0.0400	0.200	1	05/09/2022 18:51	WG1860918
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/09/2022 18:51	WG1860918
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/09/2022 18:51	WG1860918
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/09/2022 18:51	WG1860918
Dichlorodifluoromethane	U		0.0327	0.100	1	05/09/2022 18:51	WG1860918
1,1-Dichloroethane	U		0.0230	0.100	1	05/09/2022 18:51	WG1860918
1,2-Dichloroethane	U		0.0190	0.100	1	05/09/2022 18:51	WG1860918
1,1-Dichloroethene	0.0480	<u>J</u>	0.0200	0.100	1	05/09/2022 18:51	WG1860918
cis-1,2-Dichloroethene	18.3		0.0276	0.100	1	05/09/2022 18:51	WG1860918
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/09/2022 18:51	WG1860918
1,2-Dichloropropane	U		0.0508	0.200	1	05/09/2022 18:51	WG1860918



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	05/09/2022 18:51	WG1860918
1,3-Dichloropropane	U		0.0700	0.200	1	05/09/2022 18:51	WG1860918
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/09/2022 18:51	WG1860918
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/09/2022 18:51	WG1860918
2,2-Dichloropropane	U		0.0317	0.100	1	05/09/2022 18:51	WG1860918
Di-isopropyl ether	U		0.0140	0.0400	1	05/09/2022 18:51	WG1860918
Ethylbenzene	U		0.0212	0.100	1	05/09/2022 18:51	WG1860918
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/09/2022 18:51	WG1860918
Isopropylbenzene	U		0.0345	0.100	1	05/09/2022 18:51	WG1860918
p-Isopropyltoluene	U		0.0932	0.200	1	05/09/2022 18:51	WG1860918
2-Butanone (MEK)	U		0.500	1.00	1	05/09/2022 18:51	WG1860918
Methylene Chloride	U		0.265	1.00	1	05/09/2022 18:51	WG1860918
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/09/2022 18:51	WG1860918
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/09/2022 18:51	WG1860918
Naphthalene	U		0.124	0.500	1	05/09/2022 18:51	WG1860918
n-Propylbenzene	U		0.0472	0.200	1	05/09/2022 18:51	WG1860918
Styrene	U		0.109	0.500	1	05/09/2022 18:51	WG1860918
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/09/2022 18:51	WG1860918
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/09/2022 18:51	WG1860918
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/09/2022 18:51	WG1860918
Tetrachloroethene	27.6	C5	0.0280	0.100	1	05/09/2022 18:51	WG1860918
Toluene	U		0.0500	0.200	1	05/09/2022 18:51	WG1860918
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/09/2022 18:51	WG1860918
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/09/2022 18:51	WG1860918
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/09/2022 18:51	WG1860918
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/09/2022 18:51	WG1860918
Trichloroethene	5.14		0.0160	0.0400	1	05/09/2022 18:51	WG1860918
Trichlorofluoromethane	U		0.0200	0.100	1	05/09/2022 18:51	WG1860918
1,2,3-Trichloropropane	U		0.204	0.500	1	05/09/2022 18:51	WG1860918
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/09/2022 18:51	WG1860918
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/09/2022 18:51	WG1860918
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/09/2022 18:51	WG1860918
Vinyl chloride	U		0.0273	0.100	1	05/09/2022 18:51	WG1860918
Xylenes, Total	U		0.191	0.260	1	05/09/2022 18:51	WG1860918
Ethyl Ether	U		0.0170	0.100	1	05/09/2022 18:51	WG1860918
Tetrahydrofuran	U		0.0900	0.500	1	05/09/2022 18:51	WG1860918
Iodomethane	U		0.242	0.500	1	05/09/2022 18:51	WG1860918
Allyl chloride	U		0.580	1.00	1	05/09/2022 18:51	WG1860918
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/09/2022 18:51	WG1860918
(S) Toluene-d8	103			75.0-131		05/09/2022 18:51	WG1860918
(S) 4-Bromofluorobenzene	93.2			67.0-138		05/09/2022 18:51	WG1860918
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/09/2022 18:51	WG1860918

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	140000		2970	25000	5	05/25/2022 10:05	WG1868480

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)	2230	<u>B</u>	102	1000	1	05/23/2022 21:43	WG1868265

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	924		28.1	100	1	05/17/2022 12:26	WG1863227
Manganese	455		3.52	25.0	5	05/17/2022 14:07	WG1863227

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	481		0.287	0.678	1	05/16/2022 15:24	WG1864429
Ethane	20.0		0.296	1.29	1	05/16/2022 15:24	WG1864429
Ethene	U		0.422	1.27	1	05/16/2022 15:24	WG1864429

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	<u>J4</u>	13.7	25.0	25	05/09/2022 19:49	WG1860918
Acrylonitrile	U		1.90	12.5	25	05/09/2022 19:49	WG1860918
Benzene	U		0.400	1.00	25	05/09/2022 19:49	WG1860918
Bromobenzene	U		1.05	12.5	25	05/09/2022 19:49	WG1860918
Bromodichloromethane	U		0.788	2.50	25	05/09/2022 19:49	WG1860918
Bromoform	U		5.98	25.0	25	05/09/2022 19:49	WG1860918
Bromomethane	U		3.70	12.5	25	05/09/2022 19:49	WG1860918
n-Butylbenzene	U		3.83	12.5	25	05/09/2022 19:49	WG1860918
sec-Butylbenzene	U		2.53	12.5	25	05/09/2022 19:49	WG1860918
tert-Butylbenzene	U		1.55	5.00	25	05/09/2022 19:49	WG1860918
Carbon tetrachloride	U		1.08	5.00	25	05/09/2022 19:49	WG1860918
Chlorobenzene	U		0.573	2.50	25	05/09/2022 19:49	WG1860918
Chlorodibromomethane	U		0.450	2.50	25	05/09/2022 19:49	WG1860918
Chloroethane	U		1.08	5.00	25	05/09/2022 19:49	WG1860918
Chloroform	U		0.415	2.50	25	05/09/2022 19:49	WG1860918
Chloromethane	U		1.39	12.5	25	05/09/2022 19:49	WG1860918
2-Chlorotoluene	U		0.920	2.50	25	05/09/2022 19:49	WG1860918
4-Chlorotoluene	U		1.13	5.00	25	05/09/2022 19:49	WG1860918
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	05/09/2022 19:49	WG1860918
1,2-Dibromoethane	U		0.525	2.50	25	05/09/2022 19:49	WG1860918
Dibromomethane	U		1.00	5.00	25	05/09/2022 19:49	WG1860918
1,2-Dichlorobenzene	U		1.45	5.00	25	05/09/2022 19:49	WG1860918
1,3-Dichlorobenzene	U		1.70	5.00	25	05/09/2022 19:49	WG1860918
1,4-Dichlorobenzene	U		1.97	5.00	25	05/09/2022 19:49	WG1860918
Dichlorodifluoromethane	U		0.818	2.50	25	05/09/2022 19:49	WG1860918
1,1-Dichloroethane	U		0.575	2.50	25	05/09/2022 19:49	WG1860918
1,2-Dichloroethane	U		0.475	2.50	25	05/09/2022 19:49	WG1860918
1,1-Dichloroethene	3.05		0.500	2.50	25	05/09/2022 19:49	WG1860918
cis-1,2-Dichloroethene	940		0.690	2.50	25	05/09/2022 19:49	WG1860918
trans-1,2-Dichloroethene	1.63	<u>J</u>	1.43	5.00	25	05/09/2022 19:49	WG1860918
1,2-Dichloropropane	U		1.27	5.00	25	05/09/2022 19:49	WG1860918

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
1,1-Dichloropropene	U		0.700	2.50	25	05/09/2022 19:49	WG1860918
1,3-Dichloropropane	U		1.75	5.00	25	05/09/2022 19:49	WG1860918
cis-1,3-Dichloropropene	U		0.678	2.50	25	05/09/2022 19:49	WG1860918
trans-1,3-Dichloropropene	U		1.53	5.00	25	05/09/2022 19:49	WG1860918
2,2-Dichloropropane	U		0.793	2.50	25	05/09/2022 19:49	WG1860918
Di-isopropyl ether	U		0.350	1.00	25	05/09/2022 19:49	WG1860918
Ethylbenzene	U		0.530	2.50	25	05/09/2022 19:49	WG1860918
Hexachloro-1,3-butadiene	U		12.7	25.0	25	05/09/2022 19:49	WG1860918
Isopropylbenzene	U		0.863	2.50	25	05/09/2022 19:49	WG1860918
p-Isopropyltoluene	U		2.33	5.00	25	05/09/2022 19:49	WG1860918
2-Butanone (MEK)	U		12.5	25.0	25	05/09/2022 19:49	WG1860918
Methylene Chloride	U		6.63	25.0	25	05/09/2022 19:49	WG1860918
4-Methyl-2-pentanone (MIBK)	U	J4	10.0	25.0	25	05/09/2022 19:49	WG1860918
Methyl tert-butyl ether	U		0.295	1.00	25	05/09/2022 19:49	WG1860918
Naphthalene	U		3.10	12.5	25	05/09/2022 19:49	WG1860918
n-Propylbenzene	U		1.18	5.00	25	05/09/2022 19:49	WG1860918
Styrene	U		2.73	12.5	25	05/09/2022 19:49	WG1860918
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	05/09/2022 19:49	WG1860918
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	05/09/2022 19:49	WG1860918
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	05/09/2022 19:49	WG1860918
Tetrachloroethene	197	C5	0.700	2.50	25	05/09/2022 19:49	WG1860918
Toluene	U		1.25	5.00	25	05/09/2022 19:49	WG1860918
1,2,3-Trichlorobenzene	U		0.625	12.5	25	05/09/2022 19:49	WG1860918
1,2,4-Trichlorobenzene	U		4.83	12.5	25	05/09/2022 19:49	WG1860918
1,1,1-Trichloroethane	U		0.275	2.50	25	05/09/2022 19:49	WG1860918
1,1,2-Trichloroethane	U		0.883	2.50	25	05/09/2022 19:49	WG1860918
Trichloroethene	286		0.400	1.00	25	05/09/2022 19:49	WG1860918
Trichlorofluoromethane	U		0.500	2.50	25	05/09/2022 19:49	WG1860918
1,2,3-Trichloropropane	U		5.10	12.5	25	05/09/2022 19:49	WG1860918
1,2,4-Trimethylbenzene	U		1.16	5.00	25	05/09/2022 19:49	WG1860918
1,2,3-Trimethylbenzene	U		1.15	5.00	25	05/09/2022 19:49	WG1860918
1,3,5-Trimethylbenzene	U		1.08	5.00	25	05/09/2022 19:49	WG1860918
Vinyl chloride	U		0.682	2.50	25	05/09/2022 19:49	WG1860918
Xylenes, Total	U		4.78	6.50	25	05/09/2022 19:49	WG1860918
Ethyl Ether	U		0.425	2.50	25	05/09/2022 19:49	WG1860918
Tetrahydrofuran	U		2.25	12.5	25	05/09/2022 19:49	WG1860918
Iodomethane	U		6.05	12.5	25	05/09/2022 19:49	WG1860918
Allyl chloride	U		14.5	25.0	25	05/09/2022 19:49	WG1860918
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	05/09/2022 19:49	WG1860918
(S) Toluene-d8	104			75.0-131		05/09/2022 19:49	WG1860918
(S) 4-Bromofluorobenzene	93.3			67.0-138		05/09/2022 19:49	WG1860918
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/09/2022 19:49	WG1860918

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	7730		594	5000	1	05/25/2022 10:21	WG1868480

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)	6190		102	1000	1	05/23/2022 22:03	WG1868265

Metals (ICPMS) by Method 6020B

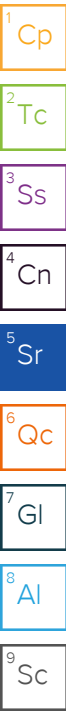
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	14700		562	2000	20	05/17/2022 14:10	WG1863227
Manganese	3620		14.1	100	20	05/17/2022 14:10	WG1863227

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	7820		2.87	6.78	10	05/16/2022 15:53	WG1864663
Ethane	U		0.296	1.29	1	05/16/2022 15:27	WG1864429
Ethene	U		0.422	1.27	1	05/16/2022 15:27	WG1864429

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	5.55	C5 J4	0.548	1.00	1	05/12/2022 22:35	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/12/2022 22:35	WG1862853
Benzene	U		0.0160	0.0400	1	05/12/2022 22:35	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/12/2022 22:35	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/12/2022 22:35	WG1862853
Bromoform	U		0.239	1.00	1	05/12/2022 22:35	WG1862853
Bromomethane	U		0.148	0.500	1	05/12/2022 22:35	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/12/2022 22:35	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/12/2022 22:35	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/12/2022 22:35	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/12/2022 22:35	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/12/2022 22:35	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/12/2022 22:35	WG1862853
Chloroethane	U		0.0432	0.200	1	05/12/2022 22:35	WG1862853
Chloroform	U		0.0166	0.100	1	05/12/2022 22:35	WG1862853
Chloromethane	U		0.0556	0.500	1	05/12/2022 22:35	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/12/2022 22:35	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/12/2022 22:35	WG1862853
1,2-Dibromo-3-Chloropropane	U	J3	0.204	1.00	1	05/12/2022 22:35	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/12/2022 22:35	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/12/2022 22:35	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/12/2022 22:35	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/12/2022 22:35	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/12/2022 22:35	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/12/2022 22:35	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/12/2022 22:35	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/12/2022 22:35	WG1862853
1,1-Dichloroethene	U		0.0200	0.100	1	05/12/2022 22:35	WG1862853
cis-1,2-Dichloroethene	5.16		0.0276	0.100	1	05/12/2022 22:35	WG1862853
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/12/2022 22:35	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/12/2022 22:35	WG1862853



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	05/12/2022 22:35	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/12/2022 22:35	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/12/2022 22:35	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/12/2022 22:35	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/12/2022 22:35	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/12/2022 22:35	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/12/2022 22:35	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/12/2022 22:35	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/12/2022 22:35	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/12/2022 22:35	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/12/2022 22:35	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/12/2022 22:35	WG1862853
4-Methyl-2-pentanone (MIBK)	U	<u>J4</u>	0.400	1.00	1	05/12/2022 22:35	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/12/2022 22:35	WG1862853
Naphthalene	U	<u>C3</u>	0.124	0.500	1	05/12/2022 22:35	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/12/2022 22:35	WG1862853
Styrene	U		0.109	0.500	1	05/12/2022 22:35	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/12/2022 22:35	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/12/2022 22:35	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/12/2022 22:35	WG1862853
Tetrachloroethene	0.200	<u>C5</u>	0.0280	0.100	1	05/12/2022 22:35	WG1862853
Toluene	U		0.0500	0.200	1	05/12/2022 22:35	WG1862853
1,2,3-Trichlorobenzene	U	<u>C3</u>	0.0250	0.500	1	05/12/2022 22:35	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/12/2022 22:35	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/12/2022 22:35	WG1862853
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/12/2022 22:35	WG1862853
Trichloroethene	0.866		0.0160	0.0400	1	05/12/2022 22:35	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/12/2022 22:35	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/12/2022 22:35	WG1862853
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/12/2022 22:35	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/12/2022 22:35	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/12/2022 22:35	WG1862853
Vinyl chloride	U		0.0273	0.100	1	05/12/2022 22:35	WG1862853
Xylenes, Total	U		0.191	0.260	1	05/12/2022 22:35	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/12/2022 22:35	WG1862853
Tetrahydrofuran	U	<u>J4</u>	0.0900	0.500	1	05/12/2022 22:35	WG1862853
Iodomethane	U		0.242	0.500	1	05/12/2022 22:35	WG1862853
Allyl chloride	U		0.580	1.00	1	05/12/2022 22:35	WG1862853
Trans-1,4-Dichloro-2-butene	U	<u>J3</u>	0.0560	0.200	1	05/12/2022 22:35	WG1862853
(S) Toluene-d8	103			75.0-131		05/12/2022 22:35	WG1862853
(S) 4-Bromofluorobenzene	98.6			67.0-138		05/12/2022 22:35	WG1862853
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/12/2022 22:35	WG1862853

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	14600		594	5000	1	05/25/2022 12:19	WG1868480

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)	1270	<u>B</u>	102	1000	1	05/23/2022 23:15	WG1868265

Metals (ICPMS) by Method 6020B

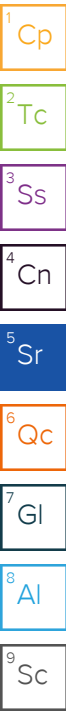
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1510		28.1	100	1	05/17/2022 12:46	WG1863227
Manganese	678		3.52	25.0	5	05/17/2022 14:14	WG1863227

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	59.6		0.287	0.678	1	05/16/2022 15:31	WG1864429
Ethane	U		0.296	1.29	1	05/16/2022 15:31	WG1864429
Ethene	U		0.422	1.27	1	05/16/2022 15:31	WG1864429

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	5.08	<u>C5 J4</u>	0.548	1.00	1	05/12/2022 22:55	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/12/2022 22:55	WG1862853
Benzene	U		0.0160	0.0400	1	05/12/2022 22:55	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/12/2022 22:55	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/12/2022 22:55	WG1862853
Bromoform	U		0.239	1.00	1	05/12/2022 22:55	WG1862853
Bromomethane	U		0.148	0.500	1	05/12/2022 22:55	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/12/2022 22:55	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/12/2022 22:55	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/12/2022 22:55	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/12/2022 22:55	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/12/2022 22:55	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/12/2022 22:55	WG1862853
Chloroethane	U		0.0432	0.200	1	05/12/2022 22:55	WG1862853
Chloroform	U		0.0166	0.100	1	05/12/2022 22:55	WG1862853
Chloromethane	U		0.0556	0.500	1	05/12/2022 22:55	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/12/2022 22:55	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/12/2022 22:55	WG1862853
1,2-Dibromo-3-Chloropropane	U	<u>J3</u>	0.204	1.00	1	05/12/2022 22:55	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/12/2022 22:55	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/12/2022 22:55	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/12/2022 22:55	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/12/2022 22:55	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/12/2022 22:55	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/12/2022 22:55	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/12/2022 22:55	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/12/2022 22:55	WG1862853
1,1-Dichloroethene	U		0.0200	0.100	1	05/12/2022 22:55	WG1862853
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/12/2022 22:55	WG1862853
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/12/2022 22:55	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/12/2022 22:55	WG1862853



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	05/12/2022 22:55	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/12/2022 22:55	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/12/2022 22:55	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/12/2022 22:55	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/12/2022 22:55	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/12/2022 22:55	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/12/2022 22:55	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/12/2022 22:55	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/12/2022 22:55	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/12/2022 22:55	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/12/2022 22:55	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/12/2022 22:55	WG1862853
4-Methyl-2-pentanone (MIBK)	U	<u>J4</u>	0.400	1.00	1	05/12/2022 22:55	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/12/2022 22:55	WG1862853
Naphthalene	U	<u>C3</u>	0.124	0.500	1	05/12/2022 22:55	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/12/2022 22:55	WG1862853
Styrene	U		0.109	0.500	1	05/12/2022 22:55	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/12/2022 22:55	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/12/2022 22:55	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/12/2022 22:55	WG1862853
Tetrachloroethene	U		0.0280	0.100	1	05/12/2022 22:55	WG1862853
Toluene	U		0.0500	0.200	1	05/12/2022 22:55	WG1862853
1,2,3-Trichlorobenzene	U	<u>C3</u>	0.0250	0.500	1	05/12/2022 22:55	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/12/2022 22:55	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/12/2022 22:55	WG1862853
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/12/2022 22:55	WG1862853
Trichloroethene	U		0.0160	0.0400	1	05/12/2022 22:55	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/12/2022 22:55	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/12/2022 22:55	WG1862853
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/12/2022 22:55	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/12/2022 22:55	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/12/2022 22:55	WG1862853
Vinyl chloride	U		0.0273	0.100	1	05/12/2022 22:55	WG1862853
Xylenes, Total	U		0.191	0.260	1	05/12/2022 22:55	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/12/2022 22:55	WG1862853
Tetrahydrofuran	U	<u>J4</u>	0.0900	0.500	1	05/12/2022 22:55	WG1862853
Iodomethane	U		0.242	0.500	1	05/12/2022 22:55	WG1862853
Allyl chloride	U		0.580	1.00	1	05/12/2022 22:55	WG1862853
Trans-1,4-Dichloro-2-butene	U	<u>J3</u>	0.0560	0.200	1	05/12/2022 22:55	WG1862853
(S) Toluene-d8	106			75.0-131		05/12/2022 22:55	WG1862853
(S) 4-Bromofluorobenzene	94.7			67.0-138		05/12/2022 22:55	WG1862853
(S) 1,2-Dichloroethane-d4	114			70.0-130		05/12/2022 22:55	WG1862853

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	J4	0.548	1.00	1	05/12/2022 20:16	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/12/2022 20:16	WG1862853
Benzene	U		0.0160	0.0400	1	05/12/2022 20:16	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/12/2022 20:16	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/12/2022 20:16	WG1862853
Bromoform	U		0.239	1.00	1	05/12/2022 20:16	WG1862853
Bromomethane	U		0.148	0.500	1	05/12/2022 20:16	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/12/2022 20:16	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/12/2022 20:16	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/12/2022 20:16	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/12/2022 20:16	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/12/2022 20:16	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/12/2022 20:16	WG1862853
Chloroethane	U		0.0432	0.200	1	05/12/2022 20:16	WG1862853
Chloroform	U		0.0166	0.100	1	05/12/2022 20:16	WG1862853
Chloromethane	U		0.0556	0.500	1	05/12/2022 20:16	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/12/2022 20:16	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/12/2022 20:16	WG1862853
1,2-Dibromo-3-Chloropropane	U	J3	0.204	1.00	1	05/12/2022 20:16	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/12/2022 20:16	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/12/2022 20:16	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/12/2022 20:16	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/12/2022 20:16	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/12/2022 20:16	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/12/2022 20:16	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/12/2022 20:16	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/12/2022 20:16	WG1862853
1,1-Dichloroethene	U		0.0200	0.100	1	05/12/2022 20:16	WG1862853
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/12/2022 20:16	WG1862853
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/12/2022 20:16	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/12/2022 20:16	WG1862853
1,1-Dichloropropene	U		0.0280	0.100	1	05/12/2022 20:16	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/12/2022 20:16	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/12/2022 20:16	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/12/2022 20:16	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/12/2022 20:16	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/12/2022 20:16	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/12/2022 20:16	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/12/2022 20:16	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/12/2022 20:16	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/12/2022 20:16	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/12/2022 20:16	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/12/2022 20:16	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/12/2022 20:16	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/12/2022 20:16	WG1862853
Naphthalene	U	C3	0.124	0.500	1	05/12/2022 20:16	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/12/2022 20:16	WG1862853
Styrene	U		0.109	0.500	1	05/12/2022 20:16	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/12/2022 20:16	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/12/2022 20:16	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/12/2022 20:16	WG1862853
Tetrachloroethene	U		0.0280	0.100	1	05/12/2022 20:16	WG1862853
Toluene	U		0.0500	0.200	1	05/12/2022 20:16	WG1862853
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/12/2022 20:16	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/12/2022 20:16	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/12/2022 20:16	WG1862853

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/12/2022 20:16	WG1862853
Trichloroethene	U		0.0160	0.0400	1	05/12/2022 20:16	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/12/2022 20:16	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/12/2022 20:16	WG1862853
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/12/2022 20:16	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/12/2022 20:16	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/12/2022 20:16	WG1862853
Vinyl chloride	U		0.0273	0.100	1	05/12/2022 20:16	WG1862853
Xylenes, Total	U		0.191	0.260	1	05/12/2022 20:16	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/12/2022 20:16	WG1862853
Tetrahydrofuran	U	<u>J4</u>	0.0900	0.500	1	05/12/2022 20:16	WG1862853
Iodomethane	U		0.242	0.500	1	05/12/2022 20:16	WG1862853
Allyl chloride	U		0.580	1.00	1	05/12/2022 20:16	WG1862853
Trans-1,4-Dichloro-2-butene	U	<u>J3</u>	0.0560	0.200	1	05/12/2022 20:16	WG1862853
(S) Toluene-d8	103			75.0-131		05/12/2022 20:16	WG1862853
(S) 4-Bromofluorobenzene	94.2			67.0-138		05/12/2022 20:16	WG1862853
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/12/2022 20:16	WG1862853

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3795803-1 05/25/22 00:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1490907-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1490907-06 05/25/22 06:54 • (DUP) R3795803-5 05/25/22 07:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	99700	99600	1	0.103		15

L1491192-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1491192-11 05/25/22 12:19 • (DUP) R3795803-6 05/25/22 12:34

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	14600	14500	1	0.209		15

Laboratory Control Sample (LCS)

(LCS) R3795803-2 05/25/22 01:01

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	41200	103	80.0-120	

L1490875-21 Original Sample (OS) • Matrix Spike (MS)

(OS) L1490875-21 05/25/22 03:59 • (MS) R3795803-4 05/25/22 04:15

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	61500	111000	100	1	80.0-120	E

L1491192-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1491192-11 05/25/22 12:19 • (MS) R3795803-7 05/25/22 12:50 • (MSD) R3795803-8 05/25/22 13:06

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	14600	61200	60800	93.3	92.6	1	80.0-120			0.603	15

Method Blank (MB)

(MB) R3795300-2 05/23/22 19:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	500	↓	102	1000

1 Cp

2 Tc

3 Ss

L1491192-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1491192-10 05/23/22 22:03 • (DUP) R3795300-5 05/23/22 22:21

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	6190	6270	1	1.35		20

4 Cn

5 Sr

L1491197-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1491197-01 05/23/22 23:31 • (DUP) R3795300-6 05/23/22 23:47

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	2880	3290	1	13.2		20

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R3795300-1 05/23/22 19:04

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	74600	99.4	85.0-115	

9 Sc

L1491192-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1491192-08 05/23/22 20:40 • (MS) R3795300-3 05/23/22 21:04 • (MSD) R3795300-4 05/23/22 21:24

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	1790	51300	51600	99.1	99.5	1	80.0-120			0.428	20

L1491379-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1491379-05 05/24/22 00:45 • (MS) R3795300-7 05/24/22 01:10 • (MSD) R3795300-8 05/24/22 01:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	790	50100	50400	98.6	99.3	1	80.0-120			0.657	20

Method Blank (MB)

(MB) R3792712-1 05/17/22 11:17

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3792712-2 05/17/22 11:21

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	4800	96.1	80.0-120	
Manganese	50.0	48.9	97.8	80.0-120	

L1491192-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1491192-08 05/17/22 11:24 • (MS) R3792712-4 05/17/22 11:31 • (MSD) R3792712-5 05/17/22 11:34

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	31.2	4860	5550	96.6	110	1	75.0-125			13.3	20
Manganese	50.0	84.2	134	149	99.1	129	1	75.0-125	J5		10.5	20

Method Blank (MB)

(MB) R3792233-2 05/16/22 11:34

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

L1490895-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1490895-04 05/16/22 11:49 • (DUP) R3792233-3 05/16/22 12:07

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

L1491142-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1491142-11 05/16/22 12:48 • (DUP) R3792233-4 05/16/22 12:51

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	438	432	1	1.38		20
Ethane	10.3	10.3	1	0.000		20
Ethene	U	U	1	0.000		20

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

(LCS) R3792233-1 05/16/22 11:30 • (LCSD) R3792233-5 05/16/22 12:54

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	70.7	71.5	104	105	85.0-115			1.13	20
Ethane	129	117	115	90.7	89.1	85.0-115			1.72	20
Ethene	127	118	116	92.9	91.3	85.0-115			1.71	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3792351-2 05/16/22 15:09

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

L1491971-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1491971-02 05/16/22 15:38 • (DUP) R3792351-3 05/16/22 15:41

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
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) R3792351-1 05/16/22 15:04 • (LCSD) R3792351-4 05/16/22 15:45

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	72.1	71.6	106	106	85.0-115			0.696	20
Ethane	129	117	113	90.7	87.6	85.0-115			3.48	20
Ethene	127	118	115	92.9	90.6	85.0-115			2.58	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3792358-2 05/16/22 15:09

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

1 Cp

2 Tc

3 Ss

L1491192-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1491192-10 05/16/22 15:53 • (DUP) R3792358-3 05/16/22 15:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	7820	7770	10	0.641		20

4 Cn

5 Sr

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

(LCS) R3792358-1 05/16/22 15:04 • (LCSD) R3792358-4 05/16/22 16:01

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Methane	67.8	72.1	73.5	106	108	85.0-115			1.92	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3789649-2 05/09/22 11:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	3.38		0.548	1.00
Acrylonitrile	U		0.0760	0.500
Benzene	U		0.0160	0.0400
Bromobenzene	U		0.0420	0.500
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3789649-2 05/09/22 11:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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	0.0510	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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	102			75.0-131
(S) 4-Bromofluorobenzene	96.6			67.0-138
(S) 1,2-Dichloroethane-d4	110			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3789649-1 05/09/22 10:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	50.5	202	10.0-160	J4
Acrylonitrile	25.0	35.1	140	45.0-153	
Benzene	5.00	4.81	96.2	70.0-123	
Bromobenzene	5.00	6.01	120	73.0-121	
Bromodichloromethane	5.00	5.32	106	73.0-121	
Bromoform	5.00	6.14	123	64.0-132	
Bromomethane	5.00	6.03	121	56.0-147	
n-Butylbenzene	5.00	5.07	101	68.0-135	
sec-Butylbenzene	5.00	4.92	98.4	74.0-130	
tert-Butylbenzene	5.00	4.97	99.4	75.0-127	
Carbon tetrachloride	5.00	5.20	104	66.0-128	
Chlorobenzene	5.00	5.76	115	76.0-128	
Chlorodibromomethane	5.00	5.97	119	74.0-127	
Chloroethane	5.00	4.76	95.2	61.0-134	
Chloroform	5.00	5.40	108	72.0-123	
Chloromethane	5.00	5.61	112	51.0-138	
2-Chlorotoluene	5.00	5.62	112	75.0-124	
4-Chlorotoluene	5.00	5.52	110	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.85	97.0	59.0-130	
1,2-Dibromoethane	5.00	5.82	116	74.0-128	
Dibromomethane	5.00	5.29	106	75.0-122	
1,2-Dichlorobenzene	5.00	5.92	118	76.0-124	
1,3-Dichlorobenzene	5.00	6.16	123	76.0-125	
1,4-Dichlorobenzene	5.00	5.58	112	77.0-121	
Dichlorodifluoromethane	5.00	5.03	101	43.0-156	
1,1-Dichloroethane	5.00	5.05	101	70.0-127	
1,2-Dichloroethane	5.00	5.55	111	65.0-131	
1,1-Dichloroethene	5.00	5.46	109	65.0-131	
cis-1,2-Dichloroethene	5.00	5.41	108	73.0-125	
trans-1,2-Dichloroethene	5.00	5.33	107	71.0-125	
1,2-Dichloropropane	5.00	4.85	97.0	74.0-125	
1,1-Dichloropropene	5.00	5.24	105	73.0-125	
1,3-Dichloropropane	5.00	5.62	112	80.0-125	
cis-1,3-Dichloropropene	5.00	4.99	99.8	76.0-127	
trans-1,3-Dichloropropene	5.00	5.12	102	73.0-127	
2,2-Dichloropropane	5.00	5.50	110	59.0-135	
Di-isopropyl ether	5.00	5.92	118	60.0-136	
Ethylbenzene	5.00	5.99	120	74.0-126	
Hexachloro-1,3-butadiene	5.00	5.62	112	57.0-150	
Isopropylbenzene	5.00	6.00	120	72.0-127	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3789649-1 05/09/22 10:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
p-Isopropyltoluene	5.00	5.18	104	72.0-133	
2-Butanone (MEK)	25.0	36.8	147	30.0-160	
Methylene Chloride	5.00	5.30	106	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	35.9	144	56.0-143	J4
Methyl tert-butyl ether	5.00	4.95	99.0	66.0-132	
Naphthalene	5.00	4.25	85.0	59.0-130	
n-Propylbenzene	5.00	5.35	107	74.0-126	
Styrene	5.00	6.24	125	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	5.79	116	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	5.50	110	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.83	96.6	61.0-139	
Tetrachloroethene	5.00	6.64	133	70.0-136	
Toluene	5.00	5.24	105	75.0-121	
1,2,3-Trichlorobenzene	5.00	4.33	86.6	59.0-139	
1,2,4-Trichlorobenzene	5.00	6.11	122	62.0-137	
1,1,1-Trichloroethane	5.00	5.57	111	69.0-126	
1,1,2-Trichloroethane	5.00	5.69	114	78.0-123	
Trichloroethene	5.00	5.62	112	76.0-126	
Trichlorofluoromethane	5.00	4.99	99.8	61.0-142	
1,2,3-Trichloropropane	5.00	5.72	114	67.0-129	
1,2,4-Trimethylbenzene	5.00	5.28	106	70.0-126	
1,2,3-Trimethylbenzene	5.00	5.02	100	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.36	87.2	73.0-127	
Vinyl chloride	5.00	4.84	96.8	63.0-134	
Xylenes, Total	15.0	17.3	115	72.0-127	
Ethyl ether	5.00	5.34	107	64.0-137	
Tetrahydrofuran	5.00	7.28	146	37.0-146	
Iodomethane	25.0	25.4	102	74.0-134	
Allyl chloride	25.0	26.2	105	70.0-131	
trans-1,4-Dichloro-2-butene	5.00	5.06	101	45.0-143	
(S) Toluene-d8			99.0	75.0-131	
(S) 4-Bromofluorobenzene			98.2	67.0-138	
(S) 1,2-Dichloroethane-d4			112	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3791886-2 05/12/22 19:57

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3791886-2 05/12/22 19:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	106			75.0-131
(S) 4-Bromofluorobenzene	92.7			67.0-138
(S) 1,2-Dichloroethane-d4	110			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3791886-1 05/12/22 18:40 • (LCSD) R3791886-3 05/12/22 21:00

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 %
Acetone	25.0	55.2	50.8	221	203	10.0-160	J4	J4	8.30	31
Acrylonitrile	25.0	35.2	35.8	141	143	45.0-153			1.69	22
Benzene	5.00	4.85	4.67	97.0	93.4	70.0-123			3.78	20
Bromobenzene	5.00	5.44	5.88	109	118	73.0-121			7.77	20
Bromodichloromethane	5.00	5.29	5.24	106	105	73.0-121			0.950	20
Bromoform	5.00	5.99	6.20	120	124	64.0-132			3.45	20
Bromomethane	5.00	6.40	5.45	128	109	56.0-147			16.0	20
n-Butylbenzene	5.00	4.50	5.04	90.0	101	68.0-135			11.3	20
sec-Butylbenzene	5.00	4.31	4.64	86.2	92.8	74.0-130			7.37	20
tert-Butylbenzene	5.00	4.47	4.77	89.4	95.4	75.0-127			6.49	20
Carbon tetrachloride	5.00	4.98	4.77	99.6	95.4	66.0-128			4.31	20
Chlorobenzene	5.00	5.80	5.54	116	111	76.0-128			4.59	20
Chlorodibromomethane	5.00	5.99	6.07	120	121	74.0-127			1.33	20
Chloroethane	5.00	4.75	4.50	95.0	90.0	61.0-134			5.41	20
Chloroform	5.00	5.32	5.15	106	103	72.0-123			3.25	20
Chloromethane	5.00	5.61	5.24	112	105	51.0-138			6.82	20
2-Chlorotoluene	5.00	5.00	5.57	100	111	75.0-124			10.8	20
4-Chlorotoluene	5.00	4.90	5.28	98.0	106	75.0-124			7.47	20
1,2-Dibromo-3-Chloropropane	5.00	4.67	5.75	93.4	115	59.0-130		J3	20.7	20
1,2-Dibromoethane	5.00	5.78	5.74	116	115	74.0-128			0.694	20
Dibromomethane	5.00	5.35	5.23	107	105	75.0-122			2.27	20
1,2-Dichlorobenzene	5.00	5.58	6.05	112	121	76.0-124			8.08	20
1,3-Dichlorobenzene	5.00	5.45	6.00	109	120	76.0-125			9.61	20
1,4-Dichlorobenzene	5.00	5.31	5.64	106	113	77.0-121			6.03	20
Dichlorodifluoromethane	5.00	5.04	4.91	101	98.2	43.0-156			2.61	20
1,1-Dichloroethane	5.00	5.18	5.08	104	102	70.0-127			1.95	20
1,2-Dichloroethane	5.00	5.60	5.49	112	110	65.0-131			1.98	20
1,1-Dichloroethene	5.00	5.16	5.08	103	102	65.0-131			1.56	20
cis-1,2-Dichloroethene	5.00	5.22	5.05	104	101	73.0-125			3.31	20
trans-1,2-Dichloroethene	5.00	5.43	5.10	109	102	71.0-125			6.27	20
1,2-Dichloropropane	5.00	4.87	4.72	97.4	94.4	74.0-125			3.13	20
1,1-Dichloropropene	5.00	5.04	4.91	101	98.2	73.0-125			2.61	20
1,3-Dichloropropane	5.00	5.58	5.40	112	108	80.0-125			3.28	20
cis-1,3-Dichloropropene	5.00	4.86	4.87	97.2	97.4	76.0-127			0.206	20
trans-1,3-Dichloropropene	5.00	5.26	5.12	105	102	73.0-127			2.70	20
2,2-Dichloropropane	5.00	5.11	5.52	102	110	59.0-135			7.71	20
Di-isopropyl ether	5.00	5.95	5.97	119	119	60.0-136			0.336	20
Ethylbenzene	5.00	5.75	5.68	115	114	74.0-126			1.22	20
Hexachloro-1,3-butadiene	5.00	5.22	5.66	104	113	57.0-150			8.09	20
Isopropylbenzene	5.00	5.80	5.46	116	109	72.0-127			6.04	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3791886-1 05/12/22 18:40 • (LCSD) R3791886-3 05/12/22 21:00

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 %
p-Isopropyltoluene	5.00	4.53	4.90	90.6	98.0	72.0-133			7.85	20
2-Butanone (MEK)	25.0	36.1	37.7	144	151	30.0-160			4.34	24
Methylene Chloride	5.00	5.12	5.32	102	106	68.0-123			3.83	20
4-Methyl-2-pentanone (MIBK)	25.0	36.2	37.4	145	150	56.0-143	J4	J4	3.26	20
Methyl tert-butyl ether	5.00	5.10	5.11	102	102	66.0-132			0.196	20
Naphthalene	5.00	3.89	4.00	77.8	80.0	59.0-130			2.79	20
n-Propylbenzene	5.00	4.66	5.09	93.2	102	74.0-126			8.82	20
Styrene	5.00	5.94	5.83	119	117	72.0-127			1.87	20
1,1,1,2-Tetrachloroethane	5.00	5.62	5.58	112	112	74.0-129			0.714	20
1,1,2,2-Tetrachloroethane	5.00	4.71	5.35	94.2	107	68.0-128			12.7	20
1,1,2-Trichlorotrifluoroethane	5.00	4.53	4.57	90.6	91.4	61.0-139			0.879	20
Tetrachloroethene	5.00	6.76	6.38	135	128	70.0-136			5.78	20
Toluene	5.00	5.23	5.04	105	101	75.0-121			3.70	20
1,2,3-Trichlorobenzene	5.00	3.59	4.11	71.8	82.2	59.0-139			13.5	20
1,2,4-Trichlorobenzene	5.00	5.37	6.01	107	120	62.0-137			11.2	20
1,1,1-Trichloroethane	5.00	5.38	5.27	108	105	69.0-126			2.07	20
1,1,2-Trichloroethane	5.00	5.55	5.59	111	112	78.0-123			0.718	20
Trichloroethene	5.00	5.74	5.60	115	112	76.0-126			2.47	20
Trichlorofluoromethane	5.00	4.28	4.62	85.6	92.4	61.0-142			7.64	20
1,2,3-Trichloropropane	5.00	5.21	5.69	104	114	67.0-129			8.81	20
1,2,4-Trimethylbenzene	5.00	4.65	5.13	93.0	103	70.0-126			9.82	20
1,2,3-Trimethylbenzene	5.00	4.65	5.01	93.0	100	74.0-124			7.45	20
1,3,5-Trimethylbenzene	5.00	4.22	4.63	84.4	92.6	73.0-127			9.27	20
Vinyl chloride	5.00	4.90	4.60	98.0	92.0	63.0-134			6.32	20
Xylenes, Total	15.0	17.5	16.3	117	109	72.0-127			7.10	20
Ethyl ether	5.00	5.24	5.30	105	106	64.0-137			1.14	20
Tetrahydrofuran	5.00	8.85	8.22	177	164	37.0-146	J4	J4	7.38	24
Iodomethane	25.0	25.1	25.2	100	101	74.0-134			0.398	20
Allyl chloride	25.0	25.4	25.1	102	100	70.0-131			1.19	20
trans-1,4-Dichloro-2-butene	5.00	4.67	5.83	93.4	117	45.0-143		J3	22.1	20
(S) Toluene-d8				98.0	97.6	75.0-131				
(S) 4-Bromofluorobenzene				96.9	96.2	67.0-138				
(S) 1,2-Dichloroethane-d4				111	112	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

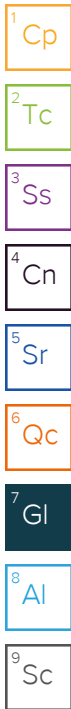
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
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.
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.
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.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.



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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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				
L2			L2	
FEG, MNG 250mlHDPE-HNO3	RSK175LL 40mlAmb-HCI	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCI	V82260ULLC 40mlAmb-HCI

Chain of Custody Page 1 of 2



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.paceabs.com/hubs/pas-standard-terms.pdf>

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5.com

Project Description:
American Linen

City/State
 Collected: **Seattle, WA**

Please Circle:
 PT MT CT ET

Phone: **206-529-3980**

Client Project #
443018-1413001.05.60
10.701

Lab Project #
PESENVSWA-ALP

Collected by (print):
Ben Hecht

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):
[Signature]
 Immediately Packed on Ice N Y

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
Standard TAT

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FEG, MNG 250mlHDPE-HNO3	RSK175LL 40mlAmb-HCI	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCI	V82260ULLC 40mlAmb-HCI
MW-338-050422	Grab	GW		5-4-2022	1035	3					X
MW-328-050422		GW			1200	3					X
MW-339-050422		GW			1230	3					X
MW-341-050422		GW			1320	3					X
MW-327-050422		GW			1410	3					X
MW-341-050422		GW			1510	3					X
MW-148-050522		GW		5-5-2022	1055	8	X	X	X	X	X
MW-155-050522		GW			1235	8	X	X	X	X	X
FMW-129-050522		GW			1520	8	X	X	X	X	X
MW-1 MW-119-050522		GW			1625	8	X	X	X	X	X

SDG # *L49/192*
F062
 Acctnum: **PESENVSWA**
 Template: **T207753**
 Prelogin: **P919177**
 PM: **546 - Jared Starkey**
 PB:
 Shipped Via:
 Remarks Sample # (lab only)

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via:
 UPS FedEx Courier
 Tracking # **5433 8382 2339**

Sample Receipt Checklist
 COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 If Applicable
 VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)
[Signature]
 Date: **5-6-2022**
 Time: **1500**

Received by: (Signature)
 Date: **5/6/22**
 Time: **0930**

Trip Blank Received: Yes / No
 MeOH TBR
 Temp: **9.9** °C
 Bottles Received: **58**

If preservation required by Login: Date/Time
 Hold:
 Condition: **NCF / OK**

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

Analysis / Container / Preservative	
Pres Chk	



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>

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5.com

Project Description:
American Linen

City/State Collected: **Seattle, WA**
 Please Circle: PT MT CT ET

Phone: **206-529-3980**

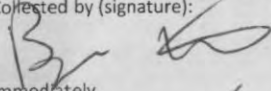
Client Project #
443018-1413001.05.60-10.701

Lab Project #
PESENVSWA-ALP

Collected by (print):
Benjamin Hecht

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):

 Immediately Packed on Ice N Y

Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day
 Date Results Needed
Standard TAT

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FEG, MNG 250ml/HDPE-HNO3	RSK175LL 40ml/Amb-HCl	SULFATE 125ml/HDPE-NoPres	TOC 250ml/HDPE-HCl	V8260ULLC 40ml/Amb-HCl
MW106-050622	Grab	GW		5-6-2022	1330	8	X	X	X	X	X
TB-050622	-	GW		↓	1500	1					X
		GW									
		GW									
		GW									
		GW									
		GW									
		GW									
		GW									

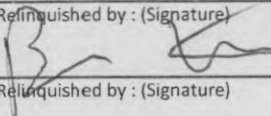
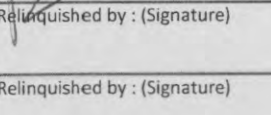
SDG # **L1491192**
 Table #
 Acctnum: **PESENVSWA**
 Template: **T207753**
 Prelogin: **P919177**
 PM: **546 - Jared Starkey**
 PB:
 Shipped Via:
 Remarks Sample # (lab only)

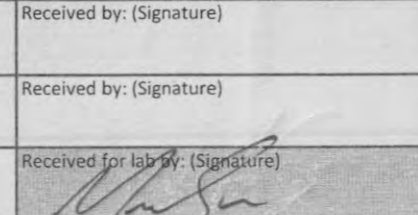
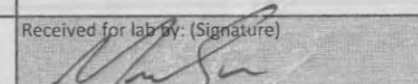
* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via:
 UPS FedEx Courier
 Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	<input type="checkbox"/> NP	<input type="checkbox"/> Y	<input type="checkbox"/> N
COC Signed/Accurate:		<input type="checkbox"/> Y	<input type="checkbox"/> N
Bottles arrive intact:		<input type="checkbox"/> Y	<input type="checkbox"/> N
Correct bottles used:		<input type="checkbox"/> Y	<input type="checkbox"/> N
Sufficient volume sent:		<input type="checkbox"/> Y	<input type="checkbox"/> N
If Applicable			
VOA Zero Headspace:		<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Preservation Correct/Checked:		<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
RAD Screen <0.5 mR/hr:		<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N

Relinquished by: (Signature)

 Relinquished by: (Signature)

 Relinquished by: (Signature)

Date: **5-6-2022** Time: **1500**
 Received by: (Signature)

 Received by: (Signature)
 Received for lab by: (Signature)


Trip Blank Received: Yes / No
 HCl / MeOH
 TBR
 Temp: **9.9** °C Bottles Received: **58**
 Date: **5/6/22** Time: **0930**
 Hold: Condition: **NCF / OK**

June 02, 2022

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: L1492458
Samples Received: 05/11/2022
Project Number: 443018-1413004.10.70
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
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 www.pacenational.com

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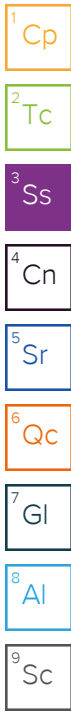
¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

MW103-050922 L1492458-01 GW

Collected by Ben Hecht
 Collected date/time 05/09/22 12:40
 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1872598	1	06/01/22 15:39	06/01/22 15:39	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1870724	1	05/28/22 17:26	05/28/22 17:26	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1864824	1	05/17/22 16:52	05/17/22 21:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865023	1	05/18/22 09:52	05/18/22 09:52	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/12/22 23:33	05/12/22 23:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864055	5	05/17/22 00:56	05/17/22 00:56	JHH	Mt. Juliet, TN



MW109-050922 L1492458-02 GW

Collected by Ben Hecht
 Collected date/time 05/09/22 14:25
 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1869946	1	05/28/22 17:32	05/28/22 17:32	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1870724	1	05/28/22 17:43	05/28/22 17:43	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1864824	1	05/17/22 16:52	05/17/22 21:45	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865023	1	05/18/22 09:54	05/18/22 09:54	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/12/22 23:53	05/12/22 23:53	DWR	Mt. Juliet, TN

MW-312-050922 L1492458-03 GW

Collected by Ben Hecht
 Collected date/time 05/09/22 14:37
 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/13/22 00:12	05/13/22 00:12	DWR	Mt. Juliet, TN

MW-311-050922 L1492458-04 GW

Collected by Ben Hecht
 Collected date/time 05/09/22 15:58
 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/13/22 00:31	05/13/22 00:31	DWR	Mt. Juliet, TN

FMW-141-050922 L1492458-05 GW

Collected by Ben Hecht
 Collected date/time 05/09/22 16:05
 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/13/22 00:50	05/13/22 00:50	DWR	Mt. Juliet, TN

MW102-051022 L1492458-06 GW

Collected by Ben Hecht
 Collected date/time 05/10/22 11:40
 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1869946	1	05/28/22 17:44	05/28/22 17:44	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1870724	1	05/28/22 17:59	05/28/22 17:59	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1864824	1	05/17/22 16:52	05/17/22 21:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865023	1	05/18/22 09:56	05/18/22 09:56	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/13/22 01:09	05/13/22 01:09	DWR	Mt. Juliet, TN

SAMPLE SUMMARY

MW-190-051022 L1492458-07 GW

Collected by Ben Hecht
 Collected date/time 05/10/22 13:36
 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1869946	1	05/28/22 17:56	05/28/22 17:56	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1870724	1	05/28/22 18:54	05/28/22 18:54	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1864824	1	05/17/22 16:52	05/17/22 21:52	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865023	1	05/18/22 10:00	05/18/22 10:00	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/13/22 01:29	05/13/22 01:29	DWR	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

MW-182-051022 L1492458-08 GW

Collected by Ben Hecht
 Collected date/time 05/10/22 16:20
 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1869946	1	05/28/22 18:09	05/28/22 18:09	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1870724	1	05/28/22 19:18	05/28/22 19:18	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1864824	1	05/17/22 16:52	05/17/22 22:03	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865023	1	05/18/22 10:24	05/18/22 10:24	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865716	10	05/18/22 15:29	05/18/22 15:29	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/13/22 01:48	05/13/22 01:48	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864055	200	05/17/22 01:15	05/17/22 01:15	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1865194	1000	05/17/22 23:46	05/17/22 23:46	JHH	Mt. Juliet, TN

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-184-051022 L1492458-10 GW

Collected by Ben Hecht
 Collected date/time 05/10/22 12:00
 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1869946	1	05/28/22 18:46	05/28/22 18:46	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1870724	1	05/28/22 20:03	05/28/22 20:03	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1864824	1	05/17/22 16:52	05/17/22 22:06	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865023	1	05/18/22 10:27	05/18/22 10:27	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864608	1	05/17/22 05:03	05/17/22 05:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1865976	10	05/19/22 15:07	05/19/22 15:07	BMB	Mt. Juliet, TN

MW-181-051022 L1492458-11 GW

Collected by Ben Hecht
 Collected date/time 05/10/22 14:13
 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1871125	1	05/28/22 18:29	05/28/22 18:29	KEG	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1870724	1	05/28/22 21:05	05/28/22 21:05	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1864824	1	05/17/22 16:52	05/17/22 22:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865023	1	05/18/22 10:30	05/18/22 10:30	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865716	10	05/18/22 15:31	05/18/22 15:31	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864608	10	05/17/22 08:12	05/17/22 08:12	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1865976	200	05/19/22 15:26	05/19/22 15:26	BMB	Mt. Juliet, TN

MW-183-051022 L1492458-12 GW

Collected by Ben Hecht
 Collected date/time 05/10/22 15:26
 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1871125	1	05/28/22 18:42	05/28/22 18:42	KEG	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1870724	1	05/28/22 21:23	05/28/22 21:23	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1864824	1	05/17/22 16:52	05/17/22 22:13	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865023	1	05/18/22 10:38	05/18/22 10:38	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865716	10	05/18/22 15:36	05/18/22 15:36	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864608	1	05/17/22 05:22	05/17/22 05:22	JHH	Mt. Juliet, TN

SAMPLE SUMMARY

MW-183-051022 L1492458-12 GW

Collected by: Ben Hecht
 Collected date/time: 05/10/22 15:26
 Received date/time: 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1865976	100	05/19/22 15:45	05/19/22 15:45	BMB	Mt. Juliet, TN

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

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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	30400		594	5000	1	06/01/2022 15:39	WG1872598

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)	1630	<u>B</u>	102	1000	1	05/28/2022 17:26	WG1870724

Metals (ICPMS) by Method 6020B

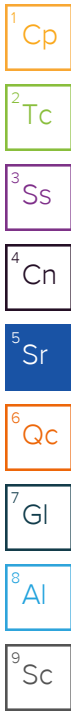
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2650		28.1	100	1	05/17/2022 21:29	WG1864824
Manganese	951	<u>V</u>	0.704	5.00	1	05/17/2022 21:29	WG1864824

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	272		0.287	0.678	1	05/18/2022 09:52	WG1865023
Ethane	28.3		0.296	1.29	1	05/18/2022 09:52	WG1865023
Ethene	24.3		0.422	1.27	1	05/18/2022 09:52	WG1865023

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	4.51	<u>C5 J4</u>	0.548	1.00	1	05/12/2022 23:33	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/12/2022 23:33	WG1862853
Benzene	0.0370	<u>J</u>	0.0160	0.0400	1	05/12/2022 23:33	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/12/2022 23:33	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/12/2022 23:33	WG1862853
Bromoform	U		0.239	1.00	1	05/12/2022 23:33	WG1862853
Bromomethane	U		0.148	0.500	1	05/12/2022 23:33	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/12/2022 23:33	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/12/2022 23:33	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/12/2022 23:33	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/12/2022 23:33	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/12/2022 23:33	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/12/2022 23:33	WG1862853
Chloroethane	U		0.0432	0.200	1	05/12/2022 23:33	WG1862853
Chloroform	U		0.0166	0.100	1	05/12/2022 23:33	WG1862853
Chloromethane	U		0.0556	0.500	1	05/12/2022 23:33	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/12/2022 23:33	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/12/2022 23:33	WG1862853
1,2-Dibromo-3-Chloropropane	U	<u>J3</u>	0.204	1.00	1	05/12/2022 23:33	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/12/2022 23:33	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/12/2022 23:33	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/12/2022 23:33	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/12/2022 23:33	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/12/2022 23:33	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/12/2022 23:33	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/12/2022 23:33	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/12/2022 23:33	WG1862853
1,1-Dichloroethene	2.15		0.0200	0.100	1	05/12/2022 23:33	WG1862853
cis-1,2-Dichloroethene	213		0.138	0.500	5	05/17/2022 00:56	WG1864055
trans-1,2-Dichloroethene	0.273		0.0572	0.200	1	05/12/2022 23:33	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/12/2022 23:33	WG1862853



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	05/12/2022 23:33	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/12/2022 23:33	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/12/2022 23:33	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/12/2022 23:33	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/12/2022 23:33	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/12/2022 23:33	WG1862853
Ethylbenzene	0.165	J	0.106	0.500	5	05/17/2022 00:56	WG1864055
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/12/2022 23:33	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/12/2022 23:33	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/12/2022 23:33	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/12/2022 23:33	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/12/2022 23:33	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/12/2022 23:33	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/12/2022 23:33	WG1862853
Naphthalene	0.850	C3 J	0.620	2.50	5	05/17/2022 00:56	WG1864055
n-Propylbenzene	U		0.0472	0.200	1	05/12/2022 23:33	WG1862853
Styrene	U		0.109	0.500	1	05/12/2022 23:33	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/12/2022 23:33	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/12/2022 23:33	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/12/2022 23:33	WG1862853
Tetrachloroethene	U		0.0280	0.100	1	05/12/2022 23:33	WG1862853
Toluene	U		0.0500	0.200	1	05/12/2022 23:33	WG1862853
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/12/2022 23:33	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/12/2022 23:33	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/12/2022 23:33	WG1862853
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/12/2022 23:33	WG1862853
Trichloroethene	2.68		0.0160	0.0400	1	05/12/2022 23:33	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/12/2022 23:33	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/12/2022 23:33	WG1862853
1,2,4-Trimethylbenzene	0.335	J	0.232	1.00	5	05/17/2022 00:56	WG1864055
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/12/2022 23:33	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/12/2022 23:33	WG1862853
Vinyl chloride	66.9		0.0273	0.100	1	05/12/2022 23:33	WG1862853
Xylenes, Total	U		0.955	1.30	5	05/17/2022 00:56	WG1864055
Ethyl Ether	U		0.0170	0.100	1	05/12/2022 23:33	WG1862853
Tetrahydrofuran	U	J4	0.0900	0.500	1	05/12/2022 23:33	WG1862853
Iodomethane	U		0.242	0.500	1	05/12/2022 23:33	WG1862853
Allyl chloride	U		0.580	1.00	1	05/12/2022 23:33	WG1862853
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	05/12/2022 23:33	WG1862853
(S) Toluene-d8	103			75.0-131		05/12/2022 23:33	WG1862853
(S) Toluene-d8	91.1			75.0-131		05/17/2022 00:56	WG1864055
(S) 4-Bromofluorobenzene	95.3			67.0-138		05/12/2022 23:33	WG1862853
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2022 00:56	WG1864055
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/12/2022 23:33	WG1862853
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/17/2022 00:56	WG1864055

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1890	J	594	5000	1	05/28/2022 17:32	WG1869946

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)	5870		102	1000	1	05/28/2022 17:43	WG1870724

Metals (ICPMS) by Method 6020B

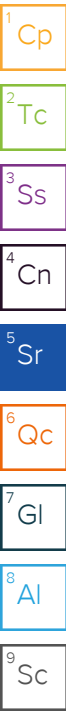
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10500		28.1	100	1	05/17/2022 21:45	WG1864824
Manganese	2920		0.704	5.00	1	05/17/2022 21:45	WG1864824

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4020		0.287	0.678	1	05/18/2022 09:54	WG1865023
Ethane	15.3		0.296	1.29	1	05/18/2022 09:54	WG1865023
Ethene	1.22	J	0.422	1.27	1	05/18/2022 09:54	WG1865023

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	3.22	C5 J4	0.548	1.00	1	05/12/2022 23:53	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/12/2022 23:53	WG1862853
Benzene	U		0.0160	0.0400	1	05/12/2022 23:53	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/12/2022 23:53	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/12/2022 23:53	WG1862853
Bromoform	U		0.239	1.00	1	05/12/2022 23:53	WG1862853
Bromomethane	U		0.148	0.500	1	05/12/2022 23:53	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/12/2022 23:53	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/12/2022 23:53	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/12/2022 23:53	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/12/2022 23:53	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/12/2022 23:53	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/12/2022 23:53	WG1862853
Chloroethane	U		0.0432	0.200	1	05/12/2022 23:53	WG1862853
Chloroform	U		0.0166	0.100	1	05/12/2022 23:53	WG1862853
Chloromethane	U		0.0556	0.500	1	05/12/2022 23:53	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/12/2022 23:53	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/12/2022 23:53	WG1862853
1,2-Dibromo-3-Chloropropane	U	J3	0.204	1.00	1	05/12/2022 23:53	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/12/2022 23:53	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/12/2022 23:53	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/12/2022 23:53	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/12/2022 23:53	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/12/2022 23:53	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/12/2022 23:53	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/12/2022 23:53	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/12/2022 23:53	WG1862853
1,1-Dichloroethene	U		0.0200	0.100	1	05/12/2022 23:53	WG1862853
cis-1,2-Dichloroethene	13.4		0.0276	0.100	1	05/12/2022 23:53	WG1862853
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/12/2022 23:53	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/12/2022 23:53	WG1862853



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	05/12/2022 23:53	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/12/2022 23:53	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/12/2022 23:53	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/12/2022 23:53	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/12/2022 23:53	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/12/2022 23:53	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/12/2022 23:53	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/12/2022 23:53	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/12/2022 23:53	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/12/2022 23:53	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/12/2022 23:53	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/12/2022 23:53	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/12/2022 23:53	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/12/2022 23:53	WG1862853
Naphthalene	U	C3	0.124	0.500	1	05/12/2022 23:53	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/12/2022 23:53	WG1862853
Styrene	U		0.109	0.500	1	05/12/2022 23:53	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/12/2022 23:53	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/12/2022 23:53	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/12/2022 23:53	WG1862853
Tetrachloroethene	U		0.0280	0.100	1	05/12/2022 23:53	WG1862853
Toluene	U		0.0500	0.200	1	05/12/2022 23:53	WG1862853
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/12/2022 23:53	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/12/2022 23:53	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/12/2022 23:53	WG1862853
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/12/2022 23:53	WG1862853
Trichloroethene	U		0.0160	0.0400	1	05/12/2022 23:53	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/12/2022 23:53	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/12/2022 23:53	WG1862853
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/12/2022 23:53	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/12/2022 23:53	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/12/2022 23:53	WG1862853
Vinyl chloride	5.05		0.0273	0.100	1	05/12/2022 23:53	WG1862853
Xylenes, Total	U		0.191	0.260	1	05/12/2022 23:53	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/12/2022 23:53	WG1862853
Tetrahydrofuran	U	J4	0.0900	0.500	1	05/12/2022 23:53	WG1862853
Iodomethane	U		0.242	0.500	1	05/12/2022 23:53	WG1862853
Allyl chloride	U		0.580	1.00	1	05/12/2022 23:53	WG1862853
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	05/12/2022 23:53	WG1862853
(S) Toluene-d8	103			75.0-131		05/12/2022 23:53	WG1862853
(S) 4-Bromofluorobenzene	94.1			67.0-138		05/12/2022 23:53	WG1862853
(S) 1,2-Dichloroethane-d4	114			70.0-130		05/12/2022 23:53	WG1862853

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	6.09	<u>C5 J4</u>	0.548	1.00	1	05/13/2022 00:12	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 00:12	WG1862853
Benzene	U		0.0160	0.0400	1	05/13/2022 00:12	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/13/2022 00:12	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 00:12	WG1862853
Bromoform	U		0.239	1.00	1	05/13/2022 00:12	WG1862853
Bromomethane	U		0.148	0.500	1	05/13/2022 00:12	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 00:12	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 00:12	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 00:12	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 00:12	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 00:12	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 00:12	WG1862853
Chloroethane	U		0.0432	0.200	1	05/13/2022 00:12	WG1862853
Chloroform	U		0.0166	0.100	1	05/13/2022 00:12	WG1862853
Chloromethane	U		0.0556	0.500	1	05/13/2022 00:12	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 00:12	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 00:12	WG1862853
1,2-Dibromo-3-Chloropropane	U	<u>J3</u>	0.204	1.00	1	05/13/2022 00:12	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 00:12	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/13/2022 00:12	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 00:12	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 00:12	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 00:12	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 00:12	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 00:12	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 00:12	WG1862853
1,1-Dichloroethene	U		0.0200	0.100	1	05/13/2022 00:12	WG1862853
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/13/2022 00:12	WG1862853
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/13/2022 00:12	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 00:12	WG1862853
1,1-Dichloropropene	U		0.0280	0.100	1	05/13/2022 00:12	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 00:12	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 00:12	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 00:12	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 00:12	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 00:12	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 00:12	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 00:12	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 00:12	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 00:12	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 00:12	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 00:12	WG1862853
4-Methyl-2-pentanone (MIBK)	U	<u>J4</u>	0.400	1.00	1	05/13/2022 00:12	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 00:12	WG1862853
Naphthalene	U	<u>C3</u>	0.124	0.500	1	05/13/2022 00:12	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 00:12	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 00:12	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 00:12	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 00:12	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 00:12	WG1862853
Tetrachloroethene	U		0.0280	0.100	1	05/13/2022 00:12	WG1862853
Toluene	U		0.0500	0.200	1	05/13/2022 00:12	WG1862853
1,2,3-Trichlorobenzene	U	<u>C3</u>	0.0250	0.500	1	05/13/2022 00:12	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 00:12	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 00:12	WG1862853

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 00:12	WG1862853
Trichloroethene	U		0.0160	0.0400	1	05/13/2022 00:12	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 00:12	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 00:12	WG1862853
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 00:12	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 00:12	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 00:12	WG1862853
Vinyl chloride	U		0.0273	0.100	1	05/13/2022 00:12	WG1862853
Xylenes, Total	U		0.191	0.260	1	05/13/2022 00:12	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 00:12	WG1862853
Tetrahydrofuran	U	<u>J4</u>	0.0900	0.500	1	05/13/2022 00:12	WG1862853
Iodomethane	U		0.242	0.500	1	05/13/2022 00:12	WG1862853
Allyl chloride	U		0.580	1.00	1	05/13/2022 00:12	WG1862853
Trans-1,4-Dichloro-2-butene	U	<u>J3</u>	0.0560	0.200	1	05/13/2022 00:12	WG1862853
(S) Toluene-d8	104			75.0-131		05/13/2022 00:12	WG1862853
(S) 4-Bromofluorobenzene	96.4			67.0-138		05/13/2022 00:12	WG1862853
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/13/2022 00:12	WG1862853

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
Acetone	3.35	<u>C5 J4</u>	0.548	1.00	1	05/13/2022 00:31	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 00:31	WG1862853
Benzene	U		0.0160	0.0400	1	05/13/2022 00:31	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/13/2022 00:31	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 00:31	WG1862853
Bromoform	U		0.239	1.00	1	05/13/2022 00:31	WG1862853
Bromomethane	U		0.148	0.500	1	05/13/2022 00:31	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 00:31	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 00:31	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 00:31	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 00:31	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 00:31	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 00:31	WG1862853
Chloroethane	U		0.0432	0.200	1	05/13/2022 00:31	WG1862853
Chloroform	U		0.0166	0.100	1	05/13/2022 00:31	WG1862853
Chloromethane	U		0.0556	0.500	1	05/13/2022 00:31	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 00:31	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 00:31	WG1862853
1,2-Dibromo-3-Chloropropane	U	<u>J3</u>	0.204	1.00	1	05/13/2022 00:31	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 00:31	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/13/2022 00:31	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 00:31	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 00:31	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 00:31	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 00:31	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 00:31	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 00:31	WG1862853
1,1-Dichloroethene	U		0.0200	0.100	1	05/13/2022 00:31	WG1862853
cis-1,2-Dichloroethene	0.336		0.0276	0.100	1	05/13/2022 00:31	WG1862853
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/13/2022 00:31	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 00:31	WG1862853
1,1-Dichloropropene	U		0.0280	0.100	1	05/13/2022 00:31	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 00:31	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 00:31	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 00:31	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 00:31	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 00:31	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 00:31	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 00:31	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 00:31	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 00:31	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 00:31	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 00:31	WG1862853
4-Methyl-2-pentanone (MIBK)	U	<u>J4</u>	0.400	1.00	1	05/13/2022 00:31	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 00:31	WG1862853
Naphthalene	U	<u>C3</u>	0.124	0.500	1	05/13/2022 00:31	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 00:31	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 00:31	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 00:31	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 00:31	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 00:31	WG1862853
Tetrachloroethene	U		0.0280	0.100	1	05/13/2022 00:31	WG1862853
Toluene	U		0.0500	0.200	1	05/13/2022 00:31	WG1862853
1,2,3-Trichlorobenzene	U	<u>C3</u>	0.0250	0.500	1	05/13/2022 00:31	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 00:31	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 00:31	WG1862853

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 00:31	WG1862853
Trichloroethene	0.247		0.0160	0.0400	1	05/13/2022 00:31	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 00:31	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 00:31	WG1862853
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 00:31	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 00:31	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 00:31	WG1862853
Vinyl chloride	0.346		0.0273	0.100	1	05/13/2022 00:31	WG1862853
Xylenes, Total	U		0.191	0.260	1	05/13/2022 00:31	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 00:31	WG1862853
Tetrahydrofuran	U	<u>J4</u>	0.0900	0.500	1	05/13/2022 00:31	WG1862853
Iodomethane	U		0.242	0.500	1	05/13/2022 00:31	WG1862853
Allyl chloride	U		0.580	1.00	1	05/13/2022 00:31	WG1862853
Trans-1,4-Dichloro-2-butene	U	<u>J3</u>	0.0560	0.200	1	05/13/2022 00:31	WG1862853
(S) Toluene-d8	102			75.0-131		05/13/2022 00:31	WG1862853
(S) 4-Bromofluorobenzene	92.8			67.0-138		05/13/2022 00:31	WG1862853
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/13/2022 00:31	WG1862853

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

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	3.26	C5 J4	0.548	1.00	1	05/13/2022 00:50	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 00:50	WG1862853
Benzene	U		0.0160	0.0400	1	05/13/2022 00:50	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/13/2022 00:50	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 00:50	WG1862853
Bromoform	U		0.239	1.00	1	05/13/2022 00:50	WG1862853
Bromomethane	U		0.148	0.500	1	05/13/2022 00:50	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 00:50	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 00:50	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 00:50	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 00:50	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 00:50	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 00:50	WG1862853
Chloroethane	U		0.0432	0.200	1	05/13/2022 00:50	WG1862853
Chloroform	U		0.0166	0.100	1	05/13/2022 00:50	WG1862853
Chloromethane	U		0.0556	0.500	1	05/13/2022 00:50	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 00:50	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 00:50	WG1862853
1,2-Dibromo-3-Chloropropane	U	J3	0.204	1.00	1	05/13/2022 00:50	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 00:50	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/13/2022 00:50	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 00:50	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 00:50	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 00:50	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 00:50	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 00:50	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 00:50	WG1862853
1,1-Dichloroethene	U		0.0200	0.100	1	05/13/2022 00:50	WG1862853
cis-1,2-Dichloroethene	97.3		0.0276	0.100	1	05/13/2022 00:50	WG1862853
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/13/2022 00:50	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 00:50	WG1862853
1,1-Dichloropropene	U		0.0280	0.100	1	05/13/2022 00:50	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 00:50	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 00:50	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 00:50	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 00:50	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 00:50	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 00:50	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 00:50	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 00:50	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 00:50	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 00:50	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 00:50	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/13/2022 00:50	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 00:50	WG1862853
Naphthalene	U	C3	0.124	0.500	1	05/13/2022 00:50	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 00:50	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 00:50	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 00:50	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 00:50	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 00:50	WG1862853
Tetrachloroethene	U		0.0280	0.100	1	05/13/2022 00:50	WG1862853
Toluene	U		0.0500	0.200	1	05/13/2022 00:50	WG1862853
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/13/2022 00:50	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 00:50	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 00:50	WG1862853

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 00:50	WG1862853
Trichloroethene	0.404		0.0160	0.0400	1	05/13/2022 00:50	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 00:50	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 00:50	WG1862853
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 00:50	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 00:50	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 00:50	WG1862853
Vinyl chloride	50.3		0.0273	0.100	1	05/13/2022 00:50	WG1862853
Xylenes, Total	0.195	<u>J</u>	0.191	0.260	1	05/13/2022 00:50	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 00:50	WG1862853
Tetrahydrofuran	U	<u>J4</u>	0.0900	0.500	1	05/13/2022 00:50	WG1862853
Iodomethane	U		0.242	0.500	1	05/13/2022 00:50	WG1862853
Allyl chloride	U		0.580	1.00	1	05/13/2022 00:50	WG1862853
Trans-1,4-Dichloro-2-butene	U	<u>J3</u>	0.0560	0.200	1	05/13/2022 00:50	WG1862853
(S) Toluene-d8	104			75.0-131		05/13/2022 00:50	WG1862853
(S) 4-Bromofluorobenzene	96.1			67.0-138		05/13/2022 00:50	WG1862853
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/13/2022 00:50	WG1862853

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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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2630	J	594	5000	1	05/28/2022 17:44	WG1869946

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)	1620	B	102	1000	1	05/28/2022 17:59	WG1870724

Metals (ICPMS) by Method 6020B

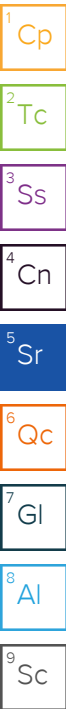
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3790		28.1	100	1	05/17/2022 21:48	WG1864824
Manganese	195		0.704	5.00	1	05/17/2022 21:48	WG1864824

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	264		0.287	0.678	1	05/18/2022 09:56	WG1865023
Ethane	U		0.296	1.29	1	05/18/2022 09:56	WG1865023
Ethene	U		0.422	1.27	1	05/18/2022 09:56	WG1865023

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	4.02	C5 J4	0.548	1.00	1	05/13/2022 01:09	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 01:09	WG1862853
Benzene	U		0.0160	0.0400	1	05/13/2022 01:09	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/13/2022 01:09	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 01:09	WG1862853
Bromoform	U		0.239	1.00	1	05/13/2022 01:09	WG1862853
Bromomethane	U		0.148	0.500	1	05/13/2022 01:09	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 01:09	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 01:09	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 01:09	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 01:09	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 01:09	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 01:09	WG1862853
Chloroethane	U		0.0432	0.200	1	05/13/2022 01:09	WG1862853
Chloroform	U		0.0166	0.100	1	05/13/2022 01:09	WG1862853
Chloromethane	U		0.0556	0.500	1	05/13/2022 01:09	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 01:09	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 01:09	WG1862853
1,2-Dibromo-3-Chloropropane	U	J3	0.204	1.00	1	05/13/2022 01:09	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 01:09	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/13/2022 01:09	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 01:09	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 01:09	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 01:09	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 01:09	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 01:09	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 01:09	WG1862853
1,1-Dichloroethene	U		0.0200	0.100	1	05/13/2022 01:09	WG1862853
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/13/2022 01:09	WG1862853
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/13/2022 01:09	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 01:09	WG1862853



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	05/13/2022 01:09	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 01:09	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 01:09	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 01:09	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 01:09	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 01:09	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 01:09	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 01:09	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 01:09	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 01:09	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 01:09	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 01:09	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/13/2022 01:09	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 01:09	WG1862853
Naphthalene	U	C3	0.124	0.500	1	05/13/2022 01:09	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 01:09	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 01:09	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 01:09	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 01:09	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 01:09	WG1862853
Tetrachloroethene	U		0.0280	0.100	1	05/13/2022 01:09	WG1862853
Toluene	0.528		0.0500	0.200	1	05/13/2022 01:09	WG1862853
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/13/2022 01:09	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 01:09	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 01:09	WG1862853
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 01:09	WG1862853
Trichloroethene	U		0.0160	0.0400	1	05/13/2022 01:09	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 01:09	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 01:09	WG1862853
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 01:09	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 01:09	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 01:09	WG1862853
Vinyl chloride	U		0.0273	0.100	1	05/13/2022 01:09	WG1862853
Xylenes, Total	0.439		0.191	0.260	1	05/13/2022 01:09	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 01:09	WG1862853
Tetrahydrofuran	U	J4	0.0900	0.500	1	05/13/2022 01:09	WG1862853
Iodomethane	U		0.242	0.500	1	05/13/2022 01:09	WG1862853
Allyl chloride	U		0.580	1.00	1	05/13/2022 01:09	WG1862853
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	05/13/2022 01:09	WG1862853
(S) Toluene-d8	104			75.0-131		05/13/2022 01:09	WG1862853
(S) 4-Bromofluorobenzene	93.9			67.0-138		05/13/2022 01:09	WG1862853
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/13/2022 01:09	WG1862853

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	41900		594	5000	1	05/28/2022 17:56	WG1869946

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)	3050	<u>B</u>	102	1000	1	05/28/2022 18:54	WG1870724

Metals (ICPMS) by Method 6020B

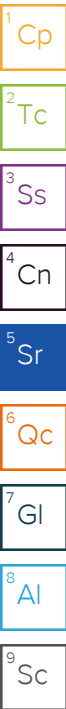
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	958		28.1	100	1	05/17/2022 21:52	WG1864824
Manganese	859		0.704	5.00	1	05/17/2022 21:52	WG1864824

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	799		0.287	0.678	1	05/18/2022 10:00	WG1865023
Ethane	1.32		0.296	1.29	1	05/18/2022 10:00	WG1865023
Ethene	9.09		0.422	1.27	1	05/18/2022 10:00	WG1865023

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	4.63	<u>C5 J4</u>	0.548	1.00	1	05/13/2022 01:29	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 01:29	WG1862853
Benzene	U		0.0160	0.0400	1	05/13/2022 01:29	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/13/2022 01:29	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 01:29	WG1862853
Bromoform	U		0.239	1.00	1	05/13/2022 01:29	WG1862853
Bromomethane	U		0.148	0.500	1	05/13/2022 01:29	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 01:29	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 01:29	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 01:29	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 01:29	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 01:29	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 01:29	WG1862853
Chloroethane	U		0.0432	0.200	1	05/13/2022 01:29	WG1862853
Chloroform	U		0.0166	0.100	1	05/13/2022 01:29	WG1862853
Chloromethane	U		0.0556	0.500	1	05/13/2022 01:29	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 01:29	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 01:29	WG1862853
1,2-Dibromo-3-Chloropropane	U	<u>J3</u>	0.204	1.00	1	05/13/2022 01:29	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 01:29	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/13/2022 01:29	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 01:29	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 01:29	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 01:29	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 01:29	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 01:29	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 01:29	WG1862853
1,1-Dichloroethene	U		0.0200	0.100	1	05/13/2022 01:29	WG1862853
cis-1,2-Dichloroethene	6.40		0.0276	0.100	1	05/13/2022 01:29	WG1862853
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/13/2022 01:29	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 01:29	WG1862853



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	05/13/2022 01:29	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 01:29	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 01:29	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 01:29	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 01:29	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 01:29	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 01:29	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 01:29	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 01:29	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 01:29	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 01:29	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 01:29	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/13/2022 01:29	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 01:29	WG1862853
Naphthalene	U	C3	0.124	0.500	1	05/13/2022 01:29	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 01:29	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 01:29	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 01:29	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 01:29	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 01:29	WG1862853
Tetrachloroethene	U		0.0280	0.100	1	05/13/2022 01:29	WG1862853
Toluene	0.527		0.0500	0.200	1	05/13/2022 01:29	WG1862853
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/13/2022 01:29	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 01:29	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 01:29	WG1862853
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 01:29	WG1862853
Trichloroethene	U		0.0160	0.0400	1	05/13/2022 01:29	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 01:29	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 01:29	WG1862853
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 01:29	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 01:29	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 01:29	WG1862853
Vinyl chloride	23.3		0.0273	0.100	1	05/13/2022 01:29	WG1862853
Xylenes, Total	0.338		0.191	0.260	1	05/13/2022 01:29	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 01:29	WG1862853
Tetrahydrofuran	U	J4	0.0900	0.500	1	05/13/2022 01:29	WG1862853
Iodomethane	U		0.242	0.500	1	05/13/2022 01:29	WG1862853
Allyl chloride	U		0.580	1.00	1	05/13/2022 01:29	WG1862853
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	05/13/2022 01:29	WG1862853
(S) Toluene-d8	105			75.0-131		05/13/2022 01:29	WG1862853
(S) 4-Bromofluorobenzene	94.1			67.0-138		05/13/2022 01:29	WG1862853
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/13/2022 01:29	WG1862853

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	05/28/2022 18:09	WG1869946

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)	61200		102	1000	1	05/28/2022 19:18	WG1870724

Metals (ICPMS) by Method 6020B

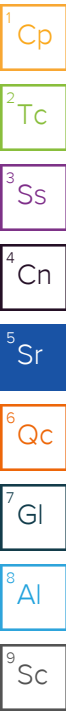
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	19200		28.1	100	1	05/17/2022 22:03	WG1864824
Manganese	3120		0.704	5.00	1	05/17/2022 22:03	WG1864824

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	19900		2.87	6.78	10	05/18/2022 15:29	WG1865716
Ethane	294		0.296	1.29	1	05/18/2022 10:24	WG1865023
Ethene	3400		0.422	1.27	1	05/18/2022 10:24	WG1865023

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	19.1	C5 J4	0.548	1.00	1	05/13/2022 01:48	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 01:48	WG1862853
Benzene	0.332		0.0160	0.0400	1	05/13/2022 01:48	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/13/2022 01:48	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 01:48	WG1862853
Bromoform	U		0.239	1.00	1	05/13/2022 01:48	WG1862853
Bromomethane	U		0.148	0.500	1	05/13/2022 01:48	WG1862853
n-Butylbenzene	0.221	J	0.153	0.500	1	05/13/2022 01:48	WG1862853
sec-Butylbenzene	0.139	J	0.101	0.500	1	05/13/2022 01:48	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 01:48	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 01:48	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 01:48	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 01:48	WG1862853
Chloroethane	U		0.0432	0.200	1	05/13/2022 01:48	WG1862853
Chloroform	U		0.0166	0.100	1	05/13/2022 01:48	WG1862853
Chloromethane	U		0.0556	0.500	1	05/13/2022 01:48	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 01:48	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 01:48	WG1862853
1,2-Dibromo-3-Chloropropane	U	J3	0.204	1.00	1	05/13/2022 01:48	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 01:48	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/13/2022 01:48	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 01:48	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 01:48	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 01:48	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 01:48	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 01:48	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 01:48	WG1862853
1,1-Dichloroethene	67.3		0.0200	0.100	1	05/13/2022 01:48	WG1862853
cis-1,2-Dichloroethene	38200		27.6	100	1000	05/17/2022 23:46	WG1865194
trans-1,2-Dichloroethene	91.0		0.0572	0.200	1	05/13/2022 01:48	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 01:48	WG1862853



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	05/13/2022 01:48	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 01:48	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 01:48	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 01:48	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 01:48	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 01:48	WG1862853
Ethylbenzene	0.479		0.0212	0.100	1	05/13/2022 01:48	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 01:48	WG1862853
Isopropylbenzene	0.0930	J	0.0345	0.100	1	05/13/2022 01:48	WG1862853
p-Isopropyltoluene	0.177	J	0.0932	0.200	1	05/13/2022 01:48	WG1862853
2-Butanone (MEK)	5.46	C5	0.500	1.00	1	05/13/2022 01:48	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 01:48	WG1862853
4-Methyl-2-pentanone (MIBK)	1.14	C5 J4	0.400	1.00	1	05/13/2022 01:48	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 01:48	WG1862853
Naphthalene	1.50	C3	0.124	0.500	1	05/13/2022 01:48	WG1862853
n-Propylbenzene	0.230		0.0472	0.200	1	05/13/2022 01:48	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 01:48	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 01:48	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 01:48	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 01:48	WG1862853
Tetrachloroethene	789		5.60	20.0	200	05/17/2022 01:15	WG1864055
Toluene	1.07		0.0500	0.200	1	05/13/2022 01:48	WG1862853
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/13/2022 01:48	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 01:48	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 01:48	WG1862853
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 01:48	WG1862853
Trichloroethene	840		3.20	8.00	200	05/17/2022 01:15	WG1864055
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 01:48	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 01:48	WG1862853
1,2,4-Trimethylbenzene	3.34		0.0464	0.200	1	05/13/2022 01:48	WG1862853
1,2,3-Trimethylbenzene	2.16		0.0460	0.200	1	05/13/2022 01:48	WG1862853
1,3,5-Trimethylbenzene	0.680		0.0432	0.200	1	05/13/2022 01:48	WG1862853
Vinyl chloride	26100		27.3	100	1000	05/17/2022 23:46	WG1865194
Xylenes, Total	2.80		0.191	0.260	1	05/13/2022 01:48	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 01:48	WG1862853
Tetrahydrofuran	U	J4	0.0900	0.500	1	05/13/2022 01:48	WG1862853
Iodomethane	U		0.242	0.500	1	05/13/2022 01:48	WG1862853
Allyl chloride	U		0.580	1.00	1	05/13/2022 01:48	WG1862853
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	05/13/2022 01:48	WG1862853
(S) Toluene-d8	101			75.0-131		05/13/2022 01:48	WG1862853
(S) Toluene-d8	91.7			75.0-131		05/17/2022 01:15	WG1864055
(S) Toluene-d8	90.5			75.0-131		05/17/2022 23:46	WG1865194
(S) 4-Bromofluorobenzene	95.9			67.0-138		05/13/2022 01:48	WG1862853
(S) 4-Bromofluorobenzene	106			67.0-138		05/17/2022 01:15	WG1864055
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2022 23:46	WG1865194
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/13/2022 01:48	WG1862853
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/17/2022 01:15	WG1864055
(S) 1,2-Dichloroethane-d4	114			70.0-130		05/17/2022 23:46	WG1865194

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	29900		594	5000	1	05/28/2022 18:46	WG1869946

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)	11100		102	1000	1	05/28/2022 20:03	WG1870724

Metals (ICPMS) by Method 6020B

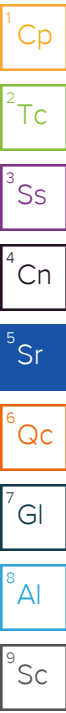
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1140		28.1	100	1	05/17/2022 22:06	WG1864824
Manganese	3500		0.704	5.00	1	05/17/2022 22:06	WG1864824

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1610		0.287	0.678	1	05/18/2022 10:27	WG1865023
Ethane	4.63		0.296	1.29	1	05/18/2022 10:27	WG1865023
Ethene	6.02		0.422	1.27	1	05/18/2022 10:27	WG1865023

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	1.35		0.548	1.00	1	05/17/2022 05:03	WG1864608
Acrylonitrile	U	C3	0.0760	0.500	1	05/17/2022 05:03	WG1864608
Benzene	U		0.0160	0.0400	1	05/17/2022 05:03	WG1864608
Bromobenzene	U		0.0420	0.500	1	05/17/2022 05:03	WG1864608
Bromodichloromethane	U		0.0315	0.100	1	05/17/2022 05:03	WG1864608
Bromoform	U	C3	0.239	1.00	1	05/17/2022 05:03	WG1864608
Bromomethane	U		0.148	0.500	1	05/17/2022 05:03	WG1864608
n-Butylbenzene	U		0.153	0.500	1	05/17/2022 05:03	WG1864608
sec-Butylbenzene	U		0.101	0.500	1	05/17/2022 05:03	WG1864608
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2022 05:03	WG1864608
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2022 05:03	WG1864608
Chlorobenzene	U		0.0229	0.100	1	05/17/2022 05:03	WG1864608
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2022 05:03	WG1864608
Chloroethane	4.21		0.0432	0.200	1	05/17/2022 05:03	WG1864608
Chloroform	U		0.0166	0.100	1	05/17/2022 05:03	WG1864608
Chloromethane	U		0.0556	0.500	1	05/17/2022 05:03	WG1864608
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2022 05:03	WG1864608
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2022 05:03	WG1864608
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/17/2022 05:03	WG1864608
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2022 05:03	WG1864608
Dibromomethane	U		0.0400	0.200	1	05/17/2022 05:03	WG1864608
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2022 05:03	WG1864608
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2022 05:03	WG1864608
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2022 05:03	WG1864608
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2022 05:03	WG1864608
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2022 05:03	WG1864608
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2022 05:03	WG1864608
1,1-Dichloroethene	15.3		0.0200	0.100	1	05/17/2022 05:03	WG1864608
cis-1,2-Dichloroethene	253		0.276	1.00	10	05/19/2022 15:07	WG1865976
trans-1,2-Dichloroethene	5.55		0.0572	0.200	1	05/17/2022 05:03	WG1864608
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2022 05:03	WG1864608



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	05/17/2022 05:03	WG1864608
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2022 05:03	WG1864608
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2022 05:03	WG1864608
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2022 05:03	WG1864608
2,2-Dichloropropane	U	J4	0.0317	0.100	1	05/17/2022 05:03	WG1864608
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2022 05:03	WG1864608
Ethylbenzene	U		0.0212	0.100	1	05/17/2022 05:03	WG1864608
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2022 05:03	WG1864608
Isopropylbenzene	U		0.0345	0.100	1	05/17/2022 05:03	WG1864608
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2022 05:03	WG1864608
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2022 05:03	WG1864608
Methylene Chloride	U		0.265	1.00	1	05/17/2022 05:03	WG1864608
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2022 05:03	WG1864608
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2022 05:03	WG1864608
Naphthalene	U	C3	0.124	0.500	1	05/17/2022 05:03	WG1864608
n-Propylbenzene	U		0.0472	0.200	1	05/17/2022 05:03	WG1864608
Styrene	U		0.109	0.500	1	05/17/2022 05:03	WG1864608
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2022 05:03	WG1864608
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2022 05:03	WG1864608
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2022 05:03	WG1864608
Tetrachloroethene	296		0.280	1.00	10	05/19/2022 15:07	WG1865976
Toluene	U		0.0500	0.200	1	05/17/2022 05:03	WG1864608
1,2,3-Trichlorobenzene	U	C4 J4	0.0250	0.500	1	05/17/2022 05:03	WG1864608
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/17/2022 05:03	WG1864608
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	05/17/2022 05:03	WG1864608
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2022 05:03	WG1864608
Trichloroethene	216		0.160	0.400	10	05/19/2022 15:07	WG1865976
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2022 05:03	WG1864608
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2022 05:03	WG1864608
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2022 05:03	WG1864608
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2022 05:03	WG1864608
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2022 05:03	WG1864608
Vinyl chloride	36.0		0.0273	0.100	1	05/17/2022 05:03	WG1864608
Xylenes, Total	U		0.191	0.260	1	05/17/2022 05:03	WG1864608
Ethyl Ether	U		0.0170	0.100	1	05/17/2022 05:03	WG1864608
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2022 05:03	WG1864608
Iodomethane	U		0.242	0.500	1	05/17/2022 05:03	WG1864608
Allyl chloride	U		0.580	1.00	1	05/17/2022 05:03	WG1864608
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2022 05:03	WG1864608
(S) Toluene-d8	90.6			75.0-131		05/17/2022 05:03	WG1864608
(S) Toluene-d8	108			75.0-131		05/19/2022 15:07	WG1865976
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2022 05:03	WG1864608
(S) 4-Bromofluorobenzene	98.2			67.0-138		05/19/2022 15:07	WG1865976
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/17/2022 05:03	WG1864608
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		05/19/2022 15:07	WG1865976

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	05/28/2022 18:29	WG1871125

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)	33300		102	1000	1	05/28/2022 21:05	WG1870724

Metals (ICPMS) by Method 6020B

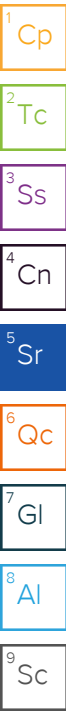
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10600		28.1	100	1	05/17/2022 22:10	WG1864824
Manganese	1590		0.704	5.00	1	05/17/2022 22:10	WG1864824

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	18500		2.87	6.78	10	05/18/2022 15:31	WG1865716
Ethane	200		0.296	1.29	1	05/18/2022 10:30	WG1865023
Ethene	4270		0.422	1.27	1	05/18/2022 10:30	WG1865023

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	16.4		5.48	10.0	10	05/17/2022 08:12	WG1864608
Acrylonitrile	U	C3	0.760	5.00	10	05/17/2022 08:12	WG1864608
Benzene	U		0.160	0.400	10	05/17/2022 08:12	WG1864608
Bromobenzene	U		0.420	5.00	10	05/17/2022 08:12	WG1864608
Bromodichloromethane	U		0.315	1.00	10	05/17/2022 08:12	WG1864608
Bromoform	U	C3	2.39	10.0	10	05/17/2022 08:12	WG1864608
Bromomethane	U		1.48	5.00	10	05/17/2022 08:12	WG1864608
n-Butylbenzene	U		1.53	5.00	10	05/17/2022 08:12	WG1864608
sec-Butylbenzene	U		1.01	5.00	10	05/17/2022 08:12	WG1864608
tert-Butylbenzene	U		0.620	2.00	10	05/17/2022 08:12	WG1864608
Carbon tetrachloride	U		0.432	2.00	10	05/17/2022 08:12	WG1864608
Chlorobenzene	U		0.229	1.00	10	05/17/2022 08:12	WG1864608
Chlorodibromomethane	U		0.180	1.00	10	05/17/2022 08:12	WG1864608
Chloroethane	U		0.432	2.00	10	05/17/2022 08:12	WG1864608
Chloroform	U		0.166	1.00	10	05/17/2022 08:12	WG1864608
Chloromethane	U		0.556	5.00	10	05/17/2022 08:12	WG1864608
2-Chlorotoluene	U		0.368	1.00	10	05/17/2022 08:12	WG1864608
4-Chlorotoluene	U		0.452	2.00	10	05/17/2022 08:12	WG1864608
1,2-Dibromo-3-Chloropropane	U	C3	2.04	10.0	10	05/17/2022 08:12	WG1864608
1,2-Dibromoethane	U		0.210	1.00	10	05/17/2022 08:12	WG1864608
Dibromomethane	U		0.400	2.00	10	05/17/2022 08:12	WG1864608
1,2-Dichlorobenzene	U		0.580	2.00	10	05/17/2022 08:12	WG1864608
1,3-Dichlorobenzene	U		0.680	2.00	10	05/17/2022 08:12	WG1864608
1,4-Dichlorobenzene	U		0.788	2.00	10	05/17/2022 08:12	WG1864608
Dichlorodifluoromethane	U		0.327	1.00	10	05/17/2022 08:12	WG1864608
1,1-Dichloroethane	U		0.230	1.00	10	05/17/2022 08:12	WG1864608
1,2-Dichloroethane	U		0.190	1.00	10	05/17/2022 08:12	WG1864608
1,1-Dichloroethene	6.12		0.200	1.00	10	05/17/2022 08:12	WG1864608
cis-1,2-Dichloroethene	723		0.276	1.00	10	05/17/2022 08:12	WG1864608
trans-1,2-Dichloroethene	34.1		0.572	2.00	10	05/17/2022 08:12	WG1864608
1,2-Dichloropropane	U		0.508	2.00	10	05/17/2022 08:12	WG1864608



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		0.280	1.00	10	05/17/2022 08:12	WG1864608
1,3-Dichloropropane	U		0.700	2.00	10	05/17/2022 08:12	WG1864608
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/17/2022 08:12	WG1864608
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/17/2022 08:12	WG1864608
2,2-Dichloropropane	U	J4	0.317	1.00	10	05/17/2022 08:12	WG1864608
Di-isopropyl ether	U		0.140	0.400	10	05/17/2022 08:12	WG1864608
Ethylbenzene	U		0.212	1.00	10	05/17/2022 08:12	WG1864608
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/17/2022 08:12	WG1864608
Isopropylbenzene	U		0.345	1.00	10	05/17/2022 08:12	WG1864608
p-Isopropyltoluene	U		0.932	2.00	10	05/17/2022 08:12	WG1864608
2-Butanone (MEK)	U		5.00	10.0	10	05/17/2022 08:12	WG1864608
Methylene Chloride	U		2.65	10.0	10	05/17/2022 08:12	WG1864608
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/17/2022 08:12	WG1864608
Methyl tert-butyl ether	U		0.118	0.400	10	05/17/2022 08:12	WG1864608
Naphthalene	U	C3	1.24	5.00	10	05/17/2022 08:12	WG1864608
n-Propylbenzene	U		0.472	2.00	10	05/17/2022 08:12	WG1864608
Styrene	U		1.09	5.00	10	05/17/2022 08:12	WG1864608
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/17/2022 08:12	WG1864608
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/17/2022 08:12	WG1864608
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/17/2022 08:12	WG1864608
Tetrachloroethene	5.29		0.280	1.00	10	05/17/2022 08:12	WG1864608
Toluene	U		0.500	2.00	10	05/17/2022 08:12	WG1864608
1,2,3-Trichlorobenzene	U	C4 J4	0.250	5.00	10	05/17/2022 08:12	WG1864608
1,2,4-Trichlorobenzene	U	C4	1.93	5.00	10	05/17/2022 08:12	WG1864608
1,1,1-Trichloroethane	U	J4	0.110	1.00	10	05/17/2022 08:12	WG1864608
1,1,2-Trichloroethane	U		0.353	1.00	10	05/17/2022 08:12	WG1864608
Trichloroethene	2.26		0.160	0.400	10	05/17/2022 08:12	WG1864608
Trichlorofluoromethane	U		0.200	1.00	10	05/17/2022 08:12	WG1864608
1,2,3-Trichloropropane	U		2.04	5.00	10	05/17/2022 08:12	WG1864608
1,2,4-Trimethylbenzene	U		0.464	2.00	10	05/17/2022 08:12	WG1864608
1,2,3-Trimethylbenzene	U		0.460	2.00	10	05/17/2022 08:12	WG1864608
1,3,5-Trimethylbenzene	U		0.432	2.00	10	05/17/2022 08:12	WG1864608
Vinyl chloride	10200		5.46	20.0	200	05/19/2022 15:26	WG1865976
Xylenes, Total	U		1.91	2.60	10	05/17/2022 08:12	WG1864608
Ethyl Ether	U		0.170	1.00	10	05/17/2022 08:12	WG1864608
Tetrahydrofuran	1.48	J	0.900	5.00	10	05/17/2022 08:12	WG1864608
Iodomethane	U		2.42	5.00	10	05/17/2022 08:12	WG1864608
Allyl chloride	U		5.80	10.0	10	05/17/2022 08:12	WG1864608
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/17/2022 08:12	WG1864608
(S) Toluene-d8	91.0			75.0-131		05/17/2022 08:12	WG1864608
(S) Toluene-d8	105			75.0-131		05/19/2022 15:26	WG1865976
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2022 08:12	WG1864608
(S) 4-Bromofluorobenzene	101			67.0-138		05/19/2022 15:26	WG1865976
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/17/2022 08:12	WG1864608
(S) 1,2-Dichloroethane-d4	99.9			70.0-130		05/19/2022 15:26	WG1865976

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	21600		594	5000	1	05/28/2022 18:42	WG1871125

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)	12100		102	1000	1	05/28/2022 21:23	WG1870724

Metals (ICPMS) by Method 6020B

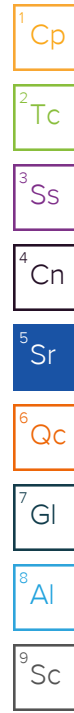
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3040		28.1	100	1	05/17/2022 22:13	WG1864824
Manganese	1480		0.704	5.00	1	05/17/2022 22:13	WG1864824

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	23600		2.87	6.78	10	05/18/2022 15:36	WG1865716
Ethane	7.83		0.296	1.29	1	05/18/2022 10:38	WG1865023
Ethene	386		0.422	1.27	1	05/18/2022 10:38	WG1865023

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	1.14		0.548	1.00	1	05/17/2022 05:22	WG1864608
Acrylonitrile	U	C3	0.0760	0.500	1	05/17/2022 05:22	WG1864608
Benzene	0.0360	J	0.0160	0.0400	1	05/17/2022 05:22	WG1864608
Bromobenzene	U		0.0420	0.500	1	05/17/2022 05:22	WG1864608
Bromodichloromethane	U		0.0315	0.100	1	05/17/2022 05:22	WG1864608
Bromoform	U	C3	0.239	1.00	1	05/17/2022 05:22	WG1864608
Bromomethane	U		0.148	0.500	1	05/17/2022 05:22	WG1864608
n-Butylbenzene	U		0.153	0.500	1	05/17/2022 05:22	WG1864608
sec-Butylbenzene	U		0.101	0.500	1	05/17/2022 05:22	WG1864608
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2022 05:22	WG1864608
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2022 05:22	WG1864608
Chlorobenzene	U		0.0229	0.100	1	05/17/2022 05:22	WG1864608
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2022 05:22	WG1864608
Chloroethane	U		0.0432	0.200	1	05/17/2022 05:22	WG1864608
Chloroform	U		0.0166	0.100	1	05/17/2022 05:22	WG1864608
Chloromethane	U		0.0556	0.500	1	05/17/2022 05:22	WG1864608
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2022 05:22	WG1864608
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2022 05:22	WG1864608
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/17/2022 05:22	WG1864608
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2022 05:22	WG1864608
Dibromomethane	U		0.0400	0.200	1	05/17/2022 05:22	WG1864608
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2022 05:22	WG1864608
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2022 05:22	WG1864608
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2022 05:22	WG1864608
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2022 05:22	WG1864608
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2022 05:22	WG1864608
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2022 05:22	WG1864608
1,1-Dichloroethene	14.5		0.0200	0.100	1	05/17/2022 05:22	WG1864608
cis-1,2-Dichloroethene	3940		2.76	10.0	100	05/19/2022 15:45	WG1865976
trans-1,2-Dichloroethene	7.82		0.0572	0.200	1	05/17/2022 05:22	WG1864608
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2022 05:22	WG1864608



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	05/17/2022 05:22	WG1864608
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2022 05:22	WG1864608
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2022 05:22	WG1864608
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2022 05:22	WG1864608
2,2-Dichloropropane	U	J4	0.0317	0.100	1	05/17/2022 05:22	WG1864608
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2022 05:22	WG1864608
Ethylbenzene	U		0.0212	0.100	1	05/17/2022 05:22	WG1864608
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2022 05:22	WG1864608
Isopropylbenzene	U		0.0345	0.100	1	05/17/2022 05:22	WG1864608
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2022 05:22	WG1864608
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2022 05:22	WG1864608
Methylene Chloride	U		0.265	1.00	1	05/17/2022 05:22	WG1864608
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2022 05:22	WG1864608
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2022 05:22	WG1864608
Naphthalene	U	C3	0.124	0.500	1	05/17/2022 05:22	WG1864608
n-Propylbenzene	U		0.0472	0.200	1	05/17/2022 05:22	WG1864608
Styrene	U		0.109	0.500	1	05/17/2022 05:22	WG1864608
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2022 05:22	WG1864608
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2022 05:22	WG1864608
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2022 05:22	WG1864608
Tetrachloroethene	U		2.80	10.0	100	05/19/2022 15:45	WG1865976
Toluene	0.112	J	0.0500	0.200	1	05/17/2022 05:22	WG1864608
1,2,3-Trichlorobenzene	U	C4 J4	0.0250	0.500	1	05/17/2022 05:22	WG1864608
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/17/2022 05:22	WG1864608
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	05/17/2022 05:22	WG1864608
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2022 05:22	WG1864608
Trichloroethene	18.0		0.0160	0.0400	1	05/17/2022 05:22	WG1864608
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2022 05:22	WG1864608
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2022 05:22	WG1864608
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2022 05:22	WG1864608
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2022 05:22	WG1864608
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2022 05:22	WG1864608
Vinyl chloride	4350		2.73	10.0	100	05/19/2022 15:45	WG1865976
Xylenes, Total	U		0.191	0.260	1	05/17/2022 05:22	WG1864608
Ethyl Ether	U		0.0170	0.100	1	05/17/2022 05:22	WG1864608
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2022 05:22	WG1864608
Iodomethane	U		0.242	0.500	1	05/17/2022 05:22	WG1864608
Allyl chloride	U		0.580	1.00	1	05/17/2022 05:22	WG1864608
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2022 05:22	WG1864608
(S) Toluene-d8	90.1			75.0-131		05/17/2022 05:22	WG1864608
(S) Toluene-d8	104			75.0-131		05/19/2022 15:45	WG1865976
(S) 4-Bromofluorobenzene	106			67.0-138		05/17/2022 05:22	WG1864608
(S) 4-Bromofluorobenzene	102			67.0-138		05/19/2022 15:45	WG1865976
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/17/2022 05:22	WG1864608
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/19/2022 15:45	WG1865976

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3797683-1 05/28/22 09:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

1 Cp

2 Tc

3 Ss

L1492146-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1492146-01 05/28/22 22:43 • (DUP) R3797683-6 05/28/22 22:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	18400	18800	1	1.79		15

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R3797683-2 05/28/22 10:10

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	39200	97.9	80.0-120	

6 Qc

7 Gl

8 Al

L1492146-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1492146-01 05/28/22 22:43 • (MS) R3797683-7 05/28/22 23:08

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	18400	71000	105	1	80.0-120	

9 Sc

Method Blank (MB)

(MB) R3797615-1 05/28/22 10:02

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1498409-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1498409-01 05/28/22 10:41 • (DUP) R3797615-3 05/28/22 10:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	686	608	1	0.000		15

L1492489-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1492489-03 05/28/22 22:13 • (DUP) R3797615-8 05/28/22 22:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	61200	61000	1	0.328		15

Laboratory Control Sample (LCS)

(LCS) R3797615-2 05/28/22 10:16

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	42900	107	80.0-120	

L1498409-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1498409-01 05/28/22 10:41 • (MS) R3797615-4 05/28/22 11:07 • (MSD) R3797615-5 05/28/22 11:20

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	686	51800	51800	102	102	1	80.0-120			0.0779	15

L1492484-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1492484-05 05/28/22 20:27 • (MS) R3797615-6 05/28/22 21:20 • (MSD) R3797615-7 05/28/22 21:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	U	49800	49900	99.7	99.8	1	80.0-120			0.0906	15

Method Blank (MB)

(MB) R3798724-1 06/01/22 10:19

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

1 Cp

2 Tc

3 Ss

L1492458-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1492458-01 06/01/22 15:39 • (DUP) R3798724-6 06/01/22 15:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	30400	30200	1	0.613		15

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R3798724-2 06/01/22 10:34

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	40600	102	80.0-120	

6 Qc

7 Gl

L1492458-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1492458-01 06/01/22 15:39 • (MS) R3798724-7 06/01/22 16:10

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	30400	78900	97.1	1	80.0-120	

8 Al

9 Sc

Method Blank (MB)

(MB) R3797303-2 05/28/22 14:59

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	415	↓	102	1000

¹ Cp

² Tc

³ Ss

L1492458-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1492458-08 05/28/22 19:18 • (DUP) R3797303-5 05/28/22 19:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	61200	62200	1	1.57		20

⁴ Cn

⁵ Sr

L1492458-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1492458-12 05/28/22 21:23 • (DUP) R3797303-6 05/28/22 21:44

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	12100	12300	1	1.55		20

⁶ Qc

⁷ Gl

⁸ Al

Laboratory Control Sample (LCS)

(LCS) R3797303-1 05/28/22 14:46

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	78700	105	85.0-115	

⁹ Sc

L1492458-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1492458-06 05/28/22 17:59 • (MS) R3797303-3 05/28/22 18:22 • (MSD) R3797303-4 05/28/22 18:40

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	1620	54100	52500	105	102	1	80.0-120			3.02	20

L1492464-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1492464-02 05/28/22 22:12 • (MS) R3797303-7 05/28/22 22:35 • (MSD) R3797303-8 05/28/22 22:57

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	2790	55900	56800	106	108	1	80.0-120			1.61	20

Method Blank (MB)

(MB) R3792954-1 05/17/22 21:22

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

Laboratory Control Sample (LCS)

(LCS) R3792954-2 05/17/22 21:25

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	4950	99.1	80.0-120	
Manganese	50.0	49.1	98.3	80.0-120	

L1492458-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1492458-01 05/17/22 21:29 • (MS) R3792954-4 05/17/22 21:35 • (MSD) R3792954-5 05/17/22 21:39

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	2650	7750	7880	102	105	1	75.0-125			1.73	20
Manganese	50.0	951	980	979	57.7	55.9	1	75.0-125	V	V	0.0890	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3793073-2 05/18/22 08:48

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

L1492168-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1492168-07 05/18/22 08:57 • (DUP) R3793073-3 05/18/22 09:47

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

L1492484-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1492484-04 05/18/22 10:51 • (DUP) R3793073-4 05/18/22 10:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	162	172	1	5.99		20
Ethane	1.52	2.18	1	200	P1	20
Ethene	U	U	1	0.000		20

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

(LCS) R3793073-1 05/18/22 08:44 • (LCSD) R3793073-5 05/18/22 10:57

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	69.8	67.3	103	99.3	85.0-115			3.65	20
Ethane	129	122	119	94.6	92.2	85.0-115			2.49	20
Ethene	127	123	119	96.9	93.7	85.0-115			3.31	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3793315-2 05/18/22 15:09

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

1 Cp

2 Tc

3 Ss

L1492498-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1492498-09 05/18/22 15:54 • (DUP) R3793315-3 05/18/22 16:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	9730	12400	10	24.1		20

4 Cn

5 Sr

6 Qc

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

(LCS) R3793315-1 05/18/22 15:07 • (LCSD) R3793315-4 05/18/22 16:18

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Methane	67.8	64.7	69.2	95.4	102	85.0-115			6.72	20

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3791886-2 05/12/22 19:57

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3791886-2 05/12/22 19:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	106			75.0-131
(S) 4-Bromofluorobenzene	92.7			67.0-138
(S) 1,2-Dichloroethane-d4	110			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3791886-1 05/12/22 18:40 • (LCSD) R3791886-3 05/12/22 21:00

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 %
Acetone	25.0	55.2	50.8	221	203	10.0-160	J4	J4	8.30	31
Acrylonitrile	25.0	35.2	35.8	141	143	45.0-153			1.69	22
Benzene	5.00	4.85	4.67	97.0	93.4	70.0-123			3.78	20
Bromobenzene	5.00	5.44	5.88	109	118	73.0-121			7.77	20
Bromodichloromethane	5.00	5.29	5.24	106	105	73.0-121			0.950	20
Bromoform	5.00	5.99	6.20	120	124	64.0-132			3.45	20
Bromomethane	5.00	6.40	5.45	128	109	56.0-147			16.0	20
n-Butylbenzene	5.00	4.50	5.04	90.0	101	68.0-135			11.3	20
sec-Butylbenzene	5.00	4.31	4.64	86.2	92.8	74.0-130			7.37	20
tert-Butylbenzene	5.00	4.47	4.77	89.4	95.4	75.0-127			6.49	20
Carbon tetrachloride	5.00	4.98	4.77	99.6	95.4	66.0-128			4.31	20
Chlorobenzene	5.00	5.80	5.54	116	111	76.0-128			4.59	20
Chlorodibromomethane	5.00	5.99	6.07	120	121	74.0-127			1.33	20
Chloroethane	5.00	4.75	4.50	95.0	90.0	61.0-134			5.41	20
Chloroform	5.00	5.32	5.15	106	103	72.0-123			3.25	20
Chloromethane	5.00	5.61	5.24	112	105	51.0-138			6.82	20
2-Chlorotoluene	5.00	5.00	5.57	100	111	75.0-124			10.8	20
4-Chlorotoluene	5.00	4.90	5.28	98.0	106	75.0-124			7.47	20
1,2-Dibromo-3-Chloropropane	5.00	4.67	5.75	93.4	115	59.0-130		J3	20.7	20
1,2-Dibromoethane	5.00	5.78	5.74	116	115	74.0-128			0.694	20
Dibromomethane	5.00	5.35	5.23	107	105	75.0-122			2.27	20
1,2-Dichlorobenzene	5.00	5.58	6.05	112	121	76.0-124			8.08	20
1,3-Dichlorobenzene	5.00	5.45	6.00	109	120	76.0-125			9.61	20
1,4-Dichlorobenzene	5.00	5.31	5.64	106	113	77.0-121			6.03	20
Dichlorodifluoromethane	5.00	5.04	4.91	101	98.2	43.0-156			2.61	20
1,1-Dichloroethane	5.00	5.18	5.08	104	102	70.0-127			1.95	20
1,2-Dichloroethane	5.00	5.60	5.49	112	110	65.0-131			1.98	20
1,1-Dichloroethene	5.00	5.16	5.08	103	102	65.0-131			1.56	20
cis-1,2-Dichloroethene	5.00	5.22	5.05	104	101	73.0-125			3.31	20
trans-1,2-Dichloroethene	5.00	5.43	5.10	109	102	71.0-125			6.27	20
1,2-Dichloropropane	5.00	4.87	4.72	97.4	94.4	74.0-125			3.13	20
1,1-Dichloropropene	5.00	5.04	4.91	101	98.2	73.0-125			2.61	20
1,3-Dichloropropane	5.00	5.58	5.40	112	108	80.0-125			3.28	20
cis-1,3-Dichloropropene	5.00	4.86	4.87	97.2	97.4	76.0-127			0.206	20
trans-1,3-Dichloropropene	5.00	5.26	5.12	105	102	73.0-127			2.70	20
2,2-Dichloropropane	5.00	5.11	5.52	102	110	59.0-135			7.71	20
Di-isopropyl ether	5.00	5.95	5.97	119	119	60.0-136			0.336	20
Ethylbenzene	5.00	5.75	5.68	115	114	74.0-126			1.22	20
Hexachloro-1,3-butadiene	5.00	5.22	5.66	104	113	57.0-150			8.09	20
Isopropylbenzene	5.00	5.80	5.46	116	109	72.0-127			6.04	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3791886-1 05/12/22 18:40 • (LCSD) R3791886-3 05/12/22 21:00

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 %
p-Isopropyltoluene	5.00	4.53	4.90	90.6	98.0	72.0-133			7.85	20
2-Butanone (MEK)	25.0	36.1	37.7	144	151	30.0-160			4.34	24
Methylene Chloride	5.00	5.12	5.32	102	106	68.0-123			3.83	20
4-Methyl-2-pentanone (MIBK)	25.0	36.2	37.4	145	150	56.0-143	J4	J4	3.26	20
Methyl tert-butyl ether	5.00	5.10	5.11	102	102	66.0-132			0.196	20
Naphthalene	5.00	3.89	4.00	77.8	80.0	59.0-130			2.79	20
n-Propylbenzene	5.00	4.66	5.09	93.2	102	74.0-126			8.82	20
Styrene	5.00	5.94	5.83	119	117	72.0-127			1.87	20
1,1,1,2-Tetrachloroethane	5.00	5.62	5.58	112	112	74.0-129			0.714	20
1,1,2,2-Tetrachloroethane	5.00	4.71	5.35	94.2	107	68.0-128			12.7	20
1,1,2-Trichlorotrifluoroethane	5.00	4.53	4.57	90.6	91.4	61.0-139			0.879	20
Tetrachloroethene	5.00	6.76	6.38	135	128	70.0-136			5.78	20
Toluene	5.00	5.23	5.04	105	101	75.0-121			3.70	20
1,2,3-Trichlorobenzene	5.00	3.59	4.11	71.8	82.2	59.0-139			13.5	20
1,2,4-Trichlorobenzene	5.00	5.37	6.01	107	120	62.0-137			11.2	20
1,1,1-Trichloroethane	5.00	5.38	5.27	108	105	69.0-126			2.07	20
1,1,2-Trichloroethane	5.00	5.55	5.59	111	112	78.0-123			0.718	20
Trichloroethene	5.00	5.74	5.60	115	112	76.0-126			2.47	20
Trichlorofluoromethane	5.00	4.28	4.62	85.6	92.4	61.0-142			7.64	20
1,2,3-Trichloropropane	5.00	5.21	5.69	104	114	67.0-129			8.81	20
1,2,4-Trimethylbenzene	5.00	4.65	5.13	93.0	103	70.0-126			9.82	20
1,2,3-Trimethylbenzene	5.00	4.65	5.01	93.0	100	74.0-124			7.45	20
1,3,5-Trimethylbenzene	5.00	4.22	4.63	84.4	92.6	73.0-127			9.27	20
Vinyl chloride	5.00	4.90	4.60	98.0	92.0	63.0-134			6.32	20
Xylenes, Total	15.0	17.5	16.3	117	109	72.0-127			7.10	20
Ethyl ether	5.00	5.24	5.30	105	106	64.0-137			1.14	20
Tetrahydrofuran	5.00	8.85	8.22	177	164	37.0-146	J4	J4	7.38	24
Iodomethane	25.0	25.1	25.2	100	101	74.0-134			0.398	20
Allyl chloride	25.0	25.4	25.1	102	100	70.0-131			1.19	20
trans-1,4-Dichloro-2-butene	5.00	4.67	5.83	93.4	117	45.0-143		J3	22.1	20
(S) Toluene-d8				98.0	97.6	75.0-131				
(S) 4-Bromofluorobenzene				96.9	96.2	67.0-138				
(S) 1,2-Dichloroethane-d4				111	112	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3792751-3 05/16/22 22:11

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
Ethylbenzene	U		0.0212	0.100
Naphthalene	U		0.124	0.500
Tetrachloroethene	U		0.0280	0.100
Trichloroethene	U		0.0160	0.0400
1,2,4-Trimethylbenzene	U		0.0464	0.200
Xylenes, Total	U		0.191	0.260
(S) Toluene-d8	93.9			75.0-131
(S) 4-Bromofluorobenzene	105			67.0-138
(S) 1,2-Dichloroethane-d4	105			70.0-130

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

(LCS) R3792751-1 05/16/22 20:55 • (LCSD) R3792751-2 05/16/22 21:14

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
cis-1,2-Dichloroethene	5.00	5.19	5.07	104	101	73.0-125			2.34	20
Ethylbenzene	5.00	4.64	4.52	92.8	90.4	74.0-126			2.62	20
Naphthalene	5.00	3.51	3.54	70.2	70.8	59.0-130			0.851	20
Tetrachloroethene	5.00	4.81	4.77	96.2	95.4	70.0-136			0.835	20
Trichloroethene	5.00	5.59	5.62	112	112	76.0-126			0.535	20
1,2,4-Trimethylbenzene	5.00	4.86	4.92	97.2	98.4	70.0-126			1.23	20
Xylenes, Total	15.0	13.9	13.6	92.7	90.7	72.0-127			2.18	20
(S) Toluene-d8				92.3	91.0	75.0-131				
(S) 4-Bromofluorobenzene				106	105	67.0-138				
(S) 1,2-Dichloroethane-d4				109	107	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3792752-3 05/16/22 22:11

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3792752-3 05/16/22 22:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	93.9			75.0-131
(S) 4-Bromofluorobenzene	105			67.0-138
(S) 1,2-Dichloroethane-d4	105			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3792752-1 05/16/22 20:55 • (LCSD) R3792752-2 05/16/22 21:14

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	19.9	19.2	79.6	76.8	10.0-160			3.58	31
Acrylonitrile	25.0	19.7	20.0	78.8	80.0	45.0-153			1.51	22
Benzene	5.00	5.03	4.94	101	98.8	70.0-123			1.81	20
Bromobenzene	5.00	4.35	4.29	87.0	85.8	73.0-121			1.39	20
Bromodichloromethane	5.00	5.48	5.39	110	108	73.0-121			1.66	20
Bromoform	5.00	3.82	3.71	76.4	74.2	64.0-132			2.92	20
Bromomethane	5.00	4.84	4.84	96.8	96.8	56.0-147			0.000	20
n-Butylbenzene	5.00	5.22	5.35	104	107	68.0-135			2.46	20
sec-Butylbenzene	5.00	5.07	5.17	101	103	74.0-130			1.95	20
tert-Butylbenzene	5.00	4.57	4.67	91.4	93.4	75.0-127			2.16	20
Carbon tetrachloride	5.00	5.53	5.43	111	109	66.0-128			1.82	20
Chlorobenzene	5.00	4.49	4.40	89.8	88.0	76.0-128			2.02	20
Chlorodibromomethane	5.00	4.15	4.12	83.0	82.4	74.0-127			0.726	20
Chloroethane	5.00	5.44	5.32	109	106	61.0-134			2.23	20
Chloroform	5.00	5.35	5.38	107	108	72.0-123			0.559	20
Chloromethane	5.00	6.08	5.95	122	119	51.0-138			2.16	20
2-Chlorotoluene	5.00	4.35	4.35	87.0	87.0	75.0-124			0.000	20
4-Chlorotoluene	5.00	4.60	4.68	92.0	93.6	75.0-124			1.72	20
1,2-Dibromo-3-Chloropropane	5.00	3.23	3.06	64.6	61.2	59.0-130			5.41	20
1,2-Dibromoethane	5.00	4.44	4.27	88.8	85.4	74.0-128			3.90	20
Dibromomethane	5.00	4.79	4.85	95.8	97.0	75.0-122			1.24	20
1,2-Dichlorobenzene	5.00	4.80	4.88	96.0	97.6	76.0-124			1.65	20
1,3-Dichlorobenzene	5.00	4.78	4.75	95.6	95.0	76.0-125			0.630	20
1,4-Dichlorobenzene	5.00	4.52	4.53	90.4	90.6	77.0-121			0.221	20
Dichlorodifluoromethane	5.00	5.72	5.66	114	113	43.0-156			1.05	20
1,1-Dichloroethane	5.00	5.42	5.34	108	107	70.0-127			1.49	20
1,2-Dichloroethane	5.00	5.84	5.55	117	111	65.0-131			5.09	20
1,1-Dichloroethene	5.00	5.25	5.28	105	106	65.0-131			0.570	20
cis-1,2-Dichloroethene	5.00	5.19	5.07	104	101	73.0-125			2.34	20
trans-1,2-Dichloroethene	5.00	5.67	5.59	113	112	71.0-125			1.42	20
1,2-Dichloropropane	5.00	5.36	5.14	107	103	74.0-125			4.19	20
1,1-Dichloropropene	5.00	6.01	5.79	120	116	73.0-125			3.73	20
1,3-Dichloropropane	5.00	4.57	4.45	91.4	89.0	80.0-125			2.66	20
cis-1,3-Dichloropropene	5.00	5.39	5.41	108	108	76.0-127			0.370	20
trans-1,3-Dichloropropene	5.00	4.59	4.61	91.8	92.2	73.0-127			0.435	20
2,2-Dichloropropane	5.00	7.50	7.29	150	146	59.0-135	J4	J4	2.84	20
Di-isopropyl ether	5.00	5.94	5.78	119	116	60.0-136			2.73	20
Ethylbenzene	5.00	4.64	4.52	92.8	90.4	74.0-126			2.62	20
Hexachloro-1,3-butadiene	5.00	4.72	4.90	94.4	98.0	57.0-150			3.74	20
Isopropylbenzene	5.00	5.22	5.13	104	103	72.0-127			1.74	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3792752-1 05/16/22 20:55 • (LCSD) R3792752-2 05/16/22 21:14

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 %
p-Isopropyltoluene	5.00	4.54	4.63	90.8	92.6	72.0-133			1.96	20
2-Butanone (MEK)	25.0	23.9	24.2	95.6	96.8	30.0-160			1.25	24
Methylene Chloride	5.00	4.90	5.18	98.0	104	68.0-123			5.56	20
4-Methyl-2-pentanone (MIBK)	25.0	24.9	24.4	99.6	97.6	56.0-143			2.03	20
Methyl tert-butyl ether	5.00	5.53	5.49	111	110	66.0-132			0.726	20
Naphthalene	5.00	3.51	3.54	70.2	70.8	59.0-130			0.851	20
n-Propylbenzene	5.00	4.90	4.92	98.0	98.4	74.0-126			0.407	20
Styrene	5.00	4.48	4.39	89.6	87.8	72.0-127			2.03	20
1,1,1,2-Tetrachloroethane	5.00	4.63	4.57	92.6	91.4	74.0-129			1.30	20
1,1,2,2-Tetrachloroethane	5.00	4.06	4.02	81.2	80.4	68.0-128			0.990	20
1,1,2-Trichlorotrifluoroethane	5.00	5.27	5.28	105	106	61.0-139			0.190	20
Tetrachloroethene	5.00	4.81	4.77	96.2	95.4	70.0-136			0.835	20
Toluene	5.00	4.63	4.57	92.6	91.4	75.0-121			1.30	20
1,2,3-Trichlorobenzene	5.00	2.69	3.01	53.8	60.2	59.0-139	J4		11.2	20
1,2,4-Trichlorobenzene	5.00	4.91	5.04	98.2	101	62.0-137			2.61	20
1,1,1-Trichloroethane	5.00	6.61	6.43	132	129	69.0-126	J4	J4	2.76	20
1,1,2-Trichloroethane	5.00	4.57	4.48	91.4	89.6	78.0-123			1.99	20
Trichloroethene	5.00	5.59	5.62	112	112	76.0-126			0.535	20
Trichlorofluoromethane	5.00	4.91	5.11	98.2	102	61.0-142			3.99	20
1,2,3-Trichloropropane	5.00	4.24	4.16	84.8	83.2	67.0-129			1.90	20
1,2,4-Trimethylbenzene	5.00	4.86	4.92	97.2	98.4	70.0-126			1.23	20
1,2,3-Trimethylbenzene	5.00	4.77	4.82	95.4	96.4	74.0-124			1.04	20
1,3,5-Trimethylbenzene	5.00	4.79	4.78	95.8	95.6	73.0-127			0.209	20
Vinyl chloride	5.00	5.31	5.26	106	105	63.0-134			0.946	20
Xylenes, Total	15.0	13.9	13.6	92.7	90.7	72.0-127			2.18	20
Ethyl ether	5.00	4.84	4.63	96.8	92.6	64.0-137			4.44	20
Tetrahydrofuran	5.00	4.71	4.46	94.2	89.2	37.0-146			5.45	24
Iodomethane	25.0	27.1	27.1	108	108	74.0-134			0.000	20
Allyl chloride	25.0	25.9	25.5	104	102	70.0-131			1.56	20
trans-1,4-Dichloro-2-butene	5.00	4.71	4.45	94.2	89.0	45.0-143			5.68	20
(S) Toluene-d8				92.3	91.0	75.0-131				
(S) 4-Bromofluorobenzene				106	105	67.0-138				
(S) 1,2-Dichloroethane-d4				109	107	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3793347-3 05/17/22 21:24

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	92.0			75.0-131
(S) 4-Bromofluorobenzene	104			67.0-138
(S) 1,2-Dichloroethane-d4	115			70.0-130

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

(LCS) R3793347-1 05/17/22 20:08 • (LCSD) R3793347-2 05/17/22 20:27

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
cis-1,2-Dichloroethene	5.00	5.04	5.02	101	100	73.0-125			0.398	20
Vinyl chloride	5.00	5.05	5.06	101	101	63.0-134			0.198	20
(S) Toluene-d8				90.1	91.4	75.0-131				
(S) 4-Bromofluorobenzene				103	106	67.0-138				
(S) 1,2-Dichloroethane-d4				111	112	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3794008-3 05/19/22 12:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
Tetrachloroethene	U		0.0280	0.100
Trichloroethene	U		0.0160	0.0400
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	107			75.0-131
(S) 4-Bromofluorobenzene	101			67.0-138
(S) 1,2-Dichloroethane-d4	97.8			70.0-130

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

(LCS) R3794008-1 05/19/22 11:01 • (LCSD) R3794008-2 05/19/22 11:20

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
cis-1,2-Dichloroethene	5.00	5.23	5.06	105	101	73.0-125			3.30	20
Tetrachloroethene	5.00	4.88	4.93	97.6	98.6	70.0-136			1.02	20
Trichloroethene	5.00	5.04	4.87	101	97.4	76.0-126			3.43	20
Vinyl chloride	5.00	4.76	4.73	95.2	94.6	63.0-134			0.632	20
(S) Toluene-d8				99.4	103	75.0-131				
(S) 4-Bromofluorobenzene				101	100	67.0-138				
(S) 1,2-Dichloroethane-d4				103	100	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

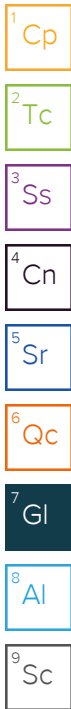
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
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.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
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.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.



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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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 1 of 1

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State
 Collected:

Please Circle:
 PT MT CT ET

Phone: **206-529-3980**

Client Project #
443018-1413001-05-60
1413001-10-701

Lab Project #
PESENVSWA-ALP

Collected by (print):
Ben Hecht

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):
[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
Standard IAT

Immediately Packed on Ice N ___ Y

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FEG, MNG 250mlHDPE-HNO3	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl
MW103-050922 (B)	Grab	GW		5-9-2022	1240	8	X	X	X	X	X
MW104-050922		GW			1425	8	X	X	X	X	X
MW-312-050922		GW			1437	3				X	
MW-311-050922		GW			1558	3				X	
FMW-141-050922		GW		5/9/22	1605	3				X	
MW102-051022		GW		5/10/22	1140	8	X	X	X	X	X
MW-190-051022		GW		5/10/22	1336	8	X	X	X	X	X
MW-182-051022		GW		5/10/22	1520	8	X	X	X	X	X
		GW									
		GW									

Pace
 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/hubfs/pas-standard-terms.pdf>

SDG # *1492458*
D175

Acctnum: **PESENVSWA**
 Template: **T207753**
 Prelogin: **P919177**
 PM: 546 - Jared Starkey
 PB:

Shipped Via:
 Remarks Sample # (lab only)

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - Waste Water
 DW - Drinking Water
 OT - Other

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____

Sample Receipt Checklist
 COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 If Applicable
 VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

Samples returned via:
 ___ UPS ___ FedEx ___ Courier
 Tracking # **5433 8382 0255**

Relinquished by: (Signature) <i>[Signature]</i>	Date: 5-10-22	Time: 1650	Received by: (Signature) <i>[Signature]</i>	Trip Blank Received: Yes/No HCL/MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: DRAW °C Bottles Received: 2.510 = 2.5 73
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>	Date: 5/11/22 Time: 0930 Hold: Condition: OK

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

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com; brian.oneal@nv5

Project Description:
American Linen

City/State Collected:
 Please Circle: PT MT CT ET

Phone: **206-529-3980**

Client Project #:
443018-1413001.05.60
1413001-10-701

Lab Project #:
PESENVSWA-ALP

Collected by (print):
Ben Hecht

Site/Facility ID #:
443018-1413001.05.601

Collected by (signature):
[Signature]

Immerately Packed on Ice N Y

Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Date Results Needed:
Standard TAT

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	FEG, MNG 250mlHDPE-HNO3	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl
MW103-050922 (B1)	Grab	GW		5-9-2022	1240	8	X	X	X	X	X
MW109-050922		GW			1425	8	X	X	X	X	X
MW-312-050922		GW			1437	3				X	
MW-311-050922		GW			1558	3				X	
FMW-141-050922		GW		5/9/22	1605	3				X	
MW102-051022		GW		5/10/22	1140	8	X	X	X	X	X
MW-190-051022		GW		5/10/22	1336	8	X	X	X	X	X
MW-182-051022		GW		5/10/22	1520	8	X	X	X	X	X
MW-184-051022	grab	GW		5/10/22	1200	8	X	X	X	X	X
MW-181-051022	grab	GW		5/10/22	1413	8	X	X	X	X	X
MW-183-051022	grab	GW		5/10/22	1526	8	X	X	X	X	X

Remarks: **grab GW**

Temp: **-11**

Flow: **Temp** Other: **Temp**

Samples returned via: UPS FedEx Courier

Tracking #: **5433 8382 0255**

Relinquished by: (Signature) *[Signature]* Date: **5-10-22** Time: **1650**

Received by: (Signature) *[Signature]* Trip Blank Received: Yes/No **HCL/MeOH TBR**

Temp: **DRAW °C** Bottles Received: **2510 = 2.5 73**

Relinquished by: (Signature) *[Signature]* Date: **5/11/22** Time: **0930**

Received for lab by: (Signature) *[Signature]* Date: **5/11/22** Time: **0930**

Hold: **Condition: NCF / OK**

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
 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.paceenv.com/files/gpc-standard-terms.pdf>

SDG # **1492458**
D175

Acctnum: **PESENVSWA**
 Template: **T207753**
 Prelogin: **P919177**
 PM: **546 - Jared Starkey**
 PB:

Shipped Via:

Remarks | Sample # (lab only)

-01
-02
-03
-04
-05
-06
-07
-08
-09
-10

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

Report to:
 Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com; brian.oneal@nv5

Project Description:
 American Linen

City/State Collected:
 Please Circle: PT MT CT ET

Chain of Custody Page 1 of 1

Pace
 PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Latham 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/files/pace-standards-terms.pdf>

Phone: 206-529-3980

Client Project #
 443018-1413001-05.601
 1413001-10-701

Lab Project #
 PESENVSWA-ALP

Site/Facility ID #

P.O. #
 443018-1413001.05.601

Collected by (print):
 Ben Hecht

Collected by (signature):
 [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 #
 Standard TAT

Date Results Needed

Immediatly Packed on Ice N Y

SDG # **4492458**
D175

Acctnum: PESENVSWA
 Template: T207753
 Prelogin: P919177
 PM: 546 - Jared Starkey
 PB:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	FEG, MNG 250mlHDPE-HNO3	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl
MW103-050922 (B)	Grab	GW		5-9-2022	1240	8	X	X	X	X	X
MW109-050922		GW			1425	8	X	X	X	X	X
MW-312-050922		GW			1437	3				X	X
MW-311-050922		GW		✓	1558	3				X	X
FMW-141-050922		GW		5/9/22	1605	3				X	X
MW102-051022		GW		5/10/22	1140	8	X	X	X	X	X
MW-190-051022		GW		5/10/22	1336	8	X	X	X	X	X
MW-182-051022	✓	GW		5/10/22	1520	8	X	X	X	X	X
MW-184-051022	grab	GW		5/10/22	1200	8	X	X	X	X	X
MW-181-051022	grab	GW		5/10/22	1413	8	X	X	X	X	X
MW-183-051022	grab	GW		5/10/22	1526	8	X	X	X	X	X

Shipped Via:

Remarks	Sample # (lab only)
	-01
	-02
	-03
	-04
	-05
	-06
	-07
	-08
	-09
	-10

Sample Receiver Checklist

COC Seal Present/Intact: Y N

COC Signed/Accurate: Y N

Bottles arrive intact: Y N

Correct bottles used: Y N

Sufficient volume sent: Y N

If Applicable

VOL Zero Headspace: Y N

Preservation Correct/Checked: Y N

FAD Screen <0.5 mR/hr: Y N

Flow _____ Other _____

Temp -11

pH _____

Remarks: grab

Samples returned via: UPS FedEx Courier

Tracking # **5433 8382 0255**

Relinquished by: (Signature) [Signature] Date: 5-10-22 Time: 1650

Received by: (Signature) [Signature]

Trip Blank Received: Yes/No No

HCL/MeOH TBR

Temp: DRAW °C **2.510 = 2.5** Bottles Received: **73**

If preservation required by Login: Date/Time

Relinquished by: (Signature) [Signature] Date: 5/11/22 Time: 0930

Received for lab by: (Signature) [Signature]

Date: 5/11/22 Time: 0930

Hold: NCF OK

R5

5/12-NCF-L1492458 PESENYSWA

Time estimate: 0h

Time spent: 0h

Members

- HM Hailey Melson (responsible)
- JS Jared Starkey

Due on 16 May 2022 8:00 AM for target Done

- Login Clarification needed
- Chain of custody is incomplete
- Please specify Metals requested
- Please specify TCLP requested
- Received additional samples not listed on COC
- Sample IDs on containers do not match IDs on COC
- Client did not "X" analysis
- Chain of Custody is missing
- If no COC: Received by: _____
- If no COC: Date/Time: _____
- If no COC: Temp./Cont.Rec./pH: _____
- If no COC: Carrier: _____
- If no COC: Tracking #: _____
- Client informed by call
- Client informed by Email
- Client informed by Voicemail
- Date/Time: _____
- PM initials: _____
- Client Contact: _____

Comments

- Hailey Melson* 12 May 2022 9:18 AM

Received IDs: MW-181-051022 @1413, MW-183-051022 @1526, MW-184-051022 @1200 not listed on COC.
- Jared Starkey* 12 May 2022 1:04 PM

Please see attached COC for added IDs. Analyze nitrates asap. With timezone diff we can still get two of these in hold i believe.
- Hailey Melson* 12 May 2022 1:08 PM

Samples have been added.

PES Environmental, Inc.- WA

Sample Delivery Group: L1492498
Samples Received: 05/11/2022
Project Number: 443018-1413001.10.70
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
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 www.pacenational.com

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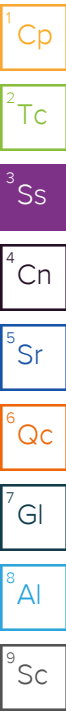
¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

MW-326-050922 L1492498-01 GW

Collected by Ben Hecht Collected date/time 05/09/22 09:35 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/13/22 02:07	05/13/22 02:07	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864055	1	05/17/22 01:34	05/17/22 01:34	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1865194	1	05/17/22 23:27	05/17/22 23:27	JHH	Mt. Juliet, TN



MW-325-050922 L1492498-02 GW

Collected by Ben Hecht Collected date/time 05/09/22 10:35 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/13/22 02:27	05/13/22 02:27	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864055	1	05/17/22 01:53	05/17/22 01:53	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1865194	1	05/17/22 23:09	05/17/22 23:09	JHH	Mt. Juliet, TN

MW-315-050922 L1492498-03 GW

Collected by Ben Hecht Collected date/time 05/09/22 12:30 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/13/22 02:46	05/13/22 02:46	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864055	1	05/17/22 02:12	05/17/22 02:12	JHH	Mt. Juliet, TN

MW-316-050922 L1492498-04 GW

Collected by Ben Hecht Collected date/time 05/09/22 15:10 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/13/22 03:05	05/13/22 03:05	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864055	1	05/17/22 02:31	05/17/22 02:31	JHH	Mt. Juliet, TN

MW-969-051022 L1492498-05 GW

Collected by Ben Hecht Collected date/time 05/10/22 09:45 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1871277	1	05/29/22 18:11	05/29/22 18:11	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1870724	1	05/28/22 23:39	05/28/22 23:39	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1864824	1	05/17/22 16:52	05/17/22 22:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865025	1	05/18/22 13:04	05/18/22 13:04	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	1	05/13/22 03:24	05/13/22 03:24	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864055	100	05/17/22 02:50	05/17/22 02:50	JHH	Mt. Juliet, TN

MW-179-051022 L1492498-06 GW

Collected by Ben Hecht Collected date/time 05/10/22 10:50 Received date/time 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1871277	1	05/29/22 19:01	05/29/22 19:01	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1870724	1	05/29/22 00:39	05/29/22 00:39	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1864824	1	05/17/22 16:52	05/17/22 22:23	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865025	1	05/18/22 13:09	05/18/22 13:09	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	50	05/13/22 03:44	05/13/22 03:44	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864055	10	05/17/22 03:09	05/17/22 03:09	JHH	Mt. Juliet, TN

SAMPLE SUMMARY

MW-178-051022 L1492498-07 GW

Collected by
Ben Hecht

Collected date/time
05/10/22 12:40

Received date/time
05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1871277	1	05/29/22 19:13	05/29/22 19:13	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1870724	1	05/29/22 01:02	05/29/22 01:02	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1864824	1	05/17/22 16:52	05/17/22 22:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865025	1	05/18/22 13:16	05/18/22 13:16	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865716	10	05/18/22 15:40	05/18/22 15:40	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	50	05/13/22 04:03	05/13/22 04:03	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864055	200	05/17/22 03:28	05/17/22 03:28	JHH	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-180-051022 L1492498-08 GW

Collected by
Ben Hecht

Collected date/time
05/10/22 13:45

Received date/time
05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1871277	1	05/29/22 19:26	05/29/22 19:26	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1870724	1	05/29/22 01:26	05/29/22 01:26	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1864824	1	05/17/22 16:52	05/17/22 22:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865025	1	05/18/22 13:22	05/18/22 13:22	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865716	10	05/18/22 15:43	05/18/22 15:43	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1862853	5	05/13/22 04:22	05/13/22 04:22	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864055	25	05/17/22 03:47	05/17/22 03:47	JHH	Mt. Juliet, TN

MW-177-051022 L1492498-09 GW

Collected by
Ben Hecht

Collected date/time
05/10/22 16:00

Received date/time
05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1871277	1	05/29/22 19:38	05/29/22 19:38	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1870724	1	05/29/22 01:44	05/29/22 01:44	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1864824	1	05/17/22 16:52	05/17/22 22:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865025	1	05/18/22 13:31	05/18/22 13:31	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865716	10	05/18/22 15:54	05/18/22 15:54	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864608	1	05/17/22 05:41	05/17/22 05:41	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1865976	200	05/19/22 16:04	05/19/22 16:04	BMB	Mt. Juliet, TN

MW-968-051022 L1492498-10 GW

Collected by
Ben Hecht

Collected date/time
05/10/22 09:00

Received date/time
05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1867545	1	05/22/22 09:13	05/22/22 09:13	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1862761	1	05/17/22 18:08	05/17/22 18:08	KEG	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1870724	1	05/29/22 02:00	05/29/22 02:00	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1864824	1	05/17/22 16:52	05/17/22 22:56	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1864798	1	05/17/22 19:39	05/17/22 19:39	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865025	1	05/18/22 13:44	05/18/22 13:44	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864608	1	05/17/22 05:59	05/17/22 05:59	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1865976	1	05/19/22 12:55	05/19/22 12:55	BMB	Mt. Juliet, TN

MW-301-051022 L1492498-11 GW

Collected by
Ben Hecht

Collected date/time
05/10/22 09:45

Received date/time
05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1867545	1	05/22/22 09:17	05/22/22 09:17	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1862761	1	05/17/22 18:39	05/17/22 18:39	KEG	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1870724	1	05/29/22 02:17	05/29/22 02:17	VRP	Mt. Juliet, TN

SAMPLE SUMMARY

MW-301-051022 L1492498-11 GW

Collected by: Ben Hecht
 Collected date/time: 05/10/22 09:45
 Received date/time: 05/11/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1864824	1	05/17/22 16:52	05/17/22 22:59	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1864798	1	05/17/22 20:03	05/17/22 20:03	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1865025	1	05/18/22 13:53	05/18/22 13:53	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1864608	1	05/17/22 06:18	05/17/22 06:18	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1865976	1	05/19/22 13:14	05/19/22 13:14	BMB	Mt. Juliet, TN

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

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	U	J4	0.548	1.00	1	05/13/2022 02:07	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 02:07	WG1862853
Benzene	U		0.0160	0.0400	1	05/13/2022 02:07	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/13/2022 02:07	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 02:07	WG1862853
Bromoform	U		0.239	1.00	1	05/13/2022 02:07	WG1862853
Bromomethane	U		0.148	0.500	1	05/13/2022 02:07	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 02:07	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 02:07	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 02:07	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 02:07	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 02:07	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 02:07	WG1862853
Chloroethane	U		0.0432	0.200	1	05/13/2022 02:07	WG1862853
Chloroform	U		0.0166	0.100	1	05/13/2022 02:07	WG1862853
Chloromethane	U		0.0556	0.500	1	05/13/2022 02:07	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 02:07	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 02:07	WG1862853
1,2-Dibromo-3-Chloropropane	U	J3	0.204	1.00	1	05/13/2022 02:07	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 02:07	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/13/2022 02:07	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 02:07	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 02:07	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 02:07	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 02:07	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 02:07	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 02:07	WG1862853
1,1-Dichloroethene	U		0.0200	0.100	1	05/13/2022 02:07	WG1862853
cis-1,2-Dichloroethene	6.59		0.0276	0.100	1	05/17/2022 23:27	WG1865194
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/13/2022 02:07	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 02:07	WG1862853
1,1-Dichloropropene	U		0.0280	0.100	1	05/13/2022 02:07	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 02:07	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 02:07	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 02:07	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 02:07	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 02:07	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 02:07	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 02:07	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 02:07	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 02:07	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 02:07	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 02:07	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/13/2022 02:07	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 02:07	WG1862853
Naphthalene	U	C3	0.124	0.500	1	05/13/2022 02:07	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 02:07	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 02:07	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 02:07	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 02:07	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 02:07	WG1862853
Tetrachloroethene	0.200		0.0280	0.100	1	05/17/2022 01:34	WG1864055
Toluene	U		0.0500	0.200	1	05/13/2022 02:07	WG1862853
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/13/2022 02:07	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 02:07	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 02:07	WG1862853

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 02:07	WG1862853
Trichloroethene	0.860		0.0160	0.0400	1	05/17/2022 01:34	WG1864055
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 02:07	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 02:07	WG1862853
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 02:07	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 02:07	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 02:07	WG1862853
Vinyl chloride	0.164		0.0273	0.100	1	05/17/2022 23:27	WG1865194
Xylenes, Total	U		0.191	0.260	1	05/13/2022 02:07	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 02:07	WG1862853
Tetrahydrofuran	U	<u>J4</u>	0.0900	0.500	1	05/13/2022 02:07	WG1862853
Iodomethane	U		0.242	0.500	1	05/13/2022 02:07	WG1862853
Allyl chloride	U		0.580	1.00	1	05/13/2022 02:07	WG1862853
Trans-1,4-Dichloro-2-butene	U	<u>J3</u>	0.0560	0.200	1	05/13/2022 02:07	WG1862853
(S) Toluene-d8	102			75.0-131		05/13/2022 02:07	WG1862853
(S) Toluene-d8	91.8			75.0-131		05/17/2022 01:34	WG1864055
(S) Toluene-d8	91.4			75.0-131		05/17/2022 23:27	WG1865194
(S) 4-Bromofluorobenzene	90.9			67.0-138		05/13/2022 02:07	WG1862853
(S) 4-Bromofluorobenzene	106			67.0-138		05/17/2022 01:34	WG1864055
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2022 23:27	WG1865194
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/13/2022 02:07	WG1862853
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/17/2022 01:34	WG1864055
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/17/2022 23:27	WG1865194

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

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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	J4	0.548	1.00	1	05/13/2022 02:27	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 02:27	WG1862853
Benzene	U		0.0160	0.0400	1	05/13/2022 02:27	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/13/2022 02:27	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 02:27	WG1862853
Bromoform	U		0.239	1.00	1	05/13/2022 02:27	WG1862853
Bromomethane	U		0.148	0.500	1	05/13/2022 02:27	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 02:27	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 02:27	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 02:27	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 02:27	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 02:27	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 02:27	WG1862853
Chloroethane	U		0.0432	0.200	1	05/13/2022 02:27	WG1862853
Chloroform	U		0.0166	0.100	1	05/13/2022 02:27	WG1862853
Chloromethane	U		0.0556	0.500	1	05/13/2022 02:27	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 02:27	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 02:27	WG1862853
1,2-Dibromo-3-Chloropropane	U	J3	0.204	1.00	1	05/13/2022 02:27	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 02:27	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/13/2022 02:27	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 02:27	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 02:27	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 02:27	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 02:27	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 02:27	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 02:27	WG1862853
1,1-Dichloroethene	U		0.0200	0.100	1	05/13/2022 02:27	WG1862853
cis-1,2-Dichloroethene	1.10		0.0276	0.100	1	05/17/2022 23:09	WG1865194
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/13/2022 02:27	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 02:27	WG1862853
1,1-Dichloropropene	U		0.0280	0.100	1	05/13/2022 02:27	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 02:27	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 02:27	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 02:27	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 02:27	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 02:27	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 02:27	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 02:27	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 02:27	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 02:27	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 02:27	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 02:27	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/13/2022 02:27	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 02:27	WG1862853
Naphthalene	U	C3	0.124	0.500	1	05/13/2022 02:27	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 02:27	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 02:27	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 02:27	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 02:27	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 02:27	WG1862853
Tetrachloroethene	U		0.0280	0.100	1	05/17/2022 01:53	WG1864055
Toluene	U		0.0500	0.200	1	05/13/2022 02:27	WG1862853
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/13/2022 02:27	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 02:27	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 02:27	WG1862853

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 02:27	WG1862853
Trichloroethene	U		0.0160	0.0400	1	05/13/2022 02:27	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 02:27	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 02:27	WG1862853
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 02:27	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 02:27	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 02:27	WG1862853
Vinyl chloride	U		0.0273	0.100	1	05/17/2022 01:53	WG1864055
Xylenes, Total	U		0.191	0.260	1	05/13/2022 02:27	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 02:27	WG1862853
Tetrahydrofuran	U	<u>J4</u>	0.0900	0.500	1	05/13/2022 02:27	WG1862853
Iodomethane	U		0.242	0.500	1	05/13/2022 02:27	WG1862853
Allyl chloride	U		0.580	1.00	1	05/13/2022 02:27	WG1862853
Trans-1,4-Dichloro-2-butene	U	<u>J3</u>	0.0560	0.200	1	05/13/2022 02:27	WG1862853
(S) Toluene-d8	105			75.0-131		05/13/2022 02:27	WG1862853
(S) Toluene-d8	91.6			75.0-131		05/17/2022 01:53	WG1864055
(S) Toluene-d8	89.4			75.0-131		05/17/2022 23:09	WG1865194
(S) 4-Bromofluorobenzene	91.6			67.0-138		05/13/2022 02:27	WG1862853
(S) 4-Bromofluorobenzene	104			67.0-138		05/17/2022 01:53	WG1864055
(S) 4-Bromofluorobenzene	101			67.0-138		05/17/2022 23:09	WG1865194
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/13/2022 02:27	WG1862853
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/17/2022 01:53	WG1864055
(S) 1,2-Dichloroethane-d4	117			70.0-130		05/17/2022 23:09	WG1865194

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

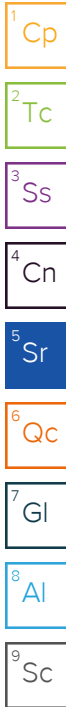
7
Gl

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	2.75	<u>C5 J4</u>	0.548	1.00	1	05/13/2022 02:46	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 02:46	WG1862853
Benzene	U		0.0160	0.0400	1	05/13/2022 02:46	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/13/2022 02:46	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 02:46	WG1862853
Bromoform	U		0.239	1.00	1	05/13/2022 02:46	WG1862853
Bromomethane	U		0.148	0.500	1	05/13/2022 02:46	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 02:46	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 02:46	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 02:46	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 02:46	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 02:46	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 02:46	WG1862853
Chloroethane	U		0.0432	0.200	1	05/13/2022 02:46	WG1862853
Chloroform	U		0.0166	0.100	1	05/13/2022 02:46	WG1862853
Chloromethane	U		0.0556	0.500	1	05/13/2022 02:46	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 02:46	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 02:46	WG1862853
1,2-Dibromo-3-Chloropropane	U	<u>J3</u>	0.204	1.00	1	05/13/2022 02:46	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 02:46	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/13/2022 02:46	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 02:46	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 02:46	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 02:46	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 02:46	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 02:46	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 02:46	WG1862853
1,1-Dichloroethene	U		0.0200	0.100	1	05/13/2022 02:46	WG1862853
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/17/2022 02:12	WG1864055
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/13/2022 02:46	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 02:46	WG1862853
1,1-Dichloropropene	U		0.0280	0.100	1	05/13/2022 02:46	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 02:46	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 02:46	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 02:46	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 02:46	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 02:46	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 02:46	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 02:46	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 02:46	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 02:46	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 02:46	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 02:46	WG1862853
4-Methyl-2-pentanone (MIBK)	U	<u>J4</u>	0.400	1.00	1	05/13/2022 02:46	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 02:46	WG1862853
Naphthalene	U	<u>C3</u>	0.124	0.500	1	05/13/2022 02:46	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 02:46	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 02:46	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 02:46	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 02:46	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 02:46	WG1862853
Tetrachloroethene	U		0.0280	0.100	1	05/13/2022 02:46	WG1862853
Toluene	0.0560	<u>J</u>	0.0500	0.200	1	05/13/2022 02:46	WG1862853
1,2,3-Trichlorobenzene	U	<u>C3</u>	0.0250	0.500	1	05/13/2022 02:46	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 02:46	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 02:46	WG1862853



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	05/13/2022 02:46	WG1862853
Trichloroethene	U		0.0160	0.0400	1	05/13/2022 02:46	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 02:46	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 02:46	WG1862853
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 02:46	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 02:46	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 02:46	WG1862853
Vinyl chloride	U		0.0273	0.100	1	05/17/2022 02:12	WG1864055
Xylenes, Total	U		0.191	0.260	1	05/13/2022 02:46	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 02:46	WG1862853
Tetrahydrofuran	U	<u>J4</u>	0.0900	0.500	1	05/13/2022 02:46	WG1862853
Iodomethane	U		0.242	0.500	1	05/13/2022 02:46	WG1862853
Allyl chloride	U		0.580	1.00	1	05/13/2022 02:46	WG1862853
Trans-1,4-Dichloro-2-butene	U	<u>J3</u>	0.0560	0.200	1	05/13/2022 02:46	WG1862853
(S) Toluene-d8	104			75.0-131		05/13/2022 02:46	WG1862853
(S) Toluene-d8	91.0			75.0-131		05/17/2022 02:12	WG1864055
(S) 4-Bromofluorobenzene	94.5			67.0-138		05/13/2022 02:46	WG1862853
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2022 02:12	WG1864055
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/13/2022 02:46	WG1862853
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/17/2022 02:12	WG1864055

1
Cp

2
Tc

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Ss

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Cn

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Sr

6
Qc

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Gl

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Al

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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	<u>J4</u>	0.548	1.00	1	05/13/2022 03:05	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 03:05	WG1862853
Benzene	U		0.0160	0.0400	1	05/13/2022 03:05	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/13/2022 03:05	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 03:05	WG1862853
Bromoform	U		0.239	1.00	1	05/13/2022 03:05	WG1862853
Bromomethane	U		0.148	0.500	1	05/13/2022 03:05	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 03:05	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 03:05	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 03:05	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 03:05	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 03:05	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 03:05	WG1862853
Chloroethane	U		0.0432	0.200	1	05/13/2022 03:05	WG1862853
Chloroform	U		0.0166	0.100	1	05/13/2022 03:05	WG1862853
Chloromethane	U		0.0556	0.500	1	05/13/2022 03:05	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 03:05	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 03:05	WG1862853
1,2-Dibromo-3-Chloropropane	U	<u>J3</u>	0.204	1.00	1	05/13/2022 03:05	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 03:05	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/13/2022 03:05	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 03:05	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 03:05	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 03:05	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 03:05	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 03:05	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 03:05	WG1862853
1,1-Dichloroethene	U		0.0200	0.100	1	05/13/2022 03:05	WG1862853
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/17/2022 02:31	WG1864055
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/13/2022 03:05	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 03:05	WG1862853
1,1-Dichloropropene	U		0.0280	0.100	1	05/13/2022 03:05	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 03:05	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 03:05	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 03:05	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 03:05	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 03:05	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 03:05	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 03:05	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 03:05	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 03:05	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 03:05	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 03:05	WG1862853
4-Methyl-2-pentanone (MIBK)	U	<u>J4</u>	0.400	1.00	1	05/13/2022 03:05	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 03:05	WG1862853
Naphthalene	U	<u>C3</u>	0.124	0.500	1	05/13/2022 03:05	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 03:05	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 03:05	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 03:05	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 03:05	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 03:05	WG1862853
Tetrachloroethene	0.0340	<u>J</u>	0.0280	0.100	1	05/17/2022 02:31	WG1864055
Toluene	U		0.0500	0.200	1	05/13/2022 03:05	WG1862853
1,2,3-Trichlorobenzene	U	<u>C3</u>	0.0250	0.500	1	05/13/2022 03:05	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 03:05	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 03:05	WG1862853

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 03:05	WG1862853
Trichloroethene	U		0.0160	0.0400	1	05/13/2022 03:05	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 03:05	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 03:05	WG1862853
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/13/2022 03:05	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 03:05	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 03:05	WG1862853
Vinyl chloride	U		0.0273	0.100	1	05/17/2022 02:31	WG1864055
Xylenes, Total	U		0.191	0.260	1	05/13/2022 03:05	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 03:05	WG1862853
Tetrahydrofuran	U	<u>J4</u>	0.0900	0.500	1	05/13/2022 03:05	WG1862853
Iodomethane	U		0.242	0.500	1	05/13/2022 03:05	WG1862853
Allyl chloride	U		0.580	1.00	1	05/13/2022 03:05	WG1862853
Trans-1,4-Dichloro-2-butene	U	<u>J3</u>	0.0560	0.200	1	05/13/2022 03:05	WG1862853
(S) Toluene-d8	102			75.0-131		05/13/2022 03:05	WG1862853
(S) Toluene-d8	90.6			75.0-131		05/17/2022 02:31	WG1864055
(S) 4-Bromofluorobenzene	94.3			67.0-138		05/13/2022 03:05	WG1862853
(S) 4-Bromofluorobenzene	106			67.0-138		05/17/2022 02:31	WG1864055
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/13/2022 03:05	WG1862853
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/17/2022 02:31	WG1864055

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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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	811	J	594	5000	1	05/29/2022 18:11	WG1871277

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)	24800		102	1000	1	05/28/2022 23:39	WG1870724

Metals (ICPMS) by Method 6020B

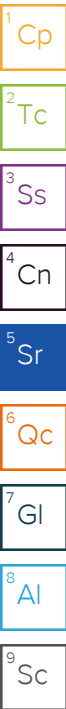
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	13700		28.1	100	1	05/17/2022 22:19	WG1864824
Manganese	2280		0.704	5.00	1	05/17/2022 22:19	WG1864824

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6350		0.287	0.678	1	05/18/2022 13:04	WG1865025
Ethane	118		0.296	1.29	1	05/18/2022 13:04	WG1865025
Ethene	296		0.422	1.27	1	05/18/2022 13:04	WG1865025

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	13.0	C5 J4	0.548	1.00	1	05/13/2022 03:24	WG1862853
Acrylonitrile	U		0.0760	0.500	1	05/13/2022 03:24	WG1862853
Benzene	0.296		0.0160	0.0400	1	05/13/2022 03:24	WG1862853
Bromobenzene	U		0.0420	0.500	1	05/13/2022 03:24	WG1862853
Bromodichloromethane	U		0.0315	0.100	1	05/13/2022 03:24	WG1862853
Bromoform	U		0.239	1.00	1	05/13/2022 03:24	WG1862853
Bromomethane	U		0.148	0.500	1	05/13/2022 03:24	WG1862853
n-Butylbenzene	U		0.153	0.500	1	05/13/2022 03:24	WG1862853
sec-Butylbenzene	U		0.101	0.500	1	05/13/2022 03:24	WG1862853
tert-Butylbenzene	U		0.0620	0.200	1	05/13/2022 03:24	WG1862853
Carbon tetrachloride	U		0.0432	0.200	1	05/13/2022 03:24	WG1862853
Chlorobenzene	U		0.0229	0.100	1	05/13/2022 03:24	WG1862853
Chlorodibromomethane	U		0.0180	0.100	1	05/13/2022 03:24	WG1862853
Chloroethane	U		0.0432	0.200	1	05/13/2022 03:24	WG1862853
Chloroform	U		0.0166	0.100	1	05/13/2022 03:24	WG1862853
Chloromethane	U		0.0556	0.500	1	05/13/2022 03:24	WG1862853
2-Chlorotoluene	U		0.0368	0.100	1	05/13/2022 03:24	WG1862853
4-Chlorotoluene	U		0.0452	0.200	1	05/13/2022 03:24	WG1862853
1,2-Dibromo-3-Chloropropane	U	J3	0.204	1.00	1	05/13/2022 03:24	WG1862853
1,2-Dibromoethane	U		0.0210	0.100	1	05/13/2022 03:24	WG1862853
Dibromomethane	U		0.0400	0.200	1	05/13/2022 03:24	WG1862853
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/13/2022 03:24	WG1862853
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/13/2022 03:24	WG1862853
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/13/2022 03:24	WG1862853
Dichlorodifluoromethane	U		0.0327	0.100	1	05/13/2022 03:24	WG1862853
1,1-Dichloroethane	U		0.0230	0.100	1	05/13/2022 03:24	WG1862853
1,2-Dichloroethane	U		0.0190	0.100	1	05/13/2022 03:24	WG1862853
1,1-Dichloroethene	8.47		0.0200	0.100	1	05/13/2022 03:24	WG1862853
cis-1,2-Dichloroethene	6310		2.76	10.0	100	05/17/2022 02:50	WG1864055
trans-1,2-Dichloroethene	44.6		0.0572	0.200	1	05/13/2022 03:24	WG1862853
1,2-Dichloropropane	U		0.0508	0.200	1	05/13/2022 03:24	WG1862853



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	05/13/2022 03:24	WG1862853
1,3-Dichloropropane	U		0.0700	0.200	1	05/13/2022 03:24	WG1862853
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/13/2022 03:24	WG1862853
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/13/2022 03:24	WG1862853
2,2-Dichloropropane	U		0.0317	0.100	1	05/13/2022 03:24	WG1862853
Di-isopropyl ether	U		0.0140	0.0400	1	05/13/2022 03:24	WG1862853
Ethylbenzene	U		0.0212	0.100	1	05/13/2022 03:24	WG1862853
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/13/2022 03:24	WG1862853
Isopropylbenzene	U		0.0345	0.100	1	05/13/2022 03:24	WG1862853
p-Isopropyltoluene	U		0.0932	0.200	1	05/13/2022 03:24	WG1862853
2-Butanone (MEK)	U		0.500	1.00	1	05/13/2022 03:24	WG1862853
Methylene Chloride	U		0.265	1.00	1	05/13/2022 03:24	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/13/2022 03:24	WG1862853
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/13/2022 03:24	WG1862853
Naphthalene	U	C3	0.124	0.500	1	05/13/2022 03:24	WG1862853
n-Propylbenzene	U		0.0472	0.200	1	05/13/2022 03:24	WG1862853
Styrene	U		0.109	0.500	1	05/13/2022 03:24	WG1862853
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/13/2022 03:24	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/13/2022 03:24	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/13/2022 03:24	WG1862853
Tetrachloroethene	50.8	C5	0.0280	0.100	1	05/13/2022 03:24	WG1862853
Toluene	1.27		0.0500	0.200	1	05/13/2022 03:24	WG1862853
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/13/2022 03:24	WG1862853
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/13/2022 03:24	WG1862853
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/13/2022 03:24	WG1862853
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/13/2022 03:24	WG1862853
Trichloroethene	38.9		0.0160	0.0400	1	05/13/2022 03:24	WG1862853
Trichlorofluoromethane	U		0.0200	0.100	1	05/13/2022 03:24	WG1862853
1,2,3-Trichloropropane	U		0.204	0.500	1	05/13/2022 03:24	WG1862853
1,2,4-Trimethylbenzene	0.222		0.0464	0.200	1	05/13/2022 03:24	WG1862853
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/13/2022 03:24	WG1862853
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/13/2022 03:24	WG1862853
Vinyl chloride	3180		2.73	10.0	100	05/17/2022 02:50	WG1864055
Xylenes, Total	0.246	J	0.191	0.260	1	05/13/2022 03:24	WG1862853
Ethyl Ether	U		0.0170	0.100	1	05/13/2022 03:24	WG1862853
Tetrahydrofuran	7.07	C5 J4	0.0900	0.500	1	05/13/2022 03:24	WG1862853
Iodomethane	U		0.242	0.500	1	05/13/2022 03:24	WG1862853
Allyl chloride	U		0.580	1.00	1	05/13/2022 03:24	WG1862853
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	05/13/2022 03:24	WG1862853
(S) Toluene-d8	104			75.0-131		05/13/2022 03:24	WG1862853
(S) Toluene-d8	91.4			75.0-131		05/17/2022 02:50	WG1864055
(S) 4-Bromofluorobenzene	94.3			67.0-138		05/13/2022 03:24	WG1862853
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2022 02:50	WG1864055
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/13/2022 03:24	WG1862853
(S) 1,2-Dichloroethane-d4	114			70.0-130		05/17/2022 02:50	WG1864055

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	701	J	594	5000	1	05/29/2022 19:01	WG1871277

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)	22500		102	1000	1	05/29/2022 00:39	WG1870724

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	14100		28.1	100	1	05/17/2022 22:23	WG1864824
Manganese	2670		0.704	5.00	1	05/17/2022 22:23	WG1864824

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4030		0.287	0.678	1	05/18/2022 13:09	WG1865025
Ethane	4.59		0.296	1.29	1	05/18/2022 13:09	WG1865025
Ethene	63.9		0.422	1.27	1	05/18/2022 13:09	WG1865025

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	24.0		5.48	10.0	10	05/17/2022 03:09	WG1864055
Acrylonitrile	U	C3	0.760	5.00	10	05/17/2022 03:09	WG1864055
Benzene	U		0.160	0.400	10	05/17/2022 03:09	WG1864055
Bromobenzene	U		0.420	5.00	10	05/17/2022 03:09	WG1864055
Bromodichloromethane	U		0.315	1.00	10	05/17/2022 03:09	WG1864055
Bromoform	U	C3	2.39	10.0	10	05/17/2022 03:09	WG1864055
Bromomethane	U		1.48	5.00	10	05/17/2022 03:09	WG1864055
n-Butylbenzene	U		1.53	5.00	10	05/17/2022 03:09	WG1864055
sec-Butylbenzene	U		1.01	5.00	10	05/17/2022 03:09	WG1864055
tert-Butylbenzene	U		0.620	2.00	10	05/17/2022 03:09	WG1864055
Carbon tetrachloride	U		0.432	2.00	10	05/17/2022 03:09	WG1864055
Chlorobenzene	U		0.229	1.00	10	05/17/2022 03:09	WG1864055
Chlorodibromomethane	U		0.180	1.00	10	05/17/2022 03:09	WG1864055
Chloroethane	57.6		0.432	2.00	10	05/17/2022 03:09	WG1864055
Chloroform	U		0.166	1.00	10	05/17/2022 03:09	WG1864055
Chloromethane	U		0.556	5.00	10	05/17/2022 03:09	WG1864055
2-Chlorotoluene	U		0.368	1.00	10	05/17/2022 03:09	WG1864055
4-Chlorotoluene	U		0.452	2.00	10	05/17/2022 03:09	WG1864055
1,2-Dibromo-3-Chloropropane	U	C3	2.04	10.0	10	05/17/2022 03:09	WG1864055
1,2-Dibromoethane	U		0.210	1.00	10	05/17/2022 03:09	WG1864055
Dibromomethane	U		0.400	2.00	10	05/17/2022 03:09	WG1864055
1,2-Dichlorobenzene	U		0.580	2.00	10	05/17/2022 03:09	WG1864055
1,3-Dichlorobenzene	U		0.680	2.00	10	05/17/2022 03:09	WG1864055
1,4-Dichlorobenzene	U		0.788	2.00	10	05/17/2022 03:09	WG1864055
Dichlorodifluoromethane	U		0.327	1.00	10	05/17/2022 03:09	WG1864055
1,1-Dichloroethane	U		0.230	1.00	10	05/17/2022 03:09	WG1864055
1,2-Dichloroethane	U		0.190	1.00	10	05/17/2022 03:09	WG1864055
1,1-Dichloroethene	2.78		0.200	1.00	10	05/17/2022 03:09	WG1864055
cis-1,2-Dichloroethene	654		0.276	1.00	10	05/17/2022 03:09	WG1864055
trans-1,2-Dichloroethene	5.71		0.572	2.00	10	05/17/2022 03:09	WG1864055
1,2-Dichloropropane	U		0.508	2.00	10	05/17/2022 03:09	WG1864055

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
1,1-Dichloropropene	U		0.280	1.00	10	05/17/2022 03:09	WG1864055
1,3-Dichloropropane	U		0.700	2.00	10	05/17/2022 03:09	WG1864055
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/17/2022 03:09	WG1864055
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/17/2022 03:09	WG1864055
2,2-Dichloropropane	U	J4	0.317	1.00	10	05/17/2022 03:09	WG1864055
Di-isopropyl ether	U		0.140	0.400	10	05/17/2022 03:09	WG1864055
Ethylbenzene	U		0.212	1.00	10	05/17/2022 03:09	WG1864055
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/17/2022 03:09	WG1864055
Isopropylbenzene	U		0.345	1.00	10	05/17/2022 03:09	WG1864055
p-Isopropyltoluene	U		0.932	2.00	10	05/17/2022 03:09	WG1864055
2-Butanone (MEK)	U		5.00	10.0	10	05/17/2022 03:09	WG1864055
Methylene Chloride	U		2.65	10.0	10	05/17/2022 03:09	WG1864055
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/17/2022 03:09	WG1864055
Methyl tert-butyl ether	U		0.118	0.400	10	05/17/2022 03:09	WG1864055
Naphthalene	U	C3	1.24	5.00	10	05/17/2022 03:09	WG1864055
n-Propylbenzene	U		0.472	2.00	10	05/17/2022 03:09	WG1864055
Styrene	U		1.09	5.00	10	05/17/2022 03:09	WG1864055
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/17/2022 03:09	WG1864055
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/17/2022 03:09	WG1864055
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/17/2022 03:09	WG1864055
Tetrachloroethene	11.4		0.280	1.00	10	05/17/2022 03:09	WG1864055
Toluene	0.650	J	0.500	2.00	10	05/17/2022 03:09	WG1864055
1,2,3-Trichlorobenzene	U	C4 J4	0.250	5.00	10	05/17/2022 03:09	WG1864055
1,2,4-Trichlorobenzene	U	C4	1.93	5.00	10	05/17/2022 03:09	WG1864055
1,1,1-Trichloroethane	U	J4	0.110	1.00	10	05/17/2022 03:09	WG1864055
1,1,2-Trichloroethane	U		0.353	1.00	10	05/17/2022 03:09	WG1864055
Trichloroethene	8.87		0.160	0.400	10	05/17/2022 03:09	WG1864055
Trichlorofluoromethane	U		0.200	1.00	10	05/17/2022 03:09	WG1864055
1,2,3-Trichloropropane	U		2.04	5.00	10	05/17/2022 03:09	WG1864055
1,2,4-Trimethylbenzene	U		0.464	2.00	10	05/17/2022 03:09	WG1864055
1,2,3-Trimethylbenzene	U		0.460	2.00	10	05/17/2022 03:09	WG1864055
1,3,5-Trimethylbenzene	U		0.432	2.00	10	05/17/2022 03:09	WG1864055
Vinyl chloride	1940		1.36	5.00	50	05/13/2022 03:44	WG1862853
Xylenes, Total	U		1.91	2.60	10	05/17/2022 03:09	WG1864055
Ethyl Ether	U		0.170	1.00	10	05/17/2022 03:09	WG1864055
Tetrahydrofuran	U		0.900	5.00	10	05/17/2022 03:09	WG1864055
Iodomethane	U		2.42	5.00	10	05/17/2022 03:09	WG1864055
Allyl chloride	U		5.80	10.0	10	05/17/2022 03:09	WG1864055
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/17/2022 03:09	WG1864055
(S) Toluene-d8	104			75.0-131		05/13/2022 03:44	WG1862853
(S) Toluene-d8	91.3			75.0-131		05/17/2022 03:09	WG1864055
(S) 4-Bromofluorobenzene	93.6			67.0-138		05/13/2022 03:44	WG1862853
(S) 4-Bromofluorobenzene	106			67.0-138		05/17/2022 03:09	WG1864055
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/13/2022 03:44	WG1862853
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/17/2022 03:09	WG1864055

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	864	J	594	5000	1	05/29/2022 19:13	WG1871277

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)	24700		102	1000	1	05/29/2022 01:02	WG1870724

Metals (ICPMS) by Method 6020B

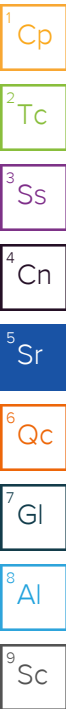
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	13500		28.1	100	1	05/17/2022 22:26	WG1864824
Manganese	2250		0.704	5.00	1	05/17/2022 22:26	WG1864824

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	11700		2.87	6.78	10	05/18/2022 15:40	WG1865716
Ethane	150		0.296	1.29	1	05/18/2022 13:16	WG1865025
Ethene	370		0.422	1.27	1	05/18/2022 13:16	WG1865025

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	241	C5 J4	27.4	50.0	50	05/13/2022 04:03	WG1862853
Acrylonitrile	U		3.80	25.0	50	05/13/2022 04:03	WG1862853
Benzene	U		0.800	2.00	50	05/13/2022 04:03	WG1862853
Bromobenzene	U		2.10	25.0	50	05/13/2022 04:03	WG1862853
Bromodichloromethane	U		1.58	5.00	50	05/13/2022 04:03	WG1862853
Bromoform	U		12.0	50.0	50	05/13/2022 04:03	WG1862853
Bromomethane	U		7.40	25.0	50	05/13/2022 04:03	WG1862853
n-Butylbenzene	U		7.65	25.0	50	05/13/2022 04:03	WG1862853
sec-Butylbenzene	U		5.05	25.0	50	05/13/2022 04:03	WG1862853
tert-Butylbenzene	U		3.10	10.0	50	05/13/2022 04:03	WG1862853
Carbon tetrachloride	U		2.16	10.0	50	05/13/2022 04:03	WG1862853
Chlorobenzene	U		1.15	5.00	50	05/13/2022 04:03	WG1862853
Chlorodibromomethane	U		0.900	5.00	50	05/13/2022 04:03	WG1862853
Chloroethane	U		2.16	10.0	50	05/13/2022 04:03	WG1862853
Chloroform	U		0.830	5.00	50	05/13/2022 04:03	WG1862853
Chloromethane	U		2.78	25.0	50	05/13/2022 04:03	WG1862853
2-Chlorotoluene	U		1.84	5.00	50	05/13/2022 04:03	WG1862853
4-Chlorotoluene	U		2.26	10.0	50	05/13/2022 04:03	WG1862853
1,2-Dibromo-3-Chloropropane	U	J3	10.2	50.0	50	05/13/2022 04:03	WG1862853
1,2-Dibromoethane	U		1.05	5.00	50	05/13/2022 04:03	WG1862853
Dibromomethane	U		2.00	10.0	50	05/13/2022 04:03	WG1862853
1,2-Dichlorobenzene	U		2.90	10.0	50	05/13/2022 04:03	WG1862853
1,3-Dichlorobenzene	U		3.40	10.0	50	05/13/2022 04:03	WG1862853
1,4-Dichlorobenzene	U		3.94	10.0	50	05/13/2022 04:03	WG1862853
Dichlorodifluoromethane	U		1.64	5.00	50	05/13/2022 04:03	WG1862853
1,1-Dichloroethane	U		1.15	5.00	50	05/13/2022 04:03	WG1862853
1,2-Dichloroethane	U		0.950	5.00	50	05/13/2022 04:03	WG1862853
1,1-Dichloroethene	U		1.00	5.00	50	05/13/2022 04:03	WG1862853
cis-1,2-Dichloroethene	5930		5.52	20.0	200	05/17/2022 03:28	WG1864055
trans-1,2-Dichloroethene	43.7		2.86	10.0	50	05/13/2022 04:03	WG1862853
1,2-Dichloropropane	U		2.54	10.0	50	05/13/2022 04:03	WG1862853



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		1.40	5.00	50	05/13/2022 04:03	WG1862853
1,3-Dichloropropane	U		3.50	10.0	50	05/13/2022 04:03	WG1862853
cis-1,3-Dichloropropene	U		1.36	5.00	50	05/13/2022 04:03	WG1862853
trans-1,3-Dichloropropene	U		3.06	10.0	50	05/13/2022 04:03	WG1862853
2,2-Dichloropropane	U		1.59	5.00	50	05/13/2022 04:03	WG1862853
Di-isopropyl ether	U		0.700	2.00	50	05/13/2022 04:03	WG1862853
Ethylbenzene	U		1.06	5.00	50	05/13/2022 04:03	WG1862853
Hexachloro-1,3-butadiene	U		25.4	50.0	50	05/13/2022 04:03	WG1862853
Isopropylbenzene	U		1.73	5.00	50	05/13/2022 04:03	WG1862853
p-Isopropyltoluene	U		4.66	10.0	50	05/13/2022 04:03	WG1862853
2-Butanone (MEK)	U		25.0	50.0	50	05/13/2022 04:03	WG1862853
Methylene Chloride	U		13.3	50.0	50	05/13/2022 04:03	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	20.0	50.0	50	05/13/2022 04:03	WG1862853
Methyl tert-butyl ether	U		0.590	2.00	50	05/13/2022 04:03	WG1862853
Naphthalene	U	C3	6.20	25.0	50	05/13/2022 04:03	WG1862853
n-Propylbenzene	U		2.36	10.0	50	05/13/2022 04:03	WG1862853
Styrene	U		5.45	25.0	50	05/13/2022 04:03	WG1862853
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	05/13/2022 04:03	WG1862853
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	05/13/2022 04:03	WG1862853
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	05/13/2022 04:03	WG1862853
Tetrachloroethene	46.9	C5	1.40	5.00	50	05/13/2022 04:03	WG1862853
Toluene	U		2.50	10.0	50	05/13/2022 04:03	WG1862853
1,2,3-Trichlorobenzene	U	C3	1.25	25.0	50	05/13/2022 04:03	WG1862853
1,2,4-Trichlorobenzene	U		9.65	25.0	50	05/13/2022 04:03	WG1862853
1,1,1-Trichloroethane	U		0.550	5.00	50	05/13/2022 04:03	WG1862853
1,1,2-Trichloroethane	U		1.77	5.00	50	05/13/2022 04:03	WG1862853
Trichloroethene	31.7		0.800	2.00	50	05/13/2022 04:03	WG1862853
Trichlorofluoromethane	U		1.00	5.00	50	05/13/2022 04:03	WG1862853
1,2,3-Trichloropropane	U		10.2	25.0	50	05/13/2022 04:03	WG1862853
1,2,4-Trimethylbenzene	U		2.32	10.0	50	05/13/2022 04:03	WG1862853
1,2,3-Trimethylbenzene	U		2.30	10.0	50	05/13/2022 04:03	WG1862853
1,3,5-Trimethylbenzene	U		2.16	10.0	50	05/13/2022 04:03	WG1862853
Vinyl chloride	3230		1.36	5.00	50	05/13/2022 04:03	WG1862853
Xylenes, Total	U		9.55	13.0	50	05/13/2022 04:03	WG1862853
Ethyl Ether	U		0.850	5.00	50	05/13/2022 04:03	WG1862853
Tetrahydrofuran	U	J4	4.50	25.0	50	05/13/2022 04:03	WG1862853
Iodomethane	U		12.1	25.0	50	05/13/2022 04:03	WG1862853
Allyl chloride	U		29.0	50.0	50	05/13/2022 04:03	WG1862853
Trans-1,4-Dichloro-2-butene	U	J3	2.80	10.0	50	05/13/2022 04:03	WG1862853
(S) Toluene-d8	102			75.0-131		05/13/2022 04:03	WG1862853
(S) Toluene-d8	92.0			75.0-131		05/17/2022 03:28	WG1864055
(S) 4-Bromofluorobenzene	91.9			67.0-138		05/13/2022 04:03	WG1862853
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2022 03:28	WG1864055
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/13/2022 04:03	WG1862853
(S) 1,2-Dichloroethane-d4	112			70.0-130		05/17/2022 03:28	WG1864055

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	24500		594	5000	1	05/29/2022 19:26	WG1871277

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)	27700		102	1000	1	05/29/2022 01:26	WG1870724

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	18700		28.1	100	1	05/17/2022 22:29	WG1864824
Manganese	6080		0.704	5.00	1	05/17/2022 22:29	WG1864824

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	12500		2.87	6.78	10	05/18/2022 15:43	WG1865716
Ethane	28.1		0.296	1.29	1	05/18/2022 13:22	WG1865025
Ethene	83.4		0.422	1.27	1	05/18/2022 13:22	WG1865025

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	63.0		13.7	25.0	25	05/17/2022 03:47	WG1864055
Acrylonitrile	U		0.380	2.50	5	05/13/2022 04:22	WG1862853
Benzene	U		0.0800	0.200	5	05/13/2022 04:22	WG1862853
Bromobenzene	U		0.210	2.50	5	05/13/2022 04:22	WG1862853
Bromodichloromethane	U		0.158	0.500	5	05/13/2022 04:22	WG1862853
Bromoform	U		1.20	5.00	5	05/13/2022 04:22	WG1862853
Bromomethane	U		0.740	2.50	5	05/13/2022 04:22	WG1862853
n-Butylbenzene	U		0.765	2.50	5	05/13/2022 04:22	WG1862853
sec-Butylbenzene	U		0.505	2.50	5	05/13/2022 04:22	WG1862853
tert-Butylbenzene	U		0.310	1.00	5	05/13/2022 04:22	WG1862853
Carbon tetrachloride	U		0.216	1.00	5	05/13/2022 04:22	WG1862853
Chlorobenzene	U		0.115	0.500	5	05/13/2022 04:22	WG1862853
Chlorodibromomethane	U		0.0900	0.500	5	05/13/2022 04:22	WG1862853
Chloroethane	U		0.216	1.00	5	05/13/2022 04:22	WG1862853
Chloroform	U		0.0830	0.500	5	05/13/2022 04:22	WG1862853
Chloromethane	U		0.278	2.50	5	05/13/2022 04:22	WG1862853
2-Chlorotoluene	U		0.184	0.500	5	05/13/2022 04:22	WG1862853
4-Chlorotoluene	U		0.226	1.00	5	05/13/2022 04:22	WG1862853
1,2-Dibromo-3-Chloropropane	U	<u>J3</u>	1.02	5.00	5	05/13/2022 04:22	WG1862853
1,2-Dibromoethane	U		0.105	0.500	5	05/13/2022 04:22	WG1862853
Dibromomethane	U		0.200	1.00	5	05/13/2022 04:22	WG1862853
1,2-Dichlorobenzene	U		0.290	1.00	5	05/13/2022 04:22	WG1862853
1,3-Dichlorobenzene	U		0.340	1.00	5	05/13/2022 04:22	WG1862853
1,4-Dichlorobenzene	U		0.394	1.00	5	05/13/2022 04:22	WG1862853
Dichlorodifluoromethane	U		0.164	0.500	5	05/13/2022 04:22	WG1862853
1,1-Dichloroethane	U		0.115	0.500	5	05/13/2022 04:22	WG1862853
1,2-Dichloroethane	U		0.0950	0.500	5	05/13/2022 04:22	WG1862853
1,1-Dichloroethene	U		0.100	0.500	5	05/13/2022 04:22	WG1862853
cis-1,2-Dichloroethene	556		0.690	2.50	25	05/17/2022 03:47	WG1864055
trans-1,2-Dichloroethene	3.53		0.286	1.00	5	05/13/2022 04:22	WG1862853
1,2-Dichloropropane	U		0.254	1.00	5	05/13/2022 04:22	WG1862853

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	
1,1-Dichloropropene	U		0.140	0.500	5	05/13/2022 04:22	WG1862853
1,3-Dichloropropane	U		0.350	1.00	5	05/13/2022 04:22	WG1862853
cis-1,3-Dichloropropene	U		0.136	0.500	5	05/13/2022 04:22	WG1862853
trans-1,3-Dichloropropene	U		0.306	1.00	5	05/13/2022 04:22	WG1862853
2,2-Dichloropropane	U		0.159	0.500	5	05/13/2022 04:22	WG1862853
Di-isopropyl ether	U		0.0700	0.200	5	05/13/2022 04:22	WG1862853
Ethylbenzene	U		0.106	0.500	5	05/13/2022 04:22	WG1862853
Hexachloro-1,3-butadiene	U		2.54	5.00	5	05/13/2022 04:22	WG1862853
Isopropylbenzene	U		0.173	0.500	5	05/13/2022 04:22	WG1862853
p-Isopropyltoluene	U		0.466	1.00	5	05/13/2022 04:22	WG1862853
2-Butanone (MEK)	U		2.50	5.00	5	05/13/2022 04:22	WG1862853
Methylene Chloride	U		1.33	5.00	5	05/13/2022 04:22	WG1862853
4-Methyl-2-pentanone (MIBK)	U	J4	2.00	5.00	5	05/13/2022 04:22	WG1862853
Methyl tert-butyl ether	U		0.0590	0.200	5	05/13/2022 04:22	WG1862853
Naphthalene	U	C3	0.620	2.50	5	05/13/2022 04:22	WG1862853
n-Propylbenzene	U		0.236	1.00	5	05/13/2022 04:22	WG1862853
Styrene	U		0.545	2.50	5	05/13/2022 04:22	WG1862853
1,1,1,2-Tetrachloroethane	U		0.100	0.500	5	05/13/2022 04:22	WG1862853
1,1,2,2-Tetrachloroethane	U		0.0780	0.500	5	05/13/2022 04:22	WG1862853
1,1,2-Trichlorotrifluoroethane	U		0.135	0.500	5	05/13/2022 04:22	WG1862853
Tetrachloroethene	U		0.140	0.500	5	05/13/2022 04:22	WG1862853
Toluene	U		0.250	1.00	5	05/13/2022 04:22	WG1862853
1,2,3-Trichlorobenzene	U	C3	0.125	2.50	5	05/13/2022 04:22	WG1862853
1,2,4-Trichlorobenzene	U		0.965	2.50	5	05/13/2022 04:22	WG1862853
1,1,1-Trichloroethane	U		0.0550	0.500	5	05/13/2022 04:22	WG1862853
1,1,2-Trichloroethane	U		0.177	0.500	5	05/13/2022 04:22	WG1862853
Trichloroethene	2.86		0.0800	0.200	5	05/13/2022 04:22	WG1862853
Trichlorofluoromethane	U		0.100	0.500	5	05/13/2022 04:22	WG1862853
1,2,3-Trichloropropane	U		1.02	2.50	5	05/13/2022 04:22	WG1862853
1,2,4-Trimethylbenzene	U		0.232	1.00	5	05/13/2022 04:22	WG1862853
1,2,3-Trimethylbenzene	U		0.230	1.00	5	05/13/2022 04:22	WG1862853
1,3,5-Trimethylbenzene	U		0.216	1.00	5	05/13/2022 04:22	WG1862853
Vinyl chloride	576		0.682	2.50	25	05/17/2022 03:47	WG1864055
Xylenes, Total	U		0.955	1.30	5	05/13/2022 04:22	WG1862853
Ethyl Ether	U		0.0850	0.500	5	05/13/2022 04:22	WG1862853
Tetrahydrofuran	U	J4	0.450	2.50	5	05/13/2022 04:22	WG1862853
Iodomethane	U		1.21	2.50	5	05/13/2022 04:22	WG1862853
Allyl chloride	U		2.90	5.00	5	05/13/2022 04:22	WG1862853
Trans-1,4-Dichloro-2-butene	U	J3	0.280	1.00	5	05/13/2022 04:22	WG1862853
(S) Toluene-d8	104			75.0-131		05/13/2022 04:22	WG1862853
(S) Toluene-d8	90.4			75.0-131		05/17/2022 03:47	WG1864055
(S) 4-Bromofluorobenzene	91.4			67.0-138		05/13/2022 04:22	WG1862853
(S) 4-Bromofluorobenzene	105			67.0-138		05/17/2022 03:47	WG1864055
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/13/2022 04:22	WG1862853
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/17/2022 03:47	WG1864055

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	14600		594	5000	1	05/29/2022 19:38	WG1871277

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)	8840		102	1000	1	05/29/2022 01:44	WG1870724

Metals (ICPMS) by Method 6020B

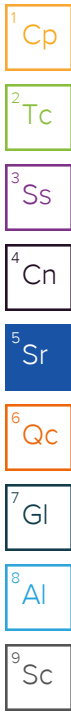
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5560		28.1	100	1	05/17/2022 22:53	WG1864824
Manganese	782		0.704	5.00	1	05/17/2022 22:53	WG1864824

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	9730		2.87	6.78	10	05/18/2022 15:54	WG1865716
Ethane	148		0.296	1.29	1	05/18/2022 13:31	WG1865025
Ethene	477		0.422	1.27	1	05/18/2022 13:31	WG1865025

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	05/17/2022 05:41	WG1864608
Acrylonitrile	U	C3	0.0760	0.500	1	05/17/2022 05:41	WG1864608
Benzene	0.250		0.0160	0.0400	1	05/17/2022 05:41	WG1864608
Bromobenzene	U		0.0420	0.500	1	05/17/2022 05:41	WG1864608
Bromodichloromethane	U		0.0315	0.100	1	05/17/2022 05:41	WG1864608
Bromoform	U	C3	0.239	1.00	1	05/17/2022 05:41	WG1864608
Bromomethane	U		0.148	0.500	1	05/17/2022 05:41	WG1864608
n-Butylbenzene	U		0.153	0.500	1	05/17/2022 05:41	WG1864608
sec-Butylbenzene	U		0.101	0.500	1	05/17/2022 05:41	WG1864608
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2022 05:41	WG1864608
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2022 05:41	WG1864608
Chlorobenzene	U		0.0229	0.100	1	05/17/2022 05:41	WG1864608
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2022 05:41	WG1864608
Chloroethane	34.4		0.0432	0.200	1	05/17/2022 05:41	WG1864608
Chloroform	U		0.0166	0.100	1	05/17/2022 05:41	WG1864608
Chloromethane	U		0.0556	0.500	1	05/17/2022 05:41	WG1864608
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2022 05:41	WG1864608
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2022 05:41	WG1864608
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/17/2022 05:41	WG1864608
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2022 05:41	WG1864608
Dibromomethane	U		0.0400	0.200	1	05/17/2022 05:41	WG1864608
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2022 05:41	WG1864608
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2022 05:41	WG1864608
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2022 05:41	WG1864608
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2022 05:41	WG1864608
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2022 05:41	WG1864608
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2022 05:41	WG1864608
1,1-Dichloroethene	27.4		0.0200	0.100	1	05/17/2022 05:41	WG1864608
cis-1,2-Dichloroethene	6410		5.52	20.0	200	05/19/2022 16:04	WG1865976
trans-1,2-Dichloroethene	29.5		0.0572	0.200	1	05/17/2022 05:41	WG1864608
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2022 05:41	WG1864608



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	05/17/2022 05:41	WG1864608
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2022 05:41	WG1864608
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2022 05:41	WG1864608
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2022 05:41	WG1864608
2,2-Dichloropropane	U	J4	0.0317	0.100	1	05/17/2022 05:41	WG1864608
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2022 05:41	WG1864608
Ethylbenzene	0.0780	IJ	0.0212	0.100	1	05/17/2022 05:41	WG1864608
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2022 05:41	WG1864608
Isopropylbenzene	0.0390	IJ	0.0345	0.100	1	05/17/2022 05:41	WG1864608
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2022 05:41	WG1864608
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2022 05:41	WG1864608
Methylene Chloride	U		0.265	1.00	1	05/17/2022 05:41	WG1864608
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2022 05:41	WG1864608
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2022 05:41	WG1864608
Naphthalene	U	C3	0.124	0.500	1	05/17/2022 05:41	WG1864608
n-Propylbenzene	0.126	IJ	0.0472	0.200	1	05/17/2022 05:41	WG1864608
Styrene	U		0.109	0.500	1	05/17/2022 05:41	WG1864608
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2022 05:41	WG1864608
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2022 05:41	WG1864608
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2022 05:41	WG1864608
Tetrachloroethene	7870		5.60	20.0	200	05/19/2022 16:04	WG1865976
Toluene	0.468		0.0500	0.200	1	05/17/2022 05:41	WG1864608
1,2,3-Trichlorobenzene	U	C4 J4	0.0250	0.500	1	05/17/2022 05:41	WG1864608
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/17/2022 05:41	WG1864608
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	05/17/2022 05:41	WG1864608
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2022 05:41	WG1864608
Trichloroethene	1460		3.20	8.00	200	05/19/2022 16:04	WG1865976
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2022 05:41	WG1864608
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2022 05:41	WG1864608
1,2,4-Trimethylbenzene	0.953		0.0464	0.200	1	05/17/2022 05:41	WG1864608
1,2,3-Trimethylbenzene	0.247		0.0460	0.200	1	05/17/2022 05:41	WG1864608
1,3,5-Trimethylbenzene	0.278		0.0432	0.200	1	05/17/2022 05:41	WG1864608
Vinyl chloride	2960		5.46	20.0	200	05/19/2022 16:04	WG1865976
Xylenes, Total	0.458		0.191	0.260	1	05/17/2022 05:41	WG1864608
Ethyl Ether	U		0.0170	0.100	1	05/17/2022 05:41	WG1864608
Tetrahydrofuran	4.09		0.0900	0.500	1	05/17/2022 05:41	WG1864608
Iodomethane	U		0.242	0.500	1	05/17/2022 05:41	WG1864608
Allyl chloride	U		0.580	1.00	1	05/17/2022 05:41	WG1864608
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2022 05:41	WG1864608
(S) Toluene-d8	90.3			75.0-131		05/17/2022 05:41	WG1864608
(S) Toluene-d8	104			75.0-131		05/19/2022 16:04	WG1865976
(S) 4-Bromofluorobenzene	103			67.0-138		05/17/2022 05:41	WG1864608
(S) 4-Bromofluorobenzene	101			67.0-138		05/19/2022 16:04	WG1865976
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/17/2022 05:41	WG1864608
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/19/2022 16:04	WG1865976

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	152000		8450	20000	1	05/22/2022 09:13	WG1867545

Sample Narrative:

L1492498-10 WG1867545: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	62400		379	1000	1	05/17/2022 18:08	WG1862761
Nitrate	1230	T8	48.0	100	1	05/17/2022 18:08	WG1862761
Sulfate	21300		594	5000	1	05/17/2022 18:08	WG1862761

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2760	B	102	1000	1	05/29/2022 02:00	WG1870724

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2780		28.1	100	1	05/17/2022 22:56	WG1864824
Manganese	197		0.704	5.00	1	05/17/2022 22:56	WG1864824

Volatile Organic Compounds (GC) by Method NWTPHGX

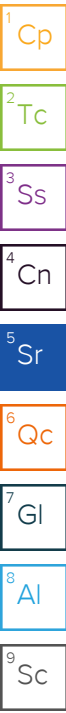
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/17/2022 19:39	WG1864798
(S) a,a,a-Trifluorotoluene(FID)	98.8			78.0-120		05/17/2022 19:39	WG1864798

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	05/18/2022 13:44	WG1865025
Ethane	U		0.296	1.29	1	05/18/2022 13:44	WG1865025
Ethene	U		0.422	1.27	1	05/18/2022 13:44	WG1865025

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.43		0.548	1.00	1	05/17/2022 05:59	WG1864608
Acrylonitrile	U	C3	0.0760	0.500	1	05/17/2022 05:59	WG1864608
Benzene	U		0.0160	0.0400	1	05/17/2022 05:59	WG1864608
Bromobenzene	U		0.0420	0.500	1	05/17/2022 05:59	WG1864608
Bromodichloromethane	U		0.0315	0.100	1	05/17/2022 05:59	WG1864608
Bromoform	U	C3	0.239	1.00	1	05/17/2022 05:59	WG1864608
Bromomethane	U		0.148	0.500	1	05/17/2022 05:59	WG1864608
n-Butylbenzene	U		0.153	0.500	1	05/17/2022 05:59	WG1864608
sec-Butylbenzene	U		0.101	0.500	1	05/17/2022 05:59	WG1864608
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2022 05:59	WG1864608
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2022 05:59	WG1864608
Chlorobenzene	U		0.0229	0.100	1	05/17/2022 05:59	WG1864608
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2022 05:59	WG1864608



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloroethane	U		0.0432	0.200	1	05/17/2022 05:59	WG1864608
Chloroform	0.0810	J	0.0166	0.100	1	05/17/2022 05:59	WG1864608
Chloromethane	U		0.0556	0.500	1	05/17/2022 05:59	WG1864608
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2022 05:59	WG1864608
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2022 05:59	WG1864608
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/17/2022 05:59	WG1864608
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2022 05:59	WG1864608
Dibromomethane	U		0.0400	0.200	1	05/17/2022 05:59	WG1864608
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2022 05:59	WG1864608
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2022 05:59	WG1864608
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2022 05:59	WG1864608
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2022 05:59	WG1864608
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2022 05:59	WG1864608
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2022 05:59	WG1864608
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2022 05:59	WG1864608
cis-1,2-Dichloroethene	0.0520	J	0.0276	0.100	1	05/19/2022 12:55	WG1865976
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2022 05:59	WG1864608
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2022 05:59	WG1864608
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2022 05:59	WG1864608
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2022 05:59	WG1864608
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2022 05:59	WG1864608
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2022 05:59	WG1864608
2,2-Dichloropropane	U	J4	0.0317	0.100	1	05/17/2022 05:59	WG1864608
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2022 05:59	WG1864608
Ethylbenzene	U		0.0212	0.100	1	05/17/2022 05:59	WG1864608
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2022 05:59	WG1864608
Isopropylbenzene	U		0.0345	0.100	1	05/17/2022 05:59	WG1864608
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2022 05:59	WG1864608
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2022 05:59	WG1864608
Methylene Chloride	U		0.265	1.00	1	05/17/2022 05:59	WG1864608
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2022 05:59	WG1864608
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2022 05:59	WG1864608
Naphthalene	U	C3	0.124	0.500	1	05/17/2022 05:59	WG1864608
n-Propylbenzene	U		0.0472	0.200	1	05/17/2022 05:59	WG1864608
Styrene	U		0.109	0.500	1	05/17/2022 05:59	WG1864608
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2022 05:59	WG1864608
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2022 05:59	WG1864608
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2022 05:59	WG1864608
Tetrachloroethene	1.89		0.0280	0.100	1	05/19/2022 12:55	WG1865976
Toluene	U		0.0500	0.200	1	05/17/2022 05:59	WG1864608
1,2,3-Trichlorobenzene	U	C4 J4	0.0250	0.500	1	05/17/2022 05:59	WG1864608
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/17/2022 05:59	WG1864608
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	05/17/2022 05:59	WG1864608
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2022 05:59	WG1864608
Trichloroethene	0.121		0.0160	0.0400	1	05/19/2022 12:55	WG1865976
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2022 05:59	WG1864608
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2022 05:59	WG1864608
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2022 05:59	WG1864608
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2022 05:59	WG1864608
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2022 05:59	WG1864608
Vinyl chloride	U		0.0273	0.100	1	05/19/2022 12:55	WG1865976
Xylenes, Total	U		0.191	0.260	1	05/17/2022 05:59	WG1864608
Ethyl Ether	U		0.0170	0.100	1	05/17/2022 05:59	WG1864608
Tetrahydrofuran	0.465	J	0.0900	0.500	1	05/17/2022 05:59	WG1864608
Iodomethane	U		0.242	0.500	1	05/17/2022 05:59	WG1864608
Allyl chloride	U		0.580	1.00	1	05/17/2022 05:59	WG1864608

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
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2022 05:59	WG1864608
(S) Toluene-d8	91.3			75.0-131		05/17/2022 05:59	WG1864608
(S) Toluene-d8	107			75.0-131		05/19/2022 12:55	WG1865976
(S) 4-Bromofluorobenzene	109			67.0-138		05/17/2022 05:59	WG1864608
(S) 4-Bromofluorobenzene	104			67.0-138		05/19/2022 12:55	WG1865976
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/17/2022 05:59	WG1864608
(S) 1,2-Dichloroethane-d4	98.6			70.0-130		05/19/2022 12:55	WG1865976

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

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	158000		8450	20000	1	05/22/2022 09:17	WG1867545

Sample Narrative:

L1492498-11 WG1867545: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	60000		379	1000	1	05/17/2022 18:39	WG1862761
Nitrate	1180	T8	48.0	100	1	05/17/2022 18:39	WG1862761
Sulfate	21300		594	5000	1	05/17/2022 18:39	WG1862761

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)	2670	B	102	1000	1	05/29/2022 02:17	WG1870724

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3520		28.1	100	1	05/17/2022 22:59	WG1864824
Manganese	236		0.704	5.00	1	05/17/2022 22:59	WG1864824

Volatile Organic Compounds (GC) by Method NWTPHGX

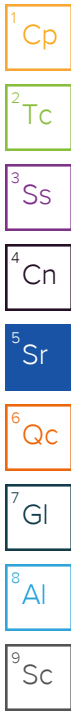
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/17/2022 20:03	WG1864798
(S) a,a,a-Trifluorotoluene(FID)	99.3			78.0-120		05/17/2022 20:03	WG1864798

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	05/18/2022 13:53	WG1865025
Ethane	U		0.296	1.29	1	05/18/2022 13:53	WG1865025
Ethene	U		0.422	1.27	1	05/18/2022 13:53	WG1865025

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	2.15		0.548	1.00	1	05/17/2022 06:18	WG1864608
Acrylonitrile	U	C3	0.0760	0.500	1	05/17/2022 06:18	WG1864608
Benzene	U		0.0160	0.0400	1	05/17/2022 06:18	WG1864608
Bromobenzene	U		0.0420	0.500	1	05/17/2022 06:18	WG1864608
Bromodichloromethane	U		0.0315	0.100	1	05/17/2022 06:18	WG1864608
Bromoform	U	C3	0.239	1.00	1	05/17/2022 06:18	WG1864608
Bromomethane	U		0.148	0.500	1	05/17/2022 06:18	WG1864608
n-Butylbenzene	U		0.153	0.500	1	05/17/2022 06:18	WG1864608
sec-Butylbenzene	U		0.101	0.500	1	05/17/2022 06:18	WG1864608
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2022 06:18	WG1864608
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2022 06:18	WG1864608
Chlorobenzene	U		0.0229	0.100	1	05/17/2022 06:18	WG1864608
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2022 06:18	WG1864608



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloroethane	U		0.0432	0.200	1	05/17/2022 06:18	WG1864608
Chloroform	0.0990	J	0.0166	0.100	1	05/17/2022 06:18	WG1864608
Chloromethane	U		0.0556	0.500	1	05/17/2022 06:18	WG1864608
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2022 06:18	WG1864608
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2022 06:18	WG1864608
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/17/2022 06:18	WG1864608
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2022 06:18	WG1864608
Dibromomethane	U		0.0400	0.200	1	05/17/2022 06:18	WG1864608
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2022 06:18	WG1864608
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2022 06:18	WG1864608
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2022 06:18	WG1864608
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2022 06:18	WG1864608
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2022 06:18	WG1864608
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2022 06:18	WG1864608
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2022 06:18	WG1864608
cis-1,2-Dichloroethene	0.0530	J	0.0276	0.100	1	05/19/2022 13:14	WG1865976
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2022 06:18	WG1864608
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2022 06:18	WG1864608
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2022 06:18	WG1864608
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2022 06:18	WG1864608
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2022 06:18	WG1864608
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2022 06:18	WG1864608
2,2-Dichloropropane	U	J4	0.0317	0.100	1	05/17/2022 06:18	WG1864608
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2022 06:18	WG1864608
Ethylbenzene	U		0.0212	0.100	1	05/17/2022 06:18	WG1864608
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2022 06:18	WG1864608
Isopropylbenzene	U		0.0345	0.100	1	05/17/2022 06:18	WG1864608
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2022 06:18	WG1864608
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2022 06:18	WG1864608
Methylene Chloride	U		0.265	1.00	1	05/17/2022 06:18	WG1864608
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2022 06:18	WG1864608
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2022 06:18	WG1864608
Naphthalene	U	C3	0.124	0.500	1	05/17/2022 06:18	WG1864608
n-Propylbenzene	U		0.0472	0.200	1	05/17/2022 06:18	WG1864608
Styrene	U		0.109	0.500	1	05/17/2022 06:18	WG1864608
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2022 06:18	WG1864608
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2022 06:18	WG1864608
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2022 06:18	WG1864608
Tetrachloroethene	1.82		0.0280	0.100	1	05/19/2022 13:14	WG1865976
Toluene	U		0.0500	0.200	1	05/17/2022 06:18	WG1864608
1,2,3-Trichlorobenzene	U	C4 J4	0.0250	0.500	1	05/17/2022 06:18	WG1864608
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/17/2022 06:18	WG1864608
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	05/17/2022 06:18	WG1864608
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2022 06:18	WG1864608
Trichloroethene	0.121		0.0160	0.0400	1	05/19/2022 13:14	WG1865976
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2022 06:18	WG1864608
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2022 06:18	WG1864608
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2022 06:18	WG1864608
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2022 06:18	WG1864608
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2022 06:18	WG1864608
Vinyl chloride	U		0.0273	0.100	1	05/19/2022 13:14	WG1865976
Xylenes, Total	U		0.191	0.260	1	05/17/2022 06:18	WG1864608
Ethyl Ether	U		0.0170	0.100	1	05/17/2022 06:18	WG1864608
Tetrahydrofuran	0.390	J	0.0900	0.500	1	05/17/2022 06:18	WG1864608
Iodomethane	U		0.242	0.500	1	05/17/2022 06:18	WG1864608
Allyl chloride	U		0.580	1.00	1	05/17/2022 06:18	WG1864608

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
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2022 06:18	WG1864608
(S) Toluene-d8	91.8			75.0-131		05/17/2022 06:18	WG1864608
(S) Toluene-d8	106			75.0-131		05/19/2022 13:14	WG1865976
(S) 4-Bromofluorobenzene	107			67.0-138		05/17/2022 06:18	WG1864608
(S) 4-Bromofluorobenzene	105			67.0-138		05/19/2022 13:14	WG1865976
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/17/2022 06:18	WG1864608
(S) 1,2-Dichloroethane-d4	99.1			70.0-130		05/19/2022 13:14	WG1865976

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

Method Blank (MB)

(MB) R3794627-2 05/22/22 08:05

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Alkalinity	U		8450	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1492489-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1492489-09 05/22/22 08:34 • (DUP) R3794627-3 05/22/22 08:38

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	323000	328000	1	1.67		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1492676-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1492676-15 05/22/22 09:44 • (DUP) R3794627-4 05/22/22 09:48

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	392000	386000	1	1.75		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3794627-1 05/22/22 08:01

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Alkalinity	100000	102000	102	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5



Method Blank (MB)

(MB) R3794950-1 05/17/22 10:15

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	U		379	1000
Nitrate	61.8	↓	48.0	100
Sulfate	U		594	5000

L1492498-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1492498-10 05/17/22 18:08 • (DUP) R3794950-3 05/17/22 18:23

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	62400	62600	1	0.246		15
Nitrate	1230	1240	1	0.905		15
Sulfate	21300	21400	1	0.660		15

L1492498-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1492498-11 05/17/22 18:39 • (DUP) R3794950-6 05/18/22 02:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	60000	60200	1	0.282		15
Nitrate	1180	1170	1	0.510		15
Sulfate	21300	21400	1	0.380		15

Laboratory Control Sample (LCS)

(LCS) R3794950-2 05/17/22 10:31

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40000	40000	100	80.0-120	
Nitrate	8000	8210	103	80.0-120	
Sulfate	40000	41000	102	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1493787-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1493787-15 05/17/22 18:54 • (MS) R3794950-4 05/17/22 19:25 • (MSD) R3794950-5 05/17/22 19:41

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 %
Chloride	50000	90300	137000	138000	93.8	94.6	1	80.0-120	E	E	0.288	15
Nitrate	5000	4180	9400	9450	104	105	1	80.0-120			0.516	15
Sulfate	50000	393000	443000	445000	99.7	104	1	80.0-120	E	E	0.496	15

L1492498-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1492498-11 05/17/22 18:39 • (MS) R3794950-7 05/18/22 02:48

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	60000	109000	97.9	1	80.0-120	E
Nitrate	5000	1180	6460	106	1	80.0-120	
Sulfate	50000	21300	71300	99.9	1	80.0-120	

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

Method Blank (MB)

(MB) R3797697-1 05/29/22 12:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1492766-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1492766-02 05/29/22 20:03 • (DUP) R3797697-5 05/29/22 20:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	33800	33800	1	0.0222		15

Laboratory Control Sample (LCS)

(LCS) R3797697-2 05/29/22 12:43

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	38900	97.2	80.0-120	

L1492460-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1492460-01 05/29/22 13:27 • (MS) R3797697-3 05/29/22 13:52 • (MSD) R3797697-4 05/29/22 14:05

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	1620000	1640000	1650000	39.0	60.3	2	80.0-120	<u>EV</u>	<u>EV</u>	0.649	15

L1492766-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1492766-02 05/29/22 20:03 • (MS) R3797697-6 05/29/22 20:28

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	33800	84500	102	1	80.0-120	

Method Blank (MB)

(MB) R3797303-2 05/28/22 14:59

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	415	↓	102	1000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1492458-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1492458-08 05/28/22 19:18 • (DUP) R3797303-5 05/28/22 19:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	61200	62200	1	1.57		20

L1492458-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1492458-12 05/28/22 21:23 • (DUP) R3797303-6 05/28/22 21:44

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	12100	12300	1	1.55		20

Laboratory Control Sample (LCS)

(LCS) R3797303-1 05/28/22 14:46

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	78700	105	85.0-115	

L1492458-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1492458-06 05/28/22 17:59 • (MS) R3797303-3 05/28/22 18:22 • (MSD) R3797303-4 05/28/22 18:40

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	1620	54100	52500	105	102	1	80.0-120			3.02	20

L1492464-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1492464-02 05/28/22 22:12 • (MS) R3797303-7 05/28/22 22:35 • (MSD) R3797303-8 05/28/22 22:57

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	2790	55900	56800	106	108	1	80.0-120			1.61	20

Method Blank (MB)

(MB) R3792954-1 05/17/22 21:22

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3792954-2 05/17/22 21:25

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	4950	99.1	80.0-120	
Manganese	50.0	49.1	98.3	80.0-120	

L1492458-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1492458-01 05/17/22 21:29 • (MS) R3792954-4 05/17/22 21:35 • (MSD) R3792954-5 05/17/22 21:39

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	2650	7750	7880	102	105	1	75.0-125			1.73	20
Manganese	50.0	951	980	979	57.7	55.9	1	75.0-125	V	V	0.0890	20

Method Blank (MB)

(MB) R3792853-2 05/17/22 13:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	99.4			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3792853-1 05/17/22 12:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	4870	88.5	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			103	78.0-120	

L1492883-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1492883-03 05/17/22 21:13 • (MS) R3792853-3 05/17/22 22:48 • (MSD) R3792853-4 05/17/22 23:20

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 %
Gasoline Range Organics-NWTPH	5500	182	6290	5670	111	99.8	1	10.0-155			10.4	21
(S) a,a,a-Trifluorotoluene(FID)					101	100		78.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3793192-2 05/18/22 12:09

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

L1492498-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1492498-06 05/18/22 13:09 • (DUP) R3793192-3 05/18/22 13:38

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	4030	5190	1	25.2		20
Ethane	4.59	4.83	1	5.10		20
Ethene	63.9	82.2	1	25.1		20

L1492575-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1492575-11 05/18/22 14:36 • (DUP) R3793192-4 05/18/22 14:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
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) R3793192-1 05/18/22 12:06 • (LCSD) R3793192-7 05/18/22 14:51

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	69.0	70.7	102	104	85.0-115			2.43	20
Ethane	129	112	123	86.8	95.3	85.0-115			9.36	20
Ethene	127	113	124	89.0	97.6	85.0-115			9.28	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1492484-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1492484-05 05/18/22 13:01 • (MS) R3793192-5 05/18/22 14:43 • (MSD) R3793192-6 05/18/22 14:47

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 %
Methane	67.8	418	797	801	559	565	1	85.0-115	<u>V</u>	<u>V</u>	0.501	20
Ethane	129	0.830	134	131	104	102	1	85.0-115			2.26	20
Ethene	127	U	135	133	106	105	1	85.0-115			1.49	20

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

Method Blank (MB)

(MB) R3793315-2 05/18/22 15:09

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

1 Cp

2 Tc

3 Ss

L1492498-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1492498-09 05/18/22 15:54 • (DUP) R3793315-3 05/18/22 16:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	9730	12400	10	24.1		20

4 Cn

5 Sr

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

(LCS) R3793315-1 05/18/22 15:07 • (LCSD) R3793315-4 05/18/22 16:18

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Methane	67.8	64.7	69.2	95.4	102	85.0-115			6.72	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3791886-2 05/12/22 19:57

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
1,1-Dichloroethane	U		0.0230	0.100
1,2-Dichloroethane	U		0.0190	0.100
1,1-Dichloroethene	U		0.0200	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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100
p-Isopropyltoluene	U		0.0932	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3791886-2 05/12/22 19:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	106			75.0-131
(S) 4-Bromofluorobenzene	92.7			67.0-138
(S) 1,2-Dichloroethane-d4	110			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3791886-1 05/12/22 18:40 • (LCSD) R3791886-3 05/12/22 21:00

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 %
Acetone	25.0	55.2	50.8	221	203	10.0-160	J4	J4	8.30	31
Acrylonitrile	25.0	35.2	35.8	141	143	45.0-153			1.69	22
Benzene	5.00	4.85	4.67	97.0	93.4	70.0-123			3.78	20
Bromobenzene	5.00	5.44	5.88	109	118	73.0-121			7.77	20
Bromodichloromethane	5.00	5.29	5.24	106	105	73.0-121			0.950	20
Bromoform	5.00	5.99	6.20	120	124	64.0-132			3.45	20
Bromomethane	5.00	6.40	5.45	128	109	56.0-147			16.0	20
n-Butylbenzene	5.00	4.50	5.04	90.0	101	68.0-135			11.3	20
sec-Butylbenzene	5.00	4.31	4.64	86.2	92.8	74.0-130			7.37	20
tert-Butylbenzene	5.00	4.47	4.77	89.4	95.4	75.0-127			6.49	20
Carbon tetrachloride	5.00	4.98	4.77	99.6	95.4	66.0-128			4.31	20
Chlorobenzene	5.00	5.80	5.54	116	111	76.0-128			4.59	20
Chlorodibromomethane	5.00	5.99	6.07	120	121	74.0-127			1.33	20
Chloroethane	5.00	4.75	4.50	95.0	90.0	61.0-134			5.41	20
Chloroform	5.00	5.32	5.15	106	103	72.0-123			3.25	20
Chloromethane	5.00	5.61	5.24	112	105	51.0-138			6.82	20
2-Chlorotoluene	5.00	5.00	5.57	100	111	75.0-124			10.8	20
4-Chlorotoluene	5.00	4.90	5.28	98.0	106	75.0-124			7.47	20
1,2-Dibromo-3-Chloropropane	5.00	4.67	5.75	93.4	115	59.0-130		J3	20.7	20
1,2-Dibromoethane	5.00	5.78	5.74	116	115	74.0-128			0.694	20
Dibromomethane	5.00	5.35	5.23	107	105	75.0-122			2.27	20
1,2-Dichlorobenzene	5.00	5.58	6.05	112	121	76.0-124			8.08	20
1,3-Dichlorobenzene	5.00	5.45	6.00	109	120	76.0-125			9.61	20
1,4-Dichlorobenzene	5.00	5.31	5.64	106	113	77.0-121			6.03	20
Dichlorodifluoromethane	5.00	5.04	4.91	101	98.2	43.0-156			2.61	20
1,1-Dichloroethane	5.00	5.18	5.08	104	102	70.0-127			1.95	20
1,2-Dichloroethane	5.00	5.60	5.49	112	110	65.0-131			1.98	20
1,1-Dichloroethene	5.00	5.16	5.08	103	102	65.0-131			1.56	20
trans-1,2-Dichloroethene	5.00	5.43	5.10	109	102	71.0-125			6.27	20
1,2-Dichloropropane	5.00	4.87	4.72	97.4	94.4	74.0-125			3.13	20
1,1-Dichloropropene	5.00	5.04	4.91	101	98.2	73.0-125			2.61	20
1,3-Dichloropropane	5.00	5.58	5.40	112	108	80.0-125			3.28	20
cis-1,3-Dichloropropene	5.00	4.86	4.87	97.2	97.4	76.0-127			0.206	20
trans-1,3-Dichloropropene	5.00	5.26	5.12	105	102	73.0-127			2.70	20
2,2-Dichloropropane	5.00	5.11	5.52	102	110	59.0-135			7.71	20
Di-isopropyl ether	5.00	5.95	5.97	119	119	60.0-136			0.336	20
Ethylbenzene	5.00	5.75	5.68	115	114	74.0-126			1.22	20
Hexachloro-1,3-butadiene	5.00	5.22	5.66	104	113	57.0-150			8.09	20
Isopropylbenzene	5.00	5.80	5.46	116	109	72.0-127			6.04	20
p-Isopropyltoluene	5.00	4.53	4.90	90.6	98.0	72.0-133			7.85	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3791886-1 05/12/22 18:40 • (LCSD) R3791886-3 05/12/22 21:00

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 %
2-Butanone (MEK)	25.0	36.1	37.7	144	151	30.0-160			4.34	24
Methylene Chloride	5.00	5.12	5.32	102	106	68.0-123			3.83	20
4-Methyl-2-pentanone (MIBK)	25.0	36.2	37.4	145	150	56.0-143	J4	J4	3.26	20
Methyl tert-butyl ether	5.00	5.10	5.11	102	102	66.0-132			0.196	20
Naphthalene	5.00	3.89	4.00	77.8	80.0	59.0-130			2.79	20
n-Propylbenzene	5.00	4.66	5.09	93.2	102	74.0-126			8.82	20
Styrene	5.00	5.94	5.83	119	117	72.0-127			1.87	20
1,1,1,2-Tetrachloroethane	5.00	5.62	5.58	112	112	74.0-129			0.714	20
1,1,2,2-Tetrachloroethane	5.00	4.71	5.35	94.2	107	68.0-128			12.7	20
1,1,2-Trichlorotrifluoroethane	5.00	4.53	4.57	90.6	91.4	61.0-139			0.879	20
Tetrachloroethene	5.00	6.76	6.38	135	128	70.0-136			5.78	20
Toluene	5.00	5.23	5.04	105	101	75.0-121			3.70	20
1,2,3-Trichlorobenzene	5.00	3.59	4.11	71.8	82.2	59.0-139			13.5	20
1,2,4-Trichlorobenzene	5.00	5.37	6.01	107	120	62.0-137			11.2	20
1,1,1-Trichloroethane	5.00	5.38	5.27	108	105	69.0-126			2.07	20
1,1,2-Trichloroethane	5.00	5.55	5.59	111	112	78.0-123			0.718	20
Trichloroethene	5.00	5.74	5.60	115	112	76.0-126			2.47	20
Trichlorofluoromethane	5.00	4.28	4.62	85.6	92.4	61.0-142			7.64	20
1,2,3-Trichloropropane	5.00	5.21	5.69	104	114	67.0-129			8.81	20
1,2,4-Trimethylbenzene	5.00	4.65	5.13	93.0	103	70.0-126			9.82	20
1,2,3-Trimethylbenzene	5.00	4.65	5.01	93.0	100	74.0-124			7.45	20
1,3,5-Trimethylbenzene	5.00	4.22	4.63	84.4	92.6	73.0-127			9.27	20
Vinyl chloride	5.00	4.90	4.60	98.0	92.0	63.0-134			6.32	20
Xylenes, Total	15.0	17.5	16.3	117	109	72.0-127			7.10	20
Ethyl ether	5.00	5.24	5.30	105	106	64.0-137			1.14	20
Tetrahydrofuran	5.00	8.85	8.22	177	164	37.0-146	J4	J4	7.38	24
Iodomethane	25.0	25.1	25.2	100	101	74.0-134			0.398	20
Allyl chloride	25.0	25.4	25.1	102	100	70.0-131			1.19	20
trans-1,4-Dichloro-2-butene	5.00	4.67	5.83	93.4	117	45.0-143		J3	22.1	20
(S) Toluene-d8				98.0	97.6	75.0-131				
(S) 4-Bromofluorobenzene				96.9	96.2	67.0-138				
(S) 1,2-Dichloroethane-d4				111	112	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3792751-3 05/16/22 22:11

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3792751-3 05/16/22 22:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	93.9			75.0-131
(S) 4-Bromofluorobenzene	105			67.0-138
(S) 1,2-Dichloroethane-d4	105			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3792751-1 05/16/22 20:55 • (LCSD) R3792751-2 05/16/22 21:14

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 %
Acetone	25.0	19.9	19.2	79.6	76.8	10.0-160			3.58	31
Acrylonitrile	25.0	19.7	20.0	78.8	80.0	45.0-153			1.51	22
Benzene	5.00	5.03	4.94	101	98.8	70.0-123			1.81	20
Bromobenzene	5.00	4.35	4.29	87.0	85.8	73.0-121			1.39	20
Bromodichloromethane	5.00	5.48	5.39	110	108	73.0-121			1.66	20
Bromoform	5.00	3.82	3.71	76.4	74.2	64.0-132			2.92	20
Bromomethane	5.00	4.84	4.84	96.8	96.8	56.0-147			0.000	20
n-Butylbenzene	5.00	5.22	5.35	104	107	68.0-135			2.46	20
sec-Butylbenzene	5.00	5.07	5.17	101	103	74.0-130			1.95	20
tert-Butylbenzene	5.00	4.57	4.67	91.4	93.4	75.0-127			2.16	20
Carbon tetrachloride	5.00	5.53	5.43	111	109	66.0-128			1.82	20
Chlorobenzene	5.00	4.49	4.40	89.8	88.0	76.0-128			2.02	20
Chlorodibromomethane	5.00	4.15	4.12	83.0	82.4	74.0-127			0.726	20
Chloroethane	5.00	5.44	5.32	109	106	61.0-134			2.23	20
Chloroform	5.00	5.35	5.38	107	108	72.0-123			0.559	20
Chloromethane	5.00	6.08	5.95	122	119	51.0-138			2.16	20
2-Chlorotoluene	5.00	4.35	4.35	87.0	87.0	75.0-124			0.000	20
4-Chlorotoluene	5.00	4.60	4.68	92.0	93.6	75.0-124			1.72	20
1,2-Dibromo-3-Chloropropane	5.00	3.23	3.06	64.6	61.2	59.0-130			5.41	20
1,2-Dibromoethane	5.00	4.44	4.27	88.8	85.4	74.0-128			3.90	20
Dibromomethane	5.00	4.79	4.85	95.8	97.0	75.0-122			1.24	20
1,2-Dichlorobenzene	5.00	4.80	4.88	96.0	97.6	76.0-124			1.65	20
1,3-Dichlorobenzene	5.00	4.78	4.75	95.6	95.0	76.0-125			0.630	20
1,4-Dichlorobenzene	5.00	4.52	4.53	90.4	90.6	77.0-121			0.221	20
Dichlorodifluoromethane	5.00	5.72	5.66	114	113	43.0-156			1.05	20
1,1-Dichloroethane	5.00	5.42	5.34	108	107	70.0-127			1.49	20
1,2-Dichloroethane	5.00	5.84	5.55	117	111	65.0-131			5.09	20
1,1-Dichloroethene	5.00	5.25	5.28	105	106	65.0-131			0.570	20
cis-1,2-Dichloroethene	5.00	5.19	5.07	104	101	73.0-125			2.34	20
trans-1,2-Dichloroethene	5.00	5.67	5.59	113	112	71.0-125			1.42	20
1,2-Dichloropropane	5.00	5.36	5.14	107	103	74.0-125			4.19	20
1,1-Dichloropropene	5.00	6.01	5.79	120	116	73.0-125			3.73	20
1,3-Dichloropropane	5.00	4.57	4.45	91.4	89.0	80.0-125			2.66	20
cis-1,3-Dichloropropene	5.00	5.39	5.41	108	108	76.0-127			0.370	20
trans-1,3-Dichloropropene	5.00	4.59	4.61	91.8	92.2	73.0-127			0.435	20
2,2-Dichloropropane	5.00	7.50	7.29	150	146	59.0-135	J4	J4	2.84	20
Di-isopropyl ether	5.00	5.94	5.78	119	116	60.0-136			2.73	20
Ethylbenzene	5.00	4.64	4.52	92.8	90.4	74.0-126			2.62	20
Hexachloro-1,3-butadiene	5.00	4.72	4.90	94.4	98.0	57.0-150			3.74	20
Isopropylbenzene	5.00	5.22	5.13	104	103	72.0-127			1.74	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3792751-1 05/16/22 20:55 • (LCSD) R3792751-2 05/16/22 21:14

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 %
p-Isopropyltoluene	5.00	4.54	4.63	90.8	92.6	72.0-133			1.96	20
2-Butanone (MEK)	25.0	23.9	24.2	95.6	96.8	30.0-160			1.25	24
Methylene Chloride	5.00	4.90	5.18	98.0	104	68.0-123			5.56	20
4-Methyl-2-pentanone (MIBK)	25.0	24.9	24.4	99.6	97.6	56.0-143			2.03	20
Methyl tert-butyl ether	5.00	5.53	5.49	111	110	66.0-132			0.726	20
Naphthalene	5.00	3.51	3.54	70.2	70.8	59.0-130			0.851	20
n-Propylbenzene	5.00	4.90	4.92	98.0	98.4	74.0-126			0.407	20
Styrene	5.00	4.48	4.39	89.6	87.8	72.0-127			2.03	20
1,1,1,2-Tetrachloroethane	5.00	4.63	4.57	92.6	91.4	74.0-129			1.30	20
1,1,2,2-Tetrachloroethane	5.00	4.06	4.02	81.2	80.4	68.0-128			0.990	20
1,1,2-Trichlorotrifluoroethane	5.00	5.27	5.28	105	106	61.0-139			0.190	20
Tetrachloroethene	5.00	4.81	4.77	96.2	95.4	70.0-136			0.835	20
Toluene	5.00	4.63	4.57	92.6	91.4	75.0-121			1.30	20
1,2,3-Trichlorobenzene	5.00	2.69	3.01	53.8	60.2	59.0-139	J4		11.2	20
1,2,4-Trichlorobenzene	5.00	4.91	5.04	98.2	101	62.0-137			2.61	20
1,1,1-Trichloroethane	5.00	6.61	6.43	132	129	69.0-126	J4	J4	2.76	20
1,1,2-Trichloroethane	5.00	4.57	4.48	91.4	89.6	78.0-123			1.99	20
Trichloroethene	5.00	5.59	5.62	112	112	76.0-126			0.535	20
Trichlorofluoromethane	5.00	4.91	5.11	98.2	102	61.0-142			3.99	20
1,2,3-Trichloropropane	5.00	4.24	4.16	84.8	83.2	67.0-129			1.90	20
1,2,4-Trimethylbenzene	5.00	4.86	4.92	97.2	98.4	70.0-126			1.23	20
1,2,3-Trimethylbenzene	5.00	4.77	4.82	95.4	96.4	74.0-124			1.04	20
1,3,5-Trimethylbenzene	5.00	4.79	4.78	95.8	95.6	73.0-127			0.209	20
Vinyl chloride	5.00	5.31	5.26	106	105	63.0-134			0.946	20
Xylenes, Total	15.0	13.9	13.6	92.7	90.7	72.0-127			2.18	20
Ethyl ether	5.00	4.84	4.63	96.8	92.6	64.0-137			4.44	20
Tetrahydrofuran	5.00	4.71	4.46	94.2	89.2	37.0-146			5.45	24
Iodomethane	25.0	27.1	27.1	108	108	74.0-134			0.000	20
Allyl chloride	25.0	25.9	25.5	104	102	70.0-131			1.56	20
trans-1,4-Dichloro-2-butene	5.00	4.71	4.45	94.2	89.0	45.0-143			5.68	20
(S) Toluene-d8				92.3	91.0	75.0-131				
(S) 4-Bromofluorobenzene				106	105	67.0-138				
(S) 1,2-Dichloroethane-d4				109	107	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3792752-3 05/16/22 22:11

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
1,1-Dichloroethane	U		0.0230	0.100
1,2-Dichloroethane	U		0.0190	0.100
1,1-Dichloroethene	U		0.0200	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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100
p-Isopropyltoluene	U		0.0932	0.200

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3792752-3 05/16/22 22:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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
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
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
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	93.9			75.0-131
(S) 4-Bromofluorobenzene	105			67.0-138
(S) 1,2-Dichloroethane-d4	105			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3792752-1 05/16/22 20:55 • (LCSD) R3792752-2 05/16/22 21:14

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 %
Acetone	25.0	19.9	19.2	79.6	76.8	10.0-160			3.58	31
Acrylonitrile	25.0	19.7	20.0	78.8	80.0	45.0-153			1.51	22
Benzene	5.00	5.03	4.94	101	98.8	70.0-123			1.81	20
Bromobenzene	5.00	4.35	4.29	87.0	85.8	73.0-121			1.39	20

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

(LCS) R3792752-1 05/16/22 20:55 • (LCSD) R3792752-2 05/16/22 21:14

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 %
Bromodichloromethane	5.00	5.48	5.39	110	108	73.0-121			1.66	20
Bromoform	5.00	3.82	3.71	76.4	74.2	64.0-132			2.92	20
Bromomethane	5.00	4.84	4.84	96.8	96.8	56.0-147			0.000	20
n-Butylbenzene	5.00	5.22	5.35	104	107	68.0-135			2.46	20
sec-Butylbenzene	5.00	5.07	5.17	101	103	74.0-130			1.95	20
tert-Butylbenzene	5.00	4.57	4.67	91.4	93.4	75.0-127			2.16	20
Carbon tetrachloride	5.00	5.53	5.43	111	109	66.0-128			1.82	20
Chlorobenzene	5.00	4.49	4.40	89.8	88.0	76.0-128			2.02	20
Chlorodibromomethane	5.00	4.15	4.12	83.0	82.4	74.0-127			0.726	20
Chloroethane	5.00	5.44	5.32	109	106	61.0-134			2.23	20
Chloroform	5.00	5.35	5.38	107	108	72.0-123			0.559	20
Chloromethane	5.00	6.08	5.95	122	119	51.0-138			2.16	20
2-Chlorotoluene	5.00	4.35	4.35	87.0	87.0	75.0-124			0.000	20
4-Chlorotoluene	5.00	4.60	4.68	92.0	93.6	75.0-124			1.72	20
1,2-Dibromo-3-Chloropropane	5.00	3.23	3.06	64.6	61.2	59.0-130			5.41	20
1,2-Dibromoethane	5.00	4.44	4.27	88.8	85.4	74.0-128			3.90	20
Dibromomethane	5.00	4.79	4.85	95.8	97.0	75.0-122			1.24	20
1,2-Dichlorobenzene	5.00	4.80	4.88	96.0	97.6	76.0-124			1.65	20
1,3-Dichlorobenzene	5.00	4.78	4.75	95.6	95.0	76.0-125			0.630	20
1,4-Dichlorobenzene	5.00	4.52	4.53	90.4	90.6	77.0-121			0.221	20
Dichlorodifluoromethane	5.00	5.72	5.66	114	113	43.0-156			1.05	20
1,1-Dichloroethane	5.00	5.42	5.34	108	107	70.0-127			1.49	20
1,2-Dichloroethane	5.00	5.84	5.55	117	111	65.0-131			5.09	20
1,1-Dichloroethene	5.00	5.25	5.28	105	106	65.0-131			0.570	20
trans-1,2-Dichloroethene	5.00	5.67	5.59	113	112	71.0-125			1.42	20
1,2-Dichloropropane	5.00	5.36	5.14	107	103	74.0-125			4.19	20
1,1-Dichloropropene	5.00	6.01	5.79	120	116	73.0-125			3.73	20
1,3-Dichloropropane	5.00	4.57	4.45	91.4	89.0	80.0-125			2.66	20
cis-1,3-Dichloropropene	5.00	5.39	5.41	108	108	76.0-127			0.370	20
trans-1,3-Dichloropropene	5.00	4.59	4.61	91.8	92.2	73.0-127			0.435	20
2,2-Dichloropropane	5.00	7.50	7.29	150	146	59.0-135	J4	J4	2.84	20
Di-isopropyl ether	5.00	5.94	5.78	119	116	60.0-136			2.73	20
Ethylbenzene	5.00	4.64	4.52	92.8	90.4	74.0-126			2.62	20
Hexachloro-1,3-butadiene	5.00	4.72	4.90	94.4	98.0	57.0-150			3.74	20
Isopropylbenzene	5.00	5.22	5.13	104	103	72.0-127			1.74	20
p-Isopropyltoluene	5.00	4.54	4.63	90.8	92.6	72.0-133			1.96	20
2-Butanone (MEK)	25.0	23.9	24.2	95.6	96.8	30.0-160			1.25	24
Methylene Chloride	5.00	4.90	5.18	98.0	104	68.0-123			5.56	20
4-Methyl-2-pentanone (MIBK)	25.0	24.9	24.4	99.6	97.6	56.0-143			2.03	20
Methyl tert-butyl ether	5.00	5.53	5.49	111	110	66.0-132			0.726	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3792752-1 05/16/22 20:55 • (LCSD) R3792752-2 05/16/22 21:14

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 %
Naphthalene	5.00	3.51	3.54	70.2	70.8	59.0-130			0.851	20
n-Propylbenzene	5.00	4.90	4.92	98.0	98.4	74.0-126			0.407	20
Styrene	5.00	4.48	4.39	89.6	87.8	72.0-127			2.03	20
1,1,1,2-Tetrachloroethane	5.00	4.63	4.57	92.6	91.4	74.0-129			1.30	20
1,1,2,2-Tetrachloroethane	5.00	4.06	4.02	81.2	80.4	68.0-128			0.990	20
1,1,2-Trichlorotrifluoroethane	5.00	5.27	5.28	105	106	61.0-139			0.190	20
Toluene	5.00	4.63	4.57	92.6	91.4	75.0-121			1.30	20
1,2,3-Trichlorobenzene	5.00	2.69	3.01	53.8	60.2	59.0-139	J4		11.2	20
1,2,4-Trichlorobenzene	5.00	4.91	5.04	98.2	101	62.0-137			2.61	20
1,1,1-Trichloroethane	5.00	6.61	6.43	132	129	69.0-126	J4	J4	2.76	20
1,1,2-Trichloroethane	5.00	4.57	4.48	91.4	89.6	78.0-123			1.99	20
Trichlorofluoromethane	5.00	4.91	5.11	98.2	102	61.0-142			3.99	20
1,2,3-Trichloropropane	5.00	4.24	4.16	84.8	83.2	67.0-129			1.90	20
1,2,4-Trimethylbenzene	5.00	4.86	4.92	97.2	98.4	70.0-126			1.23	20
1,2,3-Trimethylbenzene	5.00	4.77	4.82	95.4	96.4	74.0-124			1.04	20
1,3,5-Trimethylbenzene	5.00	4.79	4.78	95.8	95.6	73.0-127			0.209	20
Xylenes, Total	15.0	13.9	13.6	92.7	90.7	72.0-127			2.18	20
Ethyl ether	5.00	4.84	4.63	96.8	92.6	64.0-137			4.44	20
Tetrahydrofuran	5.00	4.71	4.46	94.2	89.2	37.0-146			5.45	24
Iodomethane	25.0	27.1	27.1	108	108	74.0-134			0.000	20
Allyl chloride	25.0	25.9	25.5	104	102	70.0-131			1.56	20
trans-1,4-Dichloro-2-butene	5.00	4.71	4.45	94.2	89.0	45.0-143			5.68	20
(S) Toluene-d8				92.3	91.0	75.0-131				
(S) 4-Bromofluorobenzene				106	105	67.0-138				
(S) 1,2-Dichloroethane-d4				109	107	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3793347-3 05/17/22 21:24

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	92.0			75.0-131
(S) 4-Bromofluorobenzene	104			67.0-138
(S) 1,2-Dichloroethane-d4	115			70.0-130

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

(LCS) R3793347-1 05/17/22 20:08 • (LCSD) R3793347-2 05/17/22 20:27

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
cis-1,2-Dichloroethene	5.00	5.04	5.02	101	100	73.0-125			0.398	20
Vinyl chloride	5.00	5.05	5.06	101	101	63.0-134			0.198	20
(S) Toluene-d8				90.1	91.4	75.0-131				
(S) 4-Bromofluorobenzene				103	106	67.0-138				
(S) 1,2-Dichloroethane-d4				111	112	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3794008-3 05/19/22 12:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
Tetrachloroethene	U		0.0280	0.100
Trichloroethene	U		0.0160	0.0400
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	107			75.0-131
(S) 4-Bromofluorobenzene	101			67.0-138
(S) 1,2-Dichloroethane-d4	97.8			70.0-130

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

(LCS) R3794008-1 05/19/22 11:01 • (LCSD) R3794008-2 05/19/22 11:20

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
cis-1,2-Dichloroethene	5.00	5.23	5.06	105	101	73.0-125			3.30	20
Tetrachloroethene	5.00	4.88	4.93	97.6	98.6	70.0-136			1.02	20
Trichloroethene	5.00	5.04	4.87	101	97.4	76.0-126			3.43	20
Vinyl chloride	5.00	4.76	4.73	95.2	94.6	63.0-134			0.632	20
(S) Toluene-d8				99.4	103	75.0-131				
(S) 4-Bromofluorobenzene				101	100	67.0-138				
(S) 1,2-Dichloroethane-d4				103	100	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

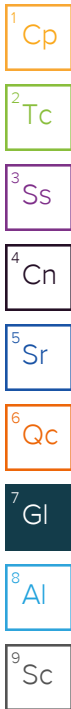
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
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.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
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.
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.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

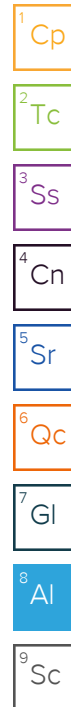
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

Report to:
 Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
 American Linen

City/State Collected: **Seattle, WA**

Please Circle:
 PT MT CT ET



MT JULIET, TN

12065 Lebaron 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>

SDG # **U492498**
B080

Acctnum: **PESENVSWA**
 Template: **T207753**
 Prelogin: **P919177**
 PM: **546 - Jared Starkey**
 PB:

Shipped Via:
 Remarks Sample # (lab only)

Client Project #
443018-1413001.05.60
1413001.10.701

Lab Project #
PESENVSWA-ALP

Site/Facility ID #

P.O. #
443018-1413001.05.601

Quote #

Rush? (Lab MUST Be Notified)
 ___ Same Day ___ Five Day
 ___ Next Day ___ 5 Day (Rad Only)
 ___ Two Day ___ 10 Day (Rad Only)
 ___ Three Day

Date Results Needed
Standard TAT

No. of Cntrs

Analysis / Container / Preservative					
FEG.MNG 250mlHDPE-HNO3	RSK175LL 40mlAmb-HCI	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCI	V8260ULLC 40mlAmb-HCI	

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FEG.MNG 250mlHDPE-HNO3	RSK175LL 40mlAmb-HCI	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCI	V8260ULLC 40mlAmb-HCI	Remarks	Sample # (lab only)
MW-326-050922	Grab	GW		5-9-2022	9:35	3					X		-01
MW-325-050922		GW			10:35	3					X		-02
MW-315-050922		GW			12:30	3					X		-03
MW-316-050922		GW			15:10	3					X		-04
MW-969-051022		GW		5-10-2022	9:45	8	X	X	X	X	X		-05
MW-179-051022		GW			10:50	8	X	X	X	X	X		-06
MW-178-051022		GW			12:40	8	X	X	X	X	X		-07
MW-180-051022		GW			13:45	8	X	X	X	X	X		-08
MW-177-051022	✓				16:00	8	X	X	X	X	X		-09

* 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 # **5433 8382 0266**

pH _____ Temp _____
 Flow _____ Other _____

Relinquished by: (Signature) **[Signature]** Date: **5-10-22** Time: **1650**

Received by: (Signature) **[Signature]** Trip Blank Received: Yes (No) **[Initials]**
 HCL / MeOH
 TBR

Relinquished by: (Signature) Date: Time: Received by: (Signature) Temp: °C Bottles Received: **DEAG.110=1 U8**

Relinquished by: (Signature) Date: Time: Received for lab by: (Signature) **[Signature]** Date: **5/11/22** Time: **0930** Hold: Condition: **(NCF) OK**

Sample Receipt Checklist
 COC Seal Present/Intact: **[Initials]** Y N
 COC Signed/Accurate: **[Initials]** Y N
 Bottles arrive intact: **[Initials]** Y N
 Correct bottles used: **[Initials]** Y N
 Sufficient volume sent: **[Initials]** Y N
 If Applicable
 VOA Zero Headspace: **[Initials]** Y N
 Preservation Correct/Checked: **[Initials]** Y N
 RAD Screen <0.5 mR/hr: **[Initials]** Y N

If preservation required by Login: Date/Time

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 2 of 2



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>

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State
Collected: **SEATTLE WA**

Please Circle:
PT MT CT ET

Phone: **206-529-3980**

Client Project #
443018-1413001.05.60

Lab Project #
PESENVSWA-ALP

Collected by (print):
RM BLH

Site/Facility ID #
443018-1413001.05.601

P.O. #

Collected by (signature):
[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

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	FEG, MNG 250mlHDPE-HNO3	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl	NWTPH-GX	ALKALINITY (2320B)	Chloride, Nitrate, Sulfate (90S6A)	Remarks	Sample # (lab only)
MW-968-051022	Grab	GW	-	5/10/22	0900	12	X	X		X	X	X	X	X		-10
MW-301-051022	Grab	GW	-	5/10/22	0945	12	X	X		X	X	X	X	X		-11
		GW														
		GW														
		GW														
		GW														
		GW														
		GW														
		GW														
		GW														
		GW														

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
 UPS FedEx Courier

Tracking # **5433 8382 0266**

Sample Receipt Checklist

COC Seal Present/Intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
COC Signed/Accurate:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Bottles arrive intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Correct bottles used:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Sufficient volume sent:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
If Applicable	
VOA Zero Headspace:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Preservation Correct/Checked:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Relinquished by: (Signature)

Date: **5-10-22**
Time: **1650**

Received by: (Signature)

Trip Blank Received: Yes (No)
HCL / MeOH
TBR

Relinquished by: (Signature)

Date: _____
Time: _____

Received by: (Signature)

Temp: _____ °C
Bottles Received: **DRAG. 140 = 1 68**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: _____
Time: _____

Received for lab by: (Signature)

Date: **5/11/22**
Time: **0930**

Hold:

Condition:
NCF // OK

5/12-NCF-L1492498 PESENVSWA

R5

Time estimate: 0h Time spent: 0h

Members

HM Hailey Melson (responsible) JS Jared Starkey

Due on 16 May 2022 8:00 AM for target Done

- 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: _____ 5/12
- PM initials: _____ JS
- Client Contact: _____ SM

Comments

- Hailey Melson 12 May 2022 10:06 AM
Nitrate samples were missed during Triage yesterday. Samples are out of hold.
- Jared Starkey 12 May 2022 10:47 AM
Log/Run ASAP
- Hailey Melson 12 May 2022 10:49 AM
Done

August 04, 2022

Revised Report

PES Environmental, Inc.- WA

Sample Delivery Group: L1493992
Samples Received: 05/14/2022
Project Number: 443018-1413001.10.70
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Entire Report Reviewed By:



Jared Starkey
Project Manager

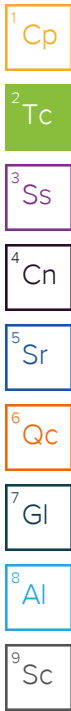
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory 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 www.pacenational.com

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SAMPLE SUMMARY

MW-161-051122 L1493992-01 GW

Collected by Ben Hecht Collected date/time 05/11/22 13:45 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1874224	1	06/06/22 02:40	06/06/22 02:40	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874176	1	06/03/22 23:15	06/03/22 23:15	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867150	1	05/22/22 20:36	05/23/22 14:11	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867439	1	05/21/22 15:11	05/21/22 15:11	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1866432	1	05/19/22 20:11	05/19/22 20:11	BMB	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

MW-171-051222 L1493992-02 GW

Collected by Ben Hecht Collected date/time 05/12/22 13:43 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1875472	1	06/07/22 17:14	06/07/22 17:14	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874176	1	06/03/22 23:33	06/03/22 23:33	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867150	1	05/22/22 20:36	05/23/22 14:14	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867439	1	05/21/22 15:14	05/21/22 15:14	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1866432	100	05/19/22 21:08	05/19/22 21:08	BMB	Mt. Juliet, TN

5 Sr

6 Qc

7 Gl

8 Al

MW-145R-051122 L1493992-03 GW

Collected by Ben Hecht Collected date/time 05/11/22 10:35 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1874224	1	06/06/22 02:55	06/06/22 02:55	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874176	1	06/04/22 00:30	06/04/22 00:30	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867150	1	05/22/22 20:36	05/23/22 14:28	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867439	1	05/21/22 15:16	05/21/22 15:16	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1866432	1	05/19/22 20:30	05/19/22 20:30	BMB	Mt. Juliet, TN

9 Sc

W-MW-01-051122 L1493992-04 GW

Collected by Ben Hecht Collected date/time 05/11/22 12:30 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1874224	1	06/06/22 03:11	06/06/22 03:11	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874176	1	06/04/22 00:46	06/04/22 00:46	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867150	1	05/22/22 20:36	05/23/22 14:31	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867439	1	05/21/22 15:19	05/21/22 15:19	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867441	10	05/24/22 10:00	05/24/22 10:00	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1866432	1	05/19/22 20:49	05/19/22 20:49	BMB	Mt. Juliet, TN

MW-144R-051122 L1493992-05 GW

Collected by Ben Hecht Collected date/time 05/11/22 13:10 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1874224	1	06/06/22 03:26	06/06/22 03:26	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874176	1	06/04/22 01:19	06/04/22 01:19	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867150	1	05/22/22 20:36	05/23/22 14:34	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867439	1	05/21/22 15:25	05/21/22 15:25	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868254	1	05/24/22 13:41	05/24/22 13:41	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

R-MW6-051122 L1493992-06 GW

Collected by Ben Hecht Collected date/time 05/11/22 09:54 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1874224	5	06/06/22 03:42	06/06/22 03:42	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874176	1	06/04/22 02:15	06/04/22 02:15	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867150	1	05/22/22 20:36	05/23/22 14:38	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867439	1	05/21/22 15:29	05/21/22 15:29	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868254	1	05/24/22 14:00	05/24/22 14:00	JHH	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

MW-159-051122 L1493992-07 GW

Collected by Ben Hecht Collected date/time 05/11/22 15:10 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1874224	1	06/06/22 03:57	06/06/22 03:57	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874176	1	06/04/22 02:30	06/04/22 02:30	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867150	1	05/22/22 20:36	05/23/22 14:41	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867441	1	05/24/22 10:03	05/24/22 10:03	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1869455	10	05/24/22 15:04	05/24/22 15:04	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868254	1	05/24/22 14:19	05/24/22 14:19	ACG	Mt. Juliet, TN

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW107-051122 L1493992-08 GW

Collected by Ben Hecht Collected date/time 05/11/22 11:40 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1874224	1	06/06/22 04:12	06/06/22 04:12	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874176	1	06/04/22 02:53	06/04/22 02:53	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867150	1	05/22/22 20:36	05/23/22 14:44	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867441	1	05/24/22 10:29	05/24/22 10:29	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1869455	10	05/24/22 15:08	05/24/22 15:08	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868254	1	05/24/22 14:39	05/24/22 14:39	GLN	Mt. Juliet, TN

MW-172-051222 L1493992-09 GW

Collected by Ben Hecht Collected date/time 05/12/22 11:42 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1875472	1	06/07/22 17:27	06/07/22 17:27	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874176	1	06/04/22 03:08	06/04/22 03:08	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867151	1	05/23/22 15:46	05/24/22 00:23	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867441	1	05/24/22 10:32	05/24/22 10:32	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	50	05/24/22 16:30	05/24/22 16:30	BMB	Mt. Juliet, TN

MW-170-051222 L1493992-10 GW

Collected by Ben Hecht Collected date/time 05/12/22 17:08 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1875472	1	06/07/22 17:41	06/07/22 17:41	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874176	1	06/04/22 03:33	06/04/22 03:33	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867151	1	05/23/22 15:46	05/24/22 00:26	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867441	1	05/24/22 10:38	05/24/22 10:38	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1869455	10	05/24/22 15:11	05/24/22 15:11	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	250	05/24/22 16:49	05/24/22 16:49	BMB	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.



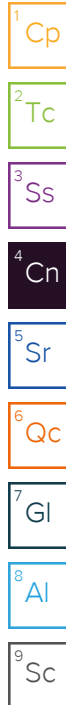
Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 06/09/22 15:34
Level II Report - Version 2: 08/02/22 19:50

Project Narrative

Added tetrachloroethene to -08
Added Chloromethane to -06



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	9410		594	5000	1	06/06/2022 02:40	WG1874224

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)	1770	<u>B</u>	102	1000	1	06/03/2022 23:15	WG1874176

Metals (ICPMS) by Method 6020B

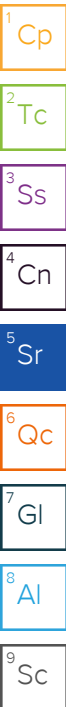
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	380		28.1	100	1	05/23/2022 14:11	WG1867150
Manganese	686		0.704	5.00	1	05/23/2022 14:11	WG1867150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	41.2		0.287	0.678	1	05/21/2022 15:11	WG1867439
Ethane	0.916	<u>J</u>	0.296	1.29	1	05/21/2022 15:11	WG1867439
Ethene	U		0.422	1.27	1	05/21/2022 15:11	WG1867439

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	05/19/2022 20:11	WG1866432
Acrylonitrile	U		0.0760	0.500	1	05/19/2022 20:11	WG1866432
Benzene	U		0.0160	0.0400	1	05/19/2022 20:11	WG1866432
Bromobenzene	U		0.0420	0.500	1	05/19/2022 20:11	WG1866432
Bromodichloromethane	U		0.0315	0.100	1	05/19/2022 20:11	WG1866432
Bromoform	U		0.239	1.00	1	05/19/2022 20:11	WG1866432
Bromomethane	U		0.148	0.500	1	05/19/2022 20:11	WG1866432
n-Butylbenzene	U		0.153	0.500	1	05/19/2022 20:11	WG1866432
sec-Butylbenzene	U		0.101	0.500	1	05/19/2022 20:11	WG1866432
tert-Butylbenzene	U		0.0620	0.200	1	05/19/2022 20:11	WG1866432
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2022 20:11	WG1866432
Chlorobenzene	U		0.0229	0.100	1	05/19/2022 20:11	WG1866432
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2022 20:11	WG1866432
Chloroethane	0.422		0.0432	0.200	1	05/19/2022 20:11	WG1866432
Chloroform	U		0.0166	0.100	1	05/19/2022 20:11	WG1866432
Chloromethane	U		0.0556	0.500	1	05/19/2022 20:11	WG1866432
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2022 20:11	WG1866432
4-Chlorotoluene	U		0.0452	0.200	1	05/19/2022 20:11	WG1866432
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2022 20:11	WG1866432
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2022 20:11	WG1866432
Dibromomethane	U		0.0400	0.200	1	05/19/2022 20:11	WG1866432
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2022 20:11	WG1866432
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2022 20:11	WG1866432
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2022 20:11	WG1866432
Dichlorodifluoromethane	U		0.0327	0.100	1	05/19/2022 20:11	WG1866432
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2022 20:11	WG1866432
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2022 20:11	WG1866432
1,1-Dichloroethene	1.82		0.0200	0.100	1	05/19/2022 20:11	WG1866432
cis-1,2-Dichloroethene	30.5		0.0276	0.100	1	05/19/2022 20:11	WG1866432
trans-1,2-Dichloroethene	0.557		0.0572	0.200	1	05/19/2022 20:11	WG1866432
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2022 20:11	WG1866432



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	05/19/2022 20:11	WG1866432
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2022 20:11	WG1866432
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2022 20:11	WG1866432
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2022 20:11	WG1866432
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2022 20:11	WG1866432
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2022 20:11	WG1866432
Ethylbenzene	U		0.0212	0.100	1	05/19/2022 20:11	WG1866432
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/19/2022 20:11	WG1866432
Isopropylbenzene	U		0.0345	0.100	1	05/19/2022 20:11	WG1866432
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2022 20:11	WG1866432
2-Butanone (MEK)	U		0.500	1.00	1	05/19/2022 20:11	WG1866432
Methylene Chloride	U		0.265	1.00	1	05/19/2022 20:11	WG1866432
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2022 20:11	WG1866432
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2022 20:11	WG1866432
Naphthalene	U		0.124	0.500	1	05/19/2022 20:11	WG1866432
n-Propylbenzene	U		0.0472	0.200	1	05/19/2022 20:11	WG1866432
Styrene	U		0.109	0.500	1	05/19/2022 20:11	WG1866432
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2022 20:11	WG1866432
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2022 20:11	WG1866432
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2022 20:11	WG1866432
Tetrachloroethene	0.629		0.0280	0.100	1	05/19/2022 20:11	WG1866432
Toluene	U		0.0500	0.200	1	05/19/2022 20:11	WG1866432
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2022 20:11	WG1866432
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/19/2022 20:11	WG1866432
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2022 20:11	WG1866432
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2022 20:11	WG1866432
Trichloroethene	15.4		0.0160	0.0400	1	05/19/2022 20:11	WG1866432
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2022 20:11	WG1866432
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2022 20:11	WG1866432
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2022 20:11	WG1866432
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2022 20:11	WG1866432
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2022 20:11	WG1866432
Vinyl chloride	1.67		0.0273	0.100	1	05/19/2022 20:11	WG1866432
Xylenes, Total	U		0.191	0.260	1	05/19/2022 20:11	WG1866432
Ethyl Ether	U		0.0170	0.100	1	05/19/2022 20:11	WG1866432
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2022 20:11	WG1866432
Iodomethane	U		0.242	0.500	1	05/19/2022 20:11	WG1866432
Allyl chloride	U		0.580	1.00	1	05/19/2022 20:11	WG1866432
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/19/2022 20:11	WG1866432
(S) Toluene-d8	106			75.0-131		05/19/2022 20:11	WG1866432
(S) 4-Bromofluorobenzene	103			67.0-138		05/19/2022 20:11	WG1866432
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/19/2022 20:11	WG1866432

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	14300		594	5000	1	06/07/2022 17:14	WG1875472

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)	5730		102	1000	1	06/03/2022 23:33	WG1874176

Metals (ICPMS) by Method 6020B

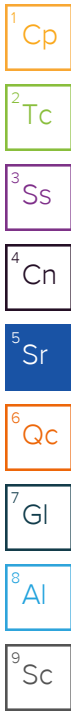
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4110		28.1	100	1	05/23/2022 14:14	WG1867150
Manganese	496		0.704	5.00	1	05/23/2022 14:14	WG1867150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1080		0.287	0.678	1	05/21/2022 15:14	WG1867439
Ethane	8.35		0.296	1.29	1	05/21/2022 15:14	WG1867439
Ethene	104		0.422	1.27	1	05/21/2022 15:14	WG1867439

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		54.8	100	100	05/19/2022 21:08	WG1866432
Acrylonitrile	U		7.60	50.0	100	05/19/2022 21:08	WG1866432
Benzene	U		1.60	4.00	100	05/19/2022 21:08	WG1866432
Bromobenzene	U		4.20	50.0	100	05/19/2022 21:08	WG1866432
Bromodichloromethane	U		3.15	10.0	100	05/19/2022 21:08	WG1866432
Bromoform	U		23.9	100	100	05/19/2022 21:08	WG1866432
Bromomethane	U		14.8	50.0	100	05/19/2022 21:08	WG1866432
n-Butylbenzene	U		15.3	50.0	100	05/19/2022 21:08	WG1866432
sec-Butylbenzene	U		10.1	50.0	100	05/19/2022 21:08	WG1866432
tert-Butylbenzene	U		6.20	20.0	100	05/19/2022 21:08	WG1866432
Carbon tetrachloride	U		4.32	20.0	100	05/19/2022 21:08	WG1866432
Chlorobenzene	U		2.29	10.0	100	05/19/2022 21:08	WG1866432
Chlorodibromomethane	U		1.80	10.0	100	05/19/2022 21:08	WG1866432
Chloroethane	U		4.32	20.0	100	05/19/2022 21:08	WG1866432
Chloroform	U		1.66	10.0	100	05/19/2022 21:08	WG1866432
Chloromethane	U		5.56	50.0	100	05/19/2022 21:08	WG1866432
2-Chlorotoluene	U		3.68	10.0	100	05/19/2022 21:08	WG1866432
4-Chlorotoluene	U		4.52	20.0	100	05/19/2022 21:08	WG1866432
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	05/19/2022 21:08	WG1866432
1,2-Dibromoethane	U		2.10	10.0	100	05/19/2022 21:08	WG1866432
Dibromomethane	U		4.00	20.0	100	05/19/2022 21:08	WG1866432
1,2-Dichlorobenzene	U		5.80	20.0	100	05/19/2022 21:08	WG1866432
1,3-Dichlorobenzene	U		6.80	20.0	100	05/19/2022 21:08	WG1866432
1,4-Dichlorobenzene	U		7.88	20.0	100	05/19/2022 21:08	WG1866432
Dichlorodifluoromethane	U		3.27	10.0	100	05/19/2022 21:08	WG1866432
1,1-Dichloroethane	U		2.30	10.0	100	05/19/2022 21:08	WG1866432
1,2-Dichloroethane	U		1.90	10.0	100	05/19/2022 21:08	WG1866432
1,1-Dichloroethene	35.5		2.00	10.0	100	05/19/2022 21:08	WG1866432
cis-1,2-Dichloroethene	2770		2.76	10.0	100	05/19/2022 21:08	WG1866432
trans-1,2-Dichloroethene	9.40	J	5.72	20.0	100	05/19/2022 21:08	WG1866432
1,2-Dichloropropane	U		5.08	20.0	100	05/19/2022 21:08	WG1866432



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		2.80	10.0	100	05/19/2022 21:08	WG1866432
1,3-Dichloropropane	U		7.00	20.0	100	05/19/2022 21:08	WG1866432
cis-1,3-Dichloropropene	U		2.71	10.0	100	05/19/2022 21:08	WG1866432
trans-1,3-Dichloropropene	U		6.12	20.0	100	05/19/2022 21:08	WG1866432
2,2-Dichloropropane	U		3.17	10.0	100	05/19/2022 21:08	WG1866432
Di-isopropyl ether	U		1.40	4.00	100	05/19/2022 21:08	WG1866432
Ethylbenzene	U		2.12	10.0	100	05/19/2022 21:08	WG1866432
Hexachloro-1,3-butadiene	U		50.8	100	100	05/19/2022 21:08	WG1866432
Isopropylbenzene	U		3.45	10.0	100	05/19/2022 21:08	WG1866432
p-Isopropyltoluene	U		9.32	20.0	100	05/19/2022 21:08	WG1866432
2-Butanone (MEK)	U		50.0	100	100	05/19/2022 21:08	WG1866432
Methylene Chloride	U		26.5	100	100	05/19/2022 21:08	WG1866432
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	05/19/2022 21:08	WG1866432
Methyl tert-butyl ether	U		1.18	4.00	100	05/19/2022 21:08	WG1866432
Naphthalene	U		12.4	50.0	100	05/19/2022 21:08	WG1866432
n-Propylbenzene	U		4.72	20.0	100	05/19/2022 21:08	WG1866432
Styrene	U		10.9	50.0	100	05/19/2022 21:08	WG1866432
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	05/19/2022 21:08	WG1866432
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	05/19/2022 21:08	WG1866432
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	05/19/2022 21:08	WG1866432
Tetrachloroethene	U		2.80	10.0	100	05/19/2022 21:08	WG1866432
Toluene	U		5.00	20.0	100	05/19/2022 21:08	WG1866432
1,2,3-Trichlorobenzene	U		2.50	50.0	100	05/19/2022 21:08	WG1866432
1,2,4-Trichlorobenzene	U		19.3	50.0	100	05/19/2022 21:08	WG1866432
1,1,1-Trichloroethane	U		1.10	10.0	100	05/19/2022 21:08	WG1866432
1,1,2-Trichloroethane	U		3.53	10.0	100	05/19/2022 21:08	WG1866432
Trichloroethene	U		1.60	4.00	100	05/19/2022 21:08	WG1866432
Trichlorofluoromethane	U		2.00	10.0	100	05/19/2022 21:08	WG1866432
1,2,3-Trichloropropane	U		20.4	50.0	100	05/19/2022 21:08	WG1866432
1,2,4-Trimethylbenzene	U		4.64	20.0	100	05/19/2022 21:08	WG1866432
1,2,3-Trimethylbenzene	U		4.60	20.0	100	05/19/2022 21:08	WG1866432
1,3,5-Trimethylbenzene	U		4.32	20.0	100	05/19/2022 21:08	WG1866432
Vinyl chloride	1380		2.73	10.0	100	05/19/2022 21:08	WG1866432
Xylenes, Total	U		19.1	26.0	100	05/19/2022 21:08	WG1866432
Ethyl Ether	U		1.70	10.0	100	05/19/2022 21:08	WG1866432
Tetrahydrofuran	U		9.00	50.0	100	05/19/2022 21:08	WG1866432
Iodomethane	U		24.2	50.0	100	05/19/2022 21:08	WG1866432
Allyl chloride	U		58.0	100	100	05/19/2022 21:08	WG1866432
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	05/19/2022 21:08	WG1866432
(S) Toluene-d8	109			75.0-131		05/19/2022 21:08	WG1866432
(S) 4-Bromofluorobenzene	102			67.0-138		05/19/2022 21:08	WG1866432
(S) 1,2-Dichloroethane-d4	99.6			70.0-130		05/19/2022 21:08	WG1866432

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	28400		594	5000	1	06/06/2022 02:55	WG1874224

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)	1900	<u>B</u>	102	1000	1	06/04/2022 00:30	WG1874176

Metals (ICPMS) by Method 6020B

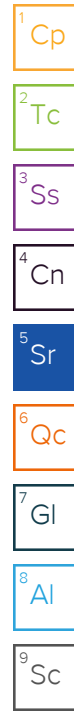
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	576		28.1	100	1	05/23/2022 14:28	WG1867150
Manganese	286		0.704	5.00	1	05/23/2022 14:28	WG1867150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2360		0.287	0.678	1	05/21/2022 15:16	WG1867439
Ethane	2.15		0.296	1.29	1	05/21/2022 15:16	WG1867439
Ethene	0.704	<u>J</u>	0.422	1.27	1	05/21/2022 15:16	WG1867439

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	05/19/2022 20:30	WG1866432
Acrylonitrile	U		0.0760	0.500	1	05/19/2022 20:30	WG1866432
Benzene	U		0.0160	0.0400	1	05/19/2022 20:30	WG1866432
Bromobenzene	U		0.0420	0.500	1	05/19/2022 20:30	WG1866432
Bromodichloromethane	U		0.0315	0.100	1	05/19/2022 20:30	WG1866432
Bromoform	U		0.239	1.00	1	05/19/2022 20:30	WG1866432
Bromomethane	U		0.148	0.500	1	05/19/2022 20:30	WG1866432
n-Butylbenzene	U		0.153	0.500	1	05/19/2022 20:30	WG1866432
sec-Butylbenzene	U		0.101	0.500	1	05/19/2022 20:30	WG1866432
tert-Butylbenzene	U		0.0620	0.200	1	05/19/2022 20:30	WG1866432
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2022 20:30	WG1866432
Chlorobenzene	U		0.0229	0.100	1	05/19/2022 20:30	WG1866432
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2022 20:30	WG1866432
Chloroethane	U		0.0432	0.200	1	05/19/2022 20:30	WG1866432
Chloroform	U		0.0166	0.100	1	05/19/2022 20:30	WG1866432
Chloromethane	U		0.0556	0.500	1	05/19/2022 20:30	WG1866432
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2022 20:30	WG1866432
4-Chlorotoluene	U		0.0452	0.200	1	05/19/2022 20:30	WG1866432
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2022 20:30	WG1866432
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2022 20:30	WG1866432
Dibromomethane	U		0.0400	0.200	1	05/19/2022 20:30	WG1866432
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2022 20:30	WG1866432
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2022 20:30	WG1866432
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2022 20:30	WG1866432
Dichlorodifluoromethane	U		0.0327	0.100	1	05/19/2022 20:30	WG1866432
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2022 20:30	WG1866432
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2022 20:30	WG1866432
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2022 20:30	WG1866432
cis-1,2-Dichloroethene	0.0340	<u>J</u>	0.0276	0.100	1	05/19/2022 20:30	WG1866432
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/19/2022 20:30	WG1866432
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2022 20:30	WG1866432



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	05/19/2022 20:30	WG1866432
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2022 20:30	WG1866432
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2022 20:30	WG1866432
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2022 20:30	WG1866432
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2022 20:30	WG1866432
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2022 20:30	WG1866432
Ethylbenzene	0.0380	U	0.0212	0.100	1	05/19/2022 20:30	WG1866432
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/19/2022 20:30	WG1866432
Isopropylbenzene	U		0.0345	0.100	1	05/19/2022 20:30	WG1866432
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2022 20:30	WG1866432
2-Butanone (MEK)	U		0.500	1.00	1	05/19/2022 20:30	WG1866432
Methylene Chloride	U		0.265	1.00	1	05/19/2022 20:30	WG1866432
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2022 20:30	WG1866432
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2022 20:30	WG1866432
Naphthalene	U		0.124	0.500	1	05/19/2022 20:30	WG1866432
n-Propylbenzene	U		0.0472	0.200	1	05/19/2022 20:30	WG1866432
Styrene	U		0.109	0.500	1	05/19/2022 20:30	WG1866432
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2022 20:30	WG1866432
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2022 20:30	WG1866432
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2022 20:30	WG1866432
Tetrachloroethene	U		0.0280	0.100	1	05/19/2022 20:30	WG1866432
Toluene	0.254		0.0500	0.200	1	05/19/2022 20:30	WG1866432
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2022 20:30	WG1866432
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/19/2022 20:30	WG1866432
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2022 20:30	WG1866432
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2022 20:30	WG1866432
Trichloroethene	U		0.0160	0.0400	1	05/19/2022 20:30	WG1866432
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2022 20:30	WG1866432
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2022 20:30	WG1866432
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2022 20:30	WG1866432
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2022 20:30	WG1866432
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2022 20:30	WG1866432
Vinyl chloride	U		0.0273	0.100	1	05/19/2022 20:30	WG1866432
Xylenes, Total	0.241	U	0.191	0.260	1	05/19/2022 20:30	WG1866432
Ethyl Ether	U		0.0170	0.100	1	05/19/2022 20:30	WG1866432
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2022 20:30	WG1866432
Iodomethane	U		0.242	0.500	1	05/19/2022 20:30	WG1866432
Allyl chloride	U		0.580	1.00	1	05/19/2022 20:30	WG1866432
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/19/2022 20:30	WG1866432
(S) Toluene-d8	104			75.0-131		05/19/2022 20:30	WG1866432
(S) 4-Bromofluorobenzene	102			67.0-138		05/19/2022 20:30	WG1866432
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/19/2022 20:30	WG1866432

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	12000		594	5000	1	06/06/2022 03:11	WG1874224

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)	4150	<u>B</u>	102	1000	1	06/04/2022 00:46	WG1874176

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12600		28.1	100	1	05/23/2022 14:31	WG1867150
Manganese	2390		0.704	5.00	1	05/23/2022 14:31	WG1867150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	28100		2.87	6.78	10	05/24/2022 10:00	WG1867441
Ethane	U		0.296	1.29	1	05/21/2022 15:19	WG1867439
Ethene	U		0.422	1.27	1	05/21/2022 15:19	WG1867439

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	1.13		0.548	1.00	1	05/19/2022 20:49	WG1866432
Acrylonitrile	U		0.0760	0.500	1	05/19/2022 20:49	WG1866432
Benzene	U		0.0160	0.0400	1	05/19/2022 20:49	WG1866432
Bromobenzene	U		0.0420	0.500	1	05/19/2022 20:49	WG1866432
Bromodichloromethane	U		0.0315	0.100	1	05/19/2022 20:49	WG1866432
Bromoform	U		0.239	1.00	1	05/19/2022 20:49	WG1866432
Bromomethane	U		0.148	0.500	1	05/19/2022 20:49	WG1866432
n-Butylbenzene	U		0.153	0.500	1	05/19/2022 20:49	WG1866432
sec-Butylbenzene	U		0.101	0.500	1	05/19/2022 20:49	WG1866432
tert-Butylbenzene	U		0.0620	0.200	1	05/19/2022 20:49	WG1866432
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2022 20:49	WG1866432
Chlorobenzene	U		0.0229	0.100	1	05/19/2022 20:49	WG1866432
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2022 20:49	WG1866432
Chloroethane	U		0.0432	0.200	1	05/19/2022 20:49	WG1866432
Chloroform	U		0.0166	0.100	1	05/19/2022 20:49	WG1866432
Chloromethane	U		0.0556	0.500	1	05/19/2022 20:49	WG1866432
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2022 20:49	WG1866432
4-Chlorotoluene	U		0.0452	0.200	1	05/19/2022 20:49	WG1866432
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2022 20:49	WG1866432
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2022 20:49	WG1866432
Dibromomethane	U		0.0400	0.200	1	05/19/2022 20:49	WG1866432
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2022 20:49	WG1866432
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2022 20:49	WG1866432
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2022 20:49	WG1866432
Dichlorodifluoromethane	U		0.0327	0.100	1	05/19/2022 20:49	WG1866432
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2022 20:49	WG1866432
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2022 20:49	WG1866432
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2022 20:49	WG1866432
cis-1,2-Dichloroethene	0.294		0.0276	0.100	1	05/19/2022 20:49	WG1866432
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/19/2022 20:49	WG1866432
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2022 20:49	WG1866432

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
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2022 20:49	WG1866432
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2022 20:49	WG1866432
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2022 20:49	WG1866432
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2022 20:49	WG1866432
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2022 20:49	WG1866432
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2022 20:49	WG1866432
Ethylbenzene	U		0.0212	0.100	1	05/19/2022 20:49	WG1866432
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/19/2022 20:49	WG1866432
Isopropylbenzene	U		0.0345	0.100	1	05/19/2022 20:49	WG1866432
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2022 20:49	WG1866432
2-Butanone (MEK)	U		0.500	1.00	1	05/19/2022 20:49	WG1866432
Methylene Chloride	U		0.265	1.00	1	05/19/2022 20:49	WG1866432
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2022 20:49	WG1866432
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2022 20:49	WG1866432
Naphthalene	U		0.124	0.500	1	05/19/2022 20:49	WG1866432
n-Propylbenzene	U		0.0472	0.200	1	05/19/2022 20:49	WG1866432
Styrene	U		0.109	0.500	1	05/19/2022 20:49	WG1866432
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2022 20:49	WG1866432
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2022 20:49	WG1866432
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2022 20:49	WG1866432
Tetrachloroethene	U		0.0280	0.100	1	05/19/2022 20:49	WG1866432
Toluene	0.0890	U	0.0500	0.200	1	05/19/2022 20:49	WG1866432
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2022 20:49	WG1866432
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/19/2022 20:49	WG1866432
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2022 20:49	WG1866432
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2022 20:49	WG1866432
Trichloroethene	0.0910		0.0160	0.0400	1	05/19/2022 20:49	WG1866432
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2022 20:49	WG1866432
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2022 20:49	WG1866432
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2022 20:49	WG1866432
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2022 20:49	WG1866432
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2022 20:49	WG1866432
Vinyl chloride	2.36		0.0273	0.100	1	05/19/2022 20:49	WG1866432
Xylenes, Total	U		0.191	0.260	1	05/19/2022 20:49	WG1866432
Ethyl Ether	U		0.0170	0.100	1	05/19/2022 20:49	WG1866432
Tetrahydrofuran	3.82		0.0900	0.500	1	05/19/2022 20:49	WG1866432
Iodomethane	U		0.242	0.500	1	05/19/2022 20:49	WG1866432
Allyl chloride	U		0.580	1.00	1	05/19/2022 20:49	WG1866432
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/19/2022 20:49	WG1866432
(S) Toluene-d8	103			75.0-131		05/19/2022 20:49	WG1866432
(S) 4-Bromofluorobenzene	103			67.0-138		05/19/2022 20:49	WG1866432
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/19/2022 20:49	WG1866432

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1130	J	594	5000	1	06/06/2022 03:26	WG1874224

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)	4080	B	102	1000	1	06/04/2022 01:19	WG1874176

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1750		28.1	100	1	05/23/2022 14:34	WG1867150
Manganese	1140		0.704	5.00	1	05/23/2022 14:34	WG1867150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3590		0.287	0.678	1	05/21/2022 15:25	WG1867439
Ethane	45.5		0.296	1.29	1	05/21/2022 15:25	WG1867439
Ethene	U		0.422	1.27	1	05/21/2022 15:25	WG1867439

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	30.5	C5 J4	0.548	1.00	1	05/24/2022 13:41	WG1868254
Acrylonitrile	U		0.0760	0.500	1	05/24/2022 13:41	WG1868254
Benzene	U		0.0160	0.0400	1	05/24/2022 13:41	WG1868254
Bromobenzene	U		0.0420	0.500	1	05/24/2022 13:41	WG1868254
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 13:41	WG1868254
Bromoform	U		0.239	1.00	1	05/24/2022 13:41	WG1868254
Bromomethane	U		0.148	0.500	1	05/24/2022 13:41	WG1868254
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 13:41	WG1868254
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 13:41	WG1868254
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 13:41	WG1868254
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 13:41	WG1868254
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 13:41	WG1868254
Chlorodibromomethane	U		0.0180	0.100	1	05/24/2022 13:41	WG1868254
Chloroethane	U	C3	0.0432	0.200	1	05/24/2022 13:41	WG1868254
Chloroform	U		0.0166	0.100	1	05/24/2022 13:41	WG1868254
Chloromethane	U	J4	0.0556	0.500	1	05/24/2022 13:41	WG1868254
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 13:41	WG1868254
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 13:41	WG1868254
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/24/2022 13:41	WG1868254
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 13:41	WG1868254
Dibromomethane	U		0.0400	0.200	1	05/24/2022 13:41	WG1868254
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 13:41	WG1868254
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 13:41	WG1868254
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 13:41	WG1868254
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 13:41	WG1868254
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 13:41	WG1868254
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 13:41	WG1868254
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 13:41	WG1868254
cis-1,2-Dichloroethene	0.137		0.0276	0.100	1	05/24/2022 13:41	WG1868254
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 13:41	WG1868254
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 13:41	WG1868254

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
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 13:41	WG1868254
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 13:41	WG1868254
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 13:41	WG1868254
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/24/2022 13:41	WG1868254
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 13:41	WG1868254
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 13:41	WG1868254
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 13:41	WG1868254
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 13:41	WG1868254
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 13:41	WG1868254
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 13:41	WG1868254
2-Butanone (MEK)	U		0.500	1.00	1	05/24/2022 13:41	WG1868254
Methylene Chloride	U		0.265	1.00	1	05/24/2022 13:41	WG1868254
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/24/2022 13:41	WG1868254
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 13:41	WG1868254
Naphthalene	U		0.124	0.500	1	05/24/2022 13:41	WG1868254
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 13:41	WG1868254
Styrene	U		0.109	0.500	1	05/24/2022 13:41	WG1868254
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 13:41	WG1868254
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/24/2022 13:41	WG1868254
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 13:41	WG1868254
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 13:41	WG1868254
Toluene	U		0.0500	0.200	1	05/24/2022 13:41	WG1868254
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/24/2022 13:41	WG1868254
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/24/2022 13:41	WG1868254
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 13:41	WG1868254
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 13:41	WG1868254
Trichloroethene	0.0810		0.0160	0.0400	1	05/24/2022 13:41	WG1868254
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 13:41	WG1868254
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 13:41	WG1868254
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 13:41	WG1868254
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 13:41	WG1868254
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 13:41	WG1868254
Vinyl chloride	U		0.0273	0.100	1	05/24/2022 13:41	WG1868254
Xylenes, Total	U		0.191	0.260	1	05/24/2022 13:41	WG1868254
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 13:41	WG1868254
Tetrahydrofuran	U		0.0900	0.500	1	05/24/2022 13:41	WG1868254
Iodomethane	U		0.242	0.500	1	05/24/2022 13:41	WG1868254
Allyl chloride	U		0.580	1.00	1	05/24/2022 13:41	WG1868254
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/24/2022 13:41	WG1868254
(S) Toluene-d8	101			75.0-131		05/24/2022 13:41	WG1868254
(S) 4-Bromofluorobenzene	94.1			67.0-138		05/24/2022 13:41	WG1868254
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/24/2022 13:41	WG1868254

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	219000		2970	25000	5	06/06/2022 03:42	WG1874224

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)	8840		102	1000	1	06/04/2022 02:15	WG1874176

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	25800		28.1	100	1	05/23/2022 14:38	WG1867150
Manganese	10100	E	0.704	5.00	1	05/23/2022 14:38	WG1867150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3190		0.287	0.678	1	05/21/2022 15:29	WG1867439
Ethane	2.65		0.296	1.29	1	05/21/2022 15:29	WG1867439
Ethene	U		0.422	1.27	1	05/21/2022 15:29	WG1867439

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	4.97	C5 J4	0.548	1.00	1	05/24/2022 14:00	WG1868254
Acrylonitrile	U		0.0760	0.500	1	05/24/2022 14:00	WG1868254
Benzene	0.0420		0.0160	0.0400	1	05/24/2022 14:00	WG1868254
Bromobenzene	U		0.0420	0.500	1	05/24/2022 14:00	WG1868254
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 14:00	WG1868254
Bromoform	U		0.239	1.00	1	05/24/2022 14:00	WG1868254
Bromomethane	U		0.148	0.500	1	05/24/2022 14:00	WG1868254
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 14:00	WG1868254
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 14:00	WG1868254
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 14:00	WG1868254
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 14:00	WG1868254
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 14:00	WG1868254
Chlorodibromomethane	U		0.0180	0.100	1	05/24/2022 14:00	WG1868254
Chloroethane	U	C3	0.0432	0.200	1	05/24/2022 14:00	WG1868254
Chloroform	U		0.0166	0.100	1	05/24/2022 14:00	WG1868254
Chloromethane	0.509	C5 J4	0.0556	0.500	1	05/24/2022 14:00	WG1868254
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 14:00	WG1868254
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 14:00	WG1868254
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/24/2022 14:00	WG1868254
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 14:00	WG1868254
Dibromomethane	U		0.0400	0.200	1	05/24/2022 14:00	WG1868254
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 14:00	WG1868254
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 14:00	WG1868254
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 14:00	WG1868254
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 14:00	WG1868254
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 14:00	WG1868254
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 14:00	WG1868254
1,1-Dichloroethene	0.0620	J	0.0200	0.100	1	05/24/2022 14:00	WG1868254
cis-1,2-Dichloroethene	4.15		0.0276	0.100	1	05/24/2022 14:00	WG1868254
trans-1,2-Dichloroethene	0.0620	J	0.0572	0.200	1	05/24/2022 14:00	WG1868254
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 14:00	WG1868254

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
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 14:00	WG1868254
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 14:00	WG1868254
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 14:00	WG1868254
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/24/2022 14:00	WG1868254
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 14:00	WG1868254
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 14:00	WG1868254
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 14:00	WG1868254
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 14:00	WG1868254
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 14:00	WG1868254
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 14:00	WG1868254
2-Butanone (MEK)	U		0.500	1.00	1	05/24/2022 14:00	WG1868254
Methylene Chloride	U		0.265	1.00	1	05/24/2022 14:00	WG1868254
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/24/2022 14:00	WG1868254
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 14:00	WG1868254
Naphthalene	U		0.124	0.500	1	05/24/2022 14:00	WG1868254
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 14:00	WG1868254
Styrene	U		0.109	0.500	1	05/24/2022 14:00	WG1868254
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 14:00	WG1868254
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/24/2022 14:00	WG1868254
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 14:00	WG1868254
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 14:00	WG1868254
Toluene	U		0.0500	0.200	1	05/24/2022 14:00	WG1868254
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/24/2022 14:00	WG1868254
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/24/2022 14:00	WG1868254
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 14:00	WG1868254
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 14:00	WG1868254
Trichloroethene	0.354		0.0160	0.0400	1	05/24/2022 14:00	WG1868254
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 14:00	WG1868254
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 14:00	WG1868254
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 14:00	WG1868254
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 14:00	WG1868254
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 14:00	WG1868254
Vinyl chloride	1.71		0.0273	0.100	1	05/24/2022 14:00	WG1868254
Xylenes, Total	U		0.191	0.260	1	05/24/2022 14:00	WG1868254
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 14:00	WG1868254
Tetrahydrofuran	3.89		0.0900	0.500	1	05/24/2022 14:00	WG1868254
Iodomethane	U		0.242	0.500	1	05/24/2022 14:00	WG1868254
Allyl chloride	U		0.580	1.00	1	05/24/2022 14:00	WG1868254
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/24/2022 14:00	WG1868254
(S) Toluene-d8	103			75.0-131		05/24/2022 14:00	WG1868254
(S) 4-Bromofluorobenzene	97.9			67.0-138		05/24/2022 14:00	WG1868254
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/24/2022 14:00	WG1868254

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	06/06/2022 03:57	WG1874224

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)	3840	<u>B</u>	102	1000	1	06/04/2022 02:30	WG1874176

Metals (ICPMS) by Method 6020B

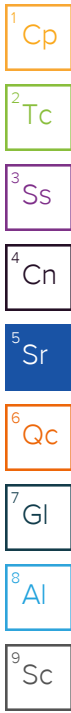
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7830		28.1	100	1	05/23/2022 14:41	WG1867150
Manganese	3070		0.704	5.00	1	05/23/2022 14:41	WG1867150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	15000		2.87	6.78	10	05/24/2022 15:04	WG1869455
Ethane	21.4		0.296	1.29	1	05/24/2022 10:03	WG1867441
Ethene	U		0.422	1.27	1	05/24/2022 10:03	WG1867441

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	3.85	<u>C5 J4</u>	0.548	1.00	1	05/24/2022 14:19	WG1868254
Acrylonitrile	U		0.0760	0.500	1	05/24/2022 14:19	WG1868254
Benzene	0.0260	<u>J</u>	0.0160	0.0400	1	05/24/2022 14:19	WG1868254
Bromobenzene	U		0.0420	0.500	1	05/24/2022 14:19	WG1868254
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 14:19	WG1868254
Bromoform	U		0.239	1.00	1	05/24/2022 14:19	WG1868254
Bromomethane	U		0.148	0.500	1	05/24/2022 14:19	WG1868254
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 14:19	WG1868254
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 14:19	WG1868254
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 14:19	WG1868254
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 14:19	WG1868254
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 14:19	WG1868254
Chlorodibromomethane	U		0.0180	0.100	1	05/24/2022 14:19	WG1868254
Chloroethane	U	<u>C3</u>	0.0432	0.200	1	05/24/2022 14:19	WG1868254
Chloroform	U		0.0166	0.100	1	05/24/2022 14:19	WG1868254
Chloromethane	U	<u>J4</u>	0.0556	0.500	1	05/24/2022 14:19	WG1868254
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 14:19	WG1868254
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 14:19	WG1868254
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/24/2022 14:19	WG1868254
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 14:19	WG1868254
Dibromomethane	U		0.0400	0.200	1	05/24/2022 14:19	WG1868254
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 14:19	WG1868254
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 14:19	WG1868254
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 14:19	WG1868254
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 14:19	WG1868254
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 14:19	WG1868254
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 14:19	WG1868254
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 14:19	WG1868254
cis-1,2-Dichloroethene	0.401		0.0276	0.100	1	05/24/2022 14:19	WG1868254
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 14:19	WG1868254
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 14:19	WG1868254



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	05/24/2022 14:19	WG1868254
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 14:19	WG1868254
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 14:19	WG1868254
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/24/2022 14:19	WG1868254
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 14:19	WG1868254
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 14:19	WG1868254
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 14:19	WG1868254
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 14:19	WG1868254
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 14:19	WG1868254
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 14:19	WG1868254
2-Butanone (MEK)	U		0.500	1.00	1	05/24/2022 14:19	WG1868254
Methylene Chloride	U		0.265	1.00	1	05/24/2022 14:19	WG1868254
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/24/2022 14:19	WG1868254
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 14:19	WG1868254
Naphthalene	U		0.124	0.500	1	05/24/2022 14:19	WG1868254
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 14:19	WG1868254
Styrene	U		0.109	0.500	1	05/24/2022 14:19	WG1868254
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 14:19	WG1868254
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/24/2022 14:19	WG1868254
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 14:19	WG1868254
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 14:19	WG1868254
Toluene	U		0.0500	0.200	1	05/24/2022 14:19	WG1868254
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/24/2022 14:19	WG1868254
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/24/2022 14:19	WG1868254
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 14:19	WG1868254
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 14:19	WG1868254
Trichloroethene	0.0520		0.0160	0.0400	1	05/24/2022 14:19	WG1868254
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 14:19	WG1868254
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 14:19	WG1868254
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 14:19	WG1868254
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 14:19	WG1868254
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 14:19	WG1868254
Vinyl chloride	U		0.0273	0.100	1	05/24/2022 14:19	WG1868254
Xylenes, Total	U		0.191	0.260	1	05/24/2022 14:19	WG1868254
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 14:19	WG1868254
Tetrahydrofuran	U		0.0900	0.500	1	05/24/2022 14:19	WG1868254
Iodomethane	U		0.242	0.500	1	05/24/2022 14:19	WG1868254
Allyl chloride	U		0.580	1.00	1	05/24/2022 14:19	WG1868254
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/24/2022 14:19	WG1868254
(S) Toluene-d8	104			75.0-131		05/24/2022 14:19	WG1868254
(S) 4-Bromofluorobenzene	93.7			67.0-138		05/24/2022 14:19	WG1868254
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/24/2022 14:19	WG1868254

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	06/06/2022 04:12	WG1874224

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)	8710		102	1000	1	06/04/2022 02:53	WG1874176

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9360		28.1	100	1	05/23/2022 14:44	WG1867150
Manganese	1400		0.704	5.00	1	05/23/2022 14:44	WG1867150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	13200		2.87	6.78	10	05/24/2022 15:08	WG1869455
Ethane	99.8		0.296	1.29	1	05/24/2022 10:29	WG1867441
Ethene	U		0.422	1.27	1	05/24/2022 10:29	WG1867441

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	5.04	C5 J4	0.548	1.00	1	05/24/2022 14:39	WG1868254
Acrylonitrile	U		0.0760	0.500	1	05/24/2022 14:39	WG1868254
Benzene	0.0880		0.0160	0.0400	1	05/24/2022 14:39	WG1868254
Bromobenzene	U		0.0420	0.500	1	05/24/2022 14:39	WG1868254
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 14:39	WG1868254
Bromoform	U		0.239	1.00	1	05/24/2022 14:39	WG1868254
Bromomethane	U		0.148	0.500	1	05/24/2022 14:39	WG1868254
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 14:39	WG1868254
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 14:39	WG1868254
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 14:39	WG1868254
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 14:39	WG1868254
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 14:39	WG1868254
Chlorodibromomethane	U		0.0180	0.100	1	05/24/2022 14:39	WG1868254
Chloroethane	U	C3	0.0432	0.200	1	05/24/2022 14:39	WG1868254
Chloroform	U		0.0166	0.100	1	05/24/2022 14:39	WG1868254
Chloromethane	U	J4	0.0556	0.500	1	05/24/2022 14:39	WG1868254
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 14:39	WG1868254
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 14:39	WG1868254
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/24/2022 14:39	WG1868254
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 14:39	WG1868254
Dibromomethane	U		0.0400	0.200	1	05/24/2022 14:39	WG1868254
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 14:39	WG1868254
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 14:39	WG1868254
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 14:39	WG1868254
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 14:39	WG1868254
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 14:39	WG1868254
1,2-Dichloroethane	0.174		0.0190	0.100	1	05/24/2022 14:39	WG1868254
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 14:39	WG1868254
cis-1,2-Dichloroethene	6.12		0.0276	0.100	1	05/24/2022 14:39	WG1868254
trans-1,2-Dichloroethene	3.80		0.0572	0.200	1	05/24/2022 14:39	WG1868254
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 14:39	WG1868254

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
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 14:39	WG1868254
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 14:39	WG1868254
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 14:39	WG1868254
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/24/2022 14:39	WG1868254
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 14:39	WG1868254
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 14:39	WG1868254
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 14:39	WG1868254
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 14:39	WG1868254
Isopropylbenzene	0.0520	<u>U</u>	0.0345	0.100	1	05/24/2022 14:39	WG1868254
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 14:39	WG1868254
2-Butanone (MEK)	U		0.500	1.00	1	05/24/2022 14:39	WG1868254
Methylene Chloride	U		0.265	1.00	1	05/24/2022 14:39	WG1868254
4-Methyl-2-pentanone (MIBK)	0.473	<u>U</u>	0.400	1.00	1	05/24/2022 14:39	WG1868254
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 14:39	WG1868254
Naphthalene	U		0.124	0.500	1	05/24/2022 14:39	WG1868254
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 14:39	WG1868254
Styrene	U		0.109	0.500	1	05/24/2022 14:39	WG1868254
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 14:39	WG1868254
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/24/2022 14:39	WG1868254
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 14:39	WG1868254
Tetrachloroethene	0.592	<u>C5</u>	0.0280	0.100	1	05/24/2022 14:39	WG1868254
Toluene	0.449		0.0500	0.200	1	05/24/2022 14:39	WG1868254
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/24/2022 14:39	WG1868254
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/24/2022 14:39	WG1868254
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 14:39	WG1868254
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 14:39	WG1868254
Trichloroethene	0.709		0.0160	0.0400	1	05/24/2022 14:39	WG1868254
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 14:39	WG1868254
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 14:39	WG1868254
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 14:39	WG1868254
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 14:39	WG1868254
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 14:39	WG1868254
Vinyl chloride	1.75		0.0273	0.100	1	05/24/2022 14:39	WG1868254
Xylenes, Total	U		0.191	0.260	1	05/24/2022 14:39	WG1868254
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 14:39	WG1868254
Tetrahydrofuran	U		0.0900	0.500	1	05/24/2022 14:39	WG1868254
Iodomethane	U		0.242	0.500	1	05/24/2022 14:39	WG1868254
Allyl chloride	U		0.580	1.00	1	05/24/2022 14:39	WG1868254
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/24/2022 14:39	WG1868254
(S) Toluene-d8	108			75.0-131		05/24/2022 14:39	WG1868254
(S) 4-Bromofluorobenzene	91.4			67.0-138		05/24/2022 14:39	WG1868254
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/24/2022 14:39	WG1868254

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	32800		594	5000	1	06/07/2022 17:27	WG1875472

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)	6840		102	1000	1	06/04/2022 03:08	WG1874176

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	707		28.1	100	1	05/24/2022 00:23	WG1867151
Manganese	2020		0.704	5.00	1	05/24/2022 00:23	WG1867151

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4630		0.287	0.678	1	05/24/2022 10:32	WG1867441
Ethane	3.09		0.296	1.29	1	05/24/2022 10:32	WG1867441
Ethene	1.50		0.422	1.27	1	05/24/2022 10:32	WG1867441

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	81.4	C3	27.4	50.0	50	05/24/2022 16:30	WG1868350
Acrylonitrile	U	C3	3.80	25.0	50	05/24/2022 16:30	WG1868350
Benzene	U		0.800	2.00	50	05/24/2022 16:30	WG1868350
Bromobenzene	U		2.10	25.0	50	05/24/2022 16:30	WG1868350
Bromodichloromethane	U		1.58	5.00	50	05/24/2022 16:30	WG1868350
Bromoform	U	C3 J4	12.0	50.0	50	05/24/2022 16:30	WG1868350
Bromomethane	U		7.40	25.0	50	05/24/2022 16:30	WG1868350
n-Butylbenzene	U		7.65	25.0	50	05/24/2022 16:30	WG1868350
sec-Butylbenzene	U		5.05	25.0	50	05/24/2022 16:30	WG1868350
tert-Butylbenzene	U		3.10	10.0	50	05/24/2022 16:30	WG1868350
Carbon tetrachloride	U		2.16	10.0	50	05/24/2022 16:30	WG1868350
Chlorobenzene	U		1.15	5.00	50	05/24/2022 16:30	WG1868350
Chlorodibromomethane	U	C3	0.900	5.00	50	05/24/2022 16:30	WG1868350
Chloroethane	U		2.16	10.0	50	05/24/2022 16:30	WG1868350
Chloroform	U		0.830	5.00	50	05/24/2022 16:30	WG1868350
Chloromethane	U		2.78	25.0	50	05/24/2022 16:30	WG1868350
2-Chlorotoluene	U		1.84	5.00	50	05/24/2022 16:30	WG1868350
4-Chlorotoluene	U		2.26	10.0	50	05/24/2022 16:30	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	10.2	50.0	50	05/24/2022 16:30	WG1868350
1,2-Dibromoethane	U		1.05	5.00	50	05/24/2022 16:30	WG1868350
Dibromomethane	U		2.00	10.0	50	05/24/2022 16:30	WG1868350
1,2-Dichlorobenzene	U		2.90	10.0	50	05/24/2022 16:30	WG1868350
1,3-Dichlorobenzene	U		3.40	10.0	50	05/24/2022 16:30	WG1868350
1,4-Dichlorobenzene	U		3.94	10.0	50	05/24/2022 16:30	WG1868350
Dichlorodifluoromethane	U		1.64	5.00	50	05/24/2022 16:30	WG1868350
1,1-Dichloroethane	U		1.15	5.00	50	05/24/2022 16:30	WG1868350
1,2-Dichloroethane	U		0.950	5.00	50	05/24/2022 16:30	WG1868350
1,1-Dichloroethene	48.0		1.00	5.00	50	05/24/2022 16:30	WG1868350
cis-1,2-Dichloroethene	588		1.38	5.00	50	05/24/2022 16:30	WG1868350
trans-1,2-Dichloroethene	28.9		2.86	10.0	50	05/24/2022 16:30	WG1868350
1,2-Dichloropropane	U		2.54	10.0	50	05/24/2022 16:30	WG1868350



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		1.40	5.00	50	05/24/2022 16:30	WG1868350
1,3-Dichloropropane	U		3.50	10.0	50	05/24/2022 16:30	WG1868350
cis-1,3-Dichloropropene	U		1.36	5.00	50	05/24/2022 16:30	WG1868350
trans-1,3-Dichloropropene	U	C3	3.06	10.0	50	05/24/2022 16:30	WG1868350
2,2-Dichloropropane	U		1.59	5.00	50	05/24/2022 16:30	WG1868350
Di-isopropyl ether	U		0.700	2.00	50	05/24/2022 16:30	WG1868350
Ethylbenzene	U		1.06	5.00	50	05/24/2022 16:30	WG1868350
Hexachloro-1,3-butadiene	U		25.4	50.0	50	05/24/2022 16:30	WG1868350
Isopropylbenzene	U		1.73	5.00	50	05/24/2022 16:30	WG1868350
p-Isopropyltoluene	U		4.66	10.0	50	05/24/2022 16:30	WG1868350
2-Butanone (MEK)	U	C3	25.0	50.0	50	05/24/2022 16:30	WG1868350
Methylene Chloride	U		13.3	50.0	50	05/24/2022 16:30	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	20.0	50.0	50	05/24/2022 16:30	WG1868350
Methyl tert-butyl ether	U		0.590	2.00	50	05/24/2022 16:30	WG1868350
Naphthalene	U		6.20	25.0	50	05/24/2022 16:30	WG1868350
n-Propylbenzene	U		2.36	10.0	50	05/24/2022 16:30	WG1868350
Styrene	U		5.45	25.0	50	05/24/2022 16:30	WG1868350
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	05/24/2022 16:30	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.780	5.00	50	05/24/2022 16:30	WG1868350
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	05/24/2022 16:30	WG1868350
Tetrachloroethene	4880		1.40	5.00	50	05/24/2022 16:30	WG1868350
Toluene	U		2.50	10.0	50	05/24/2022 16:30	WG1868350
1,2,3-Trichlorobenzene	U	C4	1.25	25.0	50	05/24/2022 16:30	WG1868350
1,2,4-Trichlorobenzene	U	C4	9.65	25.0	50	05/24/2022 16:30	WG1868350
1,1,1-Trichloroethane	U		0.550	5.00	50	05/24/2022 16:30	WG1868350
1,1,2-Trichloroethane	U		1.77	5.00	50	05/24/2022 16:30	WG1868350
Trichloroethene	2860		0.800	2.00	50	05/24/2022 16:30	WG1868350
Trichlorofluoromethane	U		1.00	5.00	50	05/24/2022 16:30	WG1868350
1,2,3-Trichloropropane	U		10.2	25.0	50	05/24/2022 16:30	WG1868350
1,2,4-Trimethylbenzene	U		2.32	10.0	50	05/24/2022 16:30	WG1868350
1,2,3-Trimethylbenzene	U		2.30	10.0	50	05/24/2022 16:30	WG1868350
1,3,5-Trimethylbenzene	U		2.16	10.0	50	05/24/2022 16:30	WG1868350
Vinyl chloride	13.8		1.36	5.00	50	05/24/2022 16:30	WG1868350
Xylenes, Total	U		9.55	13.0	50	05/24/2022 16:30	WG1868350
Ethyl Ether	4.45	J	0.850	5.00	50	05/24/2022 16:30	WG1868350
Tetrahydrofuran	U	C3	4.50	25.0	50	05/24/2022 16:30	WG1868350
Iodomethane	U		12.1	25.0	50	05/24/2022 16:30	WG1868350
Allyl chloride	U		29.0	50.0	50	05/24/2022 16:30	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	2.80	10.0	50	05/24/2022 16:30	WG1868350
(S) Toluene-d8	101			75.0-131		05/24/2022 16:30	WG1868350
(S) 4-Bromofluorobenzene	104			67.0-138		05/24/2022 16:30	WG1868350
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/24/2022 16:30	WG1868350

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	9530		594	5000	1	06/07/2022 17:41	WG1875472

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)	14500		102	1000	1	06/04/2022 03:33	WG1874176

Metals (ICPMS) by Method 6020B

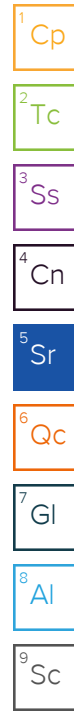
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2740		28.1	100	1	05/24/2022 00:26	WG1867151
Manganese	1090		0.704	5.00	1	05/24/2022 00:26	WG1867151

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	13100		2.87	6.78	10	05/24/2022 15:11	WG1869455
Ethane	29.9		0.296	1.29	1	05/24/2022 10:38	WG1867441
Ethene	814		0.422	1.27	1	05/24/2022 10:38	WG1867441

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	487	C3	137	250	250	05/24/2022 16:49	WG1868350
Acrylonitrile	U	C3	19.0	125	250	05/24/2022 16:49	WG1868350
Benzene	U		4.00	10.0	250	05/24/2022 16:49	WG1868350
Bromobenzene	U		10.5	125	250	05/24/2022 16:49	WG1868350
Bromodichloromethane	U		7.88	25.0	250	05/24/2022 16:49	WG1868350
Bromoform	U	C3 J4	59.8	250	250	05/24/2022 16:49	WG1868350
Bromomethane	U		37.0	125	250	05/24/2022 16:49	WG1868350
n-Butylbenzene	U		38.3	125	250	05/24/2022 16:49	WG1868350
sec-Butylbenzene	U		25.3	125	250	05/24/2022 16:49	WG1868350
tert-Butylbenzene	U		15.5	50.0	250	05/24/2022 16:49	WG1868350
Carbon tetrachloride	U		10.8	50.0	250	05/24/2022 16:49	WG1868350
Chlorobenzene	U		5.73	25.0	250	05/24/2022 16:49	WG1868350
Chlorodibromomethane	U	C3	4.50	25.0	250	05/24/2022 16:49	WG1868350
Chloroethane	U		10.8	50.0	250	05/24/2022 16:49	WG1868350
Chloroform	U		4.15	25.0	250	05/24/2022 16:49	WG1868350
Chloromethane	U		13.9	125	250	05/24/2022 16:49	WG1868350
2-Chlorotoluene	U		9.20	25.0	250	05/24/2022 16:49	WG1868350
4-Chlorotoluene	U		11.3	50.0	250	05/24/2022 16:49	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	51.0	250	250	05/24/2022 16:49	WG1868350
1,2-Dibromoethane	U		5.25	25.0	250	05/24/2022 16:49	WG1868350
Dibromomethane	U		10.0	50.0	250	05/24/2022 16:49	WG1868350
1,2-Dichlorobenzene	U		14.5	50.0	250	05/24/2022 16:49	WG1868350
1,3-Dichlorobenzene	U		17.0	50.0	250	05/24/2022 16:49	WG1868350
1,4-Dichlorobenzene	U		19.7	50.0	250	05/24/2022 16:49	WG1868350
Dichlorodifluoromethane	U		8.18	25.0	250	05/24/2022 16:49	WG1868350
1,1-Dichloroethane	U		5.75	25.0	250	05/24/2022 16:49	WG1868350
1,2-Dichloroethane	U		4.75	25.0	250	05/24/2022 16:49	WG1868350
1,1-Dichloroethene	42.3		5.00	25.0	250	05/24/2022 16:49	WG1868350
cis-1,2-Dichloroethene	5960		6.90	25.0	250	05/24/2022 16:49	WG1868350
trans-1,2-Dichloroethene	229		14.3	50.0	250	05/24/2022 16:49	WG1868350
1,2-Dichloropropane	U		12.7	50.0	250	05/24/2022 16:49	WG1868350



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	05/24/2022 16:49	WG1868350
1,3-Dichloropropane	U		17.5	50.0	250	05/24/2022 16:49	WG1868350
cis-1,3-Dichloropropene	U		6.78	25.0	250	05/24/2022 16:49	WG1868350
trans-1,3-Dichloropropene	U	C3	15.3	50.0	250	05/24/2022 16:49	WG1868350
2,2-Dichloropropane	U		7.93	25.0	250	05/24/2022 16:49	WG1868350
Di-isopropyl ether	U		3.50	10.0	250	05/24/2022 16:49	WG1868350
Ethylbenzene	U		5.30	25.0	250	05/24/2022 16:49	WG1868350
Hexachloro-1,3-butadiene	U		127	250	250	05/24/2022 16:49	WG1868350
Isopropylbenzene	U		8.63	25.0	250	05/24/2022 16:49	WG1868350
p-Isopropyltoluene	U		23.3	50.0	250	05/24/2022 16:49	WG1868350
2-Butanone (MEK)	U	C3	125	250	250	05/24/2022 16:49	WG1868350
Methylene Chloride	U		66.3	250	250	05/24/2022 16:49	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	100	250	250	05/24/2022 16:49	WG1868350
Methyl tert-butyl ether	U		2.95	10.0	250	05/24/2022 16:49	WG1868350
Naphthalene	U		31.0	125	250	05/24/2022 16:49	WG1868350
n-Propylbenzene	U		11.8	50.0	250	05/24/2022 16:49	WG1868350
Styrene	U		27.3	125	250	05/24/2022 16:49	WG1868350
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	05/24/2022 16:49	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	3.90	25.0	250	05/24/2022 16:49	WG1868350
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	05/24/2022 16:49	WG1868350
Tetrachloroethene	464		7.00	25.0	250	05/24/2022 16:49	WG1868350
Toluene	U		12.5	50.0	250	05/24/2022 16:49	WG1868350
1,2,3-Trichlorobenzene	U	C4	6.25	125	250	05/24/2022 16:49	WG1868350
1,2,4-Trichlorobenzene	U	C4	48.3	125	250	05/24/2022 16:49	WG1868350
1,1,1-Trichloroethane	U		2.75	25.0	250	05/24/2022 16:49	WG1868350
1,1,2-Trichloroethane	U		8.83	25.0	250	05/24/2022 16:49	WG1868350
Trichloroethene	78.8		4.00	10.0	250	05/24/2022 16:49	WG1868350
Trichlorofluoromethane	U		5.00	25.0	250	05/24/2022 16:49	WG1868350
1,2,3-Trichloropropane	U		51.0	125	250	05/24/2022 16:49	WG1868350
1,2,4-Trimethylbenzene	U		11.6	50.0	250	05/24/2022 16:49	WG1868350
1,2,3-Trimethylbenzene	U		11.5	50.0	250	05/24/2022 16:49	WG1868350
1,3,5-Trimethylbenzene	U		10.8	50.0	250	05/24/2022 16:49	WG1868350
Vinyl chloride	11800		6.82	25.0	250	05/24/2022 16:49	WG1868350
Xylenes, Total	U		47.8	65.0	250	05/24/2022 16:49	WG1868350
Ethyl Ether	U		4.25	25.0	250	05/24/2022 16:49	WG1868350
Tetrahydrofuran	U	C3	22.5	125	250	05/24/2022 16:49	WG1868350
Iodomethane	U		60.5	125	250	05/24/2022 16:49	WG1868350
Allyl chloride	U		145	250	250	05/24/2022 16:49	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	14.0	50.0	250	05/24/2022 16:49	WG1868350
(S) Toluene-d8	98.6			75.0-131		05/24/2022 16:49	WG1868350
(S) 4-Bromofluorobenzene	105			67.0-138		05/24/2022 16:49	WG1868350
(S) 1,2-Dichloroethane-d4	106			70.0-130		05/24/2022 16:49	WG1868350

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

Method Blank (MB)

(MB) R3799964-1 06/05/22 18:18

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1492552-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1492552-01 06/05/22 19:36 • (DUP) R3799964-3 06/05/22 19:51

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	30100	30000	1	0.131		15

L1493992-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1493992-08 06/06/22 04:12 • (DUP) R3799964-8 06/06/22 04:28

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3799964-2 06/05/22 18:33

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	40200	101	80.0-120	

L1493528-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1493528-01 06/05/22 20:07 • (MS) R3799964-4 06/05/22 20:22 • (MSD) R3799964-5 06/05/22 20:38

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	91000	U	U	0.000	0.000	1	80.0-120	J6	J6	0.000	15

L1493533-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1493533-01 06/06/22 00:52 • (MS) R3799964-6 06/06/22 01:07 • (MSD) R3799964-7 06/06/22 01:23

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	53700	97400	97900	87.3	88.3	1	80.0-120			0.490	15

Method Blank (MB)

(MB) R3801259-1 06/07/22 10:18

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

L1493604-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1493604-01 06/07/22 12:24 • (DUP) R3801259-3 06/07/22 12:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	23100	22800	1	1.22		15

⁴Cn

⁵Sr

L1493992-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1493992-10 06/07/22 17:41 • (DUP) R3801259-6 06/07/22 17:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	9530	9470	1	0.619		15

⁶Qc

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3801259-2 06/07/22 10:31

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	40800	102	80.0-120	

⁹Sc

L1493604-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1493604-01 06/07/22 12:24 • (MS) R3801259-4 06/07/22 12:50 • (MSD) R3801259-5 06/07/22 13:03

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	23100	73100	71200	100	96.2	1	80.0-120			2.64	15

L1493992-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1493992-10 06/07/22 17:41 • (MS) R3801259-7 06/07/22 18:07

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	9530	62800	107	1	80.0-120	

Method Blank (MB)

(MB) R3799406-2 06/03/22 17:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	447	↓	102	1000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1493721-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1493721-02 06/03/22 21:51 • (DUP) R3799406-5 06/03/22 22:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	7340	7330	1	0.0954		20

L1493992-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1493992-04 06/04/22 00:46 • (DUP) R3799406-8 06/04/22 01:03

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	4150	4190	1	1.08		20

Laboratory Control Sample (LCS)

(LCS) R3799406-1 06/03/22 17:23

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	71200	94.9	85.0-115	

L1493654-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1493654-12 06/03/22 20:20 • (MS) R3799406-3 06/03/22 20:45 • (MSD) R3799406-4 06/03/22 21:07

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	429	48100	48200	95.3	95.5	1	80.0-120			0.249	20

L1493992-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1493992-02 06/03/22 23:33 • (MS) R3799406-6 06/03/22 23:56 • (MSD) R3799406-7 06/04/22 00:17

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	5730	53500	52700	95.6	94.0	1	80.0-120			1.54	20

Method Blank (MB)

(MB) R3794953-1 05/23/22 12:16

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3794953-2 05/23/22 12:19

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	5250	105	80.0-120	
Manganese	50.0	49.7	99.4	80.0-120	

L1493991-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1493991-04 05/23/22 12:22 • (MS) R3794953-4 05/23/22 12:29 • (MSD) R3794953-5 05/23/22 12:32

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000		5670	5700	100	101	1	75.0-125			0.429	20
Manganese	50.0		114	114	88.4	88.1	1	75.0-125			0.134	20

Method Blank (MB)

(MB) R3795237-1 05/23/22 23:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Iron	U		28.1	100
Manganese	0.965	<u>J</u>	0.704	5.00

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R3795237-2 05/23/22 23:39

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	5100	102	80.0-120	
Manganese	50.0	48.2	96.3	80.0-120	

⁴Cn

⁵Sr

⁶Qc

L1493832-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1493832-02 05/23/22 23:42 • (MS) R3795237-4 05/23/22 23:49 • (MSD) R3795237-5 05/23/22 23:52

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	20600	26400	24600	115	78.6	1	75.0-125			7.17	20
Manganese	50.0	19400	19200	19000	0.000	0.000	1	75.0-125	<u>EV</u>	<u>EV</u>	1.15	20

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3794511-2 05/21/22 13:55

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

L1493787-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1493787-26 05/21/22 14:29 • (DUP) R3794511-3 05/21/22 14:32

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

L1493992-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1493992-06 05/21/22 15:29 • (DUP) R3794511-4 05/21/22 15:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	3190	3820	1	18.0		20
Ethane	2.65	2.52	1	5.03		20
Ethene	U	U	1	0.000		20

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

(LCS) R3794511-1 05/21/22 13:53 • (LCSD) R3794511-7 05/21/22 15:42

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	68.0	69.6	100	103	85.0-115			2.33	20
Ethane	129	119	119	92.2	92.2	85.0-115			0.000	20
Ethene	127	120	120	94.5	94.5	85.0-115			0.000	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1493787-28 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1493787-28 05/21/22 14:35 • (MS) R3794511-5 05/21/22 15:36 • (MSD) R3794511-6 05/21/22 15:39

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 %
Methane	67.8	61.9	158	153	142	134	1	85.0-115	J5	J5	3.22	20
Ethane	129	3.26	135	128	105	99.2	1	85.0-115			5.32	20
Ethene	127	0.900	134	127	106	100	1	85.0-115			5.36	20

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

Method Blank (MB)

(MB) R3795817-2 05/24/22 09:52

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

Method Blank (MB)

(MB) R3795817-8 05/24/22 14:06

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

L1495218-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1495218-01 05/24/22 14:10 • (DUP) R3795817-9 05/24/22 14:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	956	968	1	1.25		20
Ethane	1.32	1.23	1	200	J P1	20
Ethene	U	U	1	0.000		20

L1494104-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1494104-05 05/24/22 11:04 • (DUP) R3795817-3 05/24/22 11:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	112	114	1	1.77		20
Ethane	1.31	1.24	1	5.49	J	20
Ethene	U	U	1	0.000		20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3795817-1 05/24/22 09:47 • (LCSD) R3795817-7 05/24/22 12:38

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 %
Methane	67.8	70.2	71.0	104	105	85.0-115			1.13	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

L1494463-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1494463-01 05/24/22 11:46 • (MS) R3795817-5 05/24/22 12:27 • (MSD) R3795817-6 05/24/22 12:33

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	552	824	858	401	451	1	85.0-115	V	V	4.04	20
Ethane	129	U	131	131	102	102	1	85.0-115			0.000	20
Ethene	127	U	133	133	105	105	1	85.0-115			0.000	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3795831-2 05/24/22 15:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

1 Cp

2 Tc

3 Ss

L1494104-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1494104-19 05/24/22 15:23 • (DUP) R3795831-3 05/24/22 15:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	23400	23800	10	1.69		20

4 Cn

5 Sr

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

(LCS) R3795831-1 05/24/22 14:59 • (LCSD) R3795831-4 05/24/22 15:30

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Methane	67.8	69.4	69.6	102	103	85.0-115			0.288	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3794009-3 05/19/22 12:17

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3794009-3 05/19/22 12:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	107			75.0-131
(S) 4-Bromofluorobenzene	101			67.0-138
(S) 1,2-Dichloroethane-d4	97.8			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3794009-1 05/19/22 11:01 • (LCSD) R3794009-2 05/19/22 11:20

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	26.0	23.6	104	94.4	10.0-160			9.68	31
Acrylonitrile	25.0	24.3	22.8	97.2	91.2	45.0-153			6.37	22
Benzene	5.00	4.84	4.58	96.8	91.6	70.0-123			5.52	20
Bromobenzene	5.00	5.45	5.27	109	105	73.0-121			3.36	20
Bromodichloromethane	5.00	5.07	4.79	101	95.8	73.0-121			5.68	20
Bromoform	5.00	4.78	4.56	95.6	91.2	64.0-132			4.71	20
Bromomethane	5.00	4.40	4.31	88.0	86.2	56.0-147			2.07	20
n-Butylbenzene	5.00	5.11	5.09	102	102	68.0-135			0.392	20
sec-Butylbenzene	5.00	5.07	4.92	101	98.4	74.0-130			3.00	20
tert-Butylbenzene	5.00	5.25	5.07	105	101	75.0-127			3.49	20
Carbon tetrachloride	5.00	5.86	5.48	117	110	66.0-128			6.70	20
Chlorobenzene	5.00	4.75	4.77	95.0	95.4	76.0-128			0.420	20
Chlorodibromomethane	5.00	4.98	4.83	99.6	96.6	74.0-127			3.06	20
Chloroethane	5.00	4.68	4.16	93.6	83.2	61.0-134			11.8	20
Chloroform	5.00	4.99	4.77	99.8	95.4	72.0-123			4.51	20
Chloromethane	5.00	4.86	4.57	97.2	91.4	51.0-138			6.15	20
2-Chlorotoluene	5.00	5.10	4.98	102	99.6	75.0-124			2.38	20
4-Chlorotoluene	5.00	5.32	5.26	106	105	75.0-124			1.13	20
1,2-Dibromo-3-Chloropropane	5.00	5.22	4.74	104	94.8	59.0-130			9.64	20
1,2-Dibromoethane	5.00	5.15	5.02	103	100	74.0-128			2.56	20
Dibromomethane	5.00	4.96	4.68	99.2	93.6	75.0-122			5.81	20
1,2-Dichlorobenzene	5.00	5.39	5.25	108	105	76.0-124			2.63	20
1,3-Dichlorobenzene	5.00	5.09	5.06	102	101	76.0-125			0.591	20
1,4-Dichlorobenzene	5.00	5.01	4.97	100	99.4	77.0-121			0.802	20
Dichlorodifluoromethane	5.00	4.71	4.71	94.2	94.2	43.0-156			0.000	20
1,1-Dichloroethane	5.00	4.90	4.55	98.0	91.0	70.0-127			7.41	20
1,2-Dichloroethane	5.00	5.30	4.98	106	99.6	65.0-131			6.23	20
1,1-Dichloroethene	5.00	5.38	5.05	108	101	65.0-131			6.33	20
cis-1,2-Dichloroethene	5.00	5.23	5.06	105	101	73.0-125			3.30	20
trans-1,2-Dichloroethene	5.00	5.03	4.73	101	94.6	71.0-125			6.15	20
1,2-Dichloropropane	5.00	4.94	4.83	98.8	96.6	74.0-125			2.25	20
1,1-Dichloropropene	5.00	5.19	4.96	104	99.2	73.0-125			4.53	20
1,3-Dichloropropane	5.00	4.98	4.83	99.6	96.6	80.0-125			3.06	20
cis-1,3-Dichloropropene	5.00	4.97	4.78	99.4	95.6	76.0-127			3.90	20
trans-1,3-Dichloropropene	5.00	4.70	4.85	94.0	97.0	73.0-127			3.14	20
2,2-Dichloropropane	5.00	5.44	5.20	109	104	59.0-135			4.51	20
Di-isopropyl ether	5.00	5.11	4.82	102	96.4	60.0-136			5.84	20
Ethylbenzene	5.00	4.77	4.77	95.4	95.4	74.0-126			0.000	20
Hexachloro-1,3-butadiene	5.00	5.55	5.05	111	101	57.0-150			9.43	20
Isopropylbenzene	5.00	5.00	4.94	100	98.8	72.0-127			1.21	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3794009-1 05/19/22 11:01 • (LCSD) R3794009-2 05/19/22 11:20

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 %
p-Isopropyltoluene	5.00	5.07	5.10	101	102	72.0-133			0.590	20
2-Butanone (MEK)	25.0	29.2	24.9	117	99.6	30.0-160			15.9	24
Methylene Chloride	5.00	5.17	4.95	103	99.0	68.0-123			4.35	20
4-Methyl-2-pentanone (MIBK)	25.0	26.7	26.1	107	104	56.0-143			2.27	20
Methyl tert-butyl ether	5.00	5.47	5.22	109	104	66.0-132			4.68	20
Naphthalene	5.00	5.07	4.95	101	99.0	59.0-130			2.40	20
n-Propylbenzene	5.00	5.36	5.20	107	104	74.0-126			3.03	20
Styrene	5.00	5.04	4.98	101	99.6	72.0-127			1.20	20
1,1,1,2-Tetrachloroethane	5.00	4.85	4.81	97.0	96.2	74.0-129			0.828	20
1,1,2,2-Tetrachloroethane	5.00	5.05	4.98	101	99.6	68.0-128			1.40	20
1,1,2-Trichlorotrifluoroethane	5.00	4.72	4.63	94.4	92.6	61.0-139			1.93	20
Tetrachloroethene	5.00	4.88	4.93	97.6	98.6	70.0-136			1.02	20
Toluene	5.00	4.59	4.57	91.8	91.4	75.0-121			0.437	20
1,2,3-Trichlorobenzene	5.00	4.99	4.74	99.8	94.8	59.0-139			5.14	20
1,2,4-Trichlorobenzene	5.00	5.33	4.97	107	99.4	62.0-137			6.99	20
1,1,1-Trichloroethane	5.00	5.35	5.08	107	102	69.0-126			5.18	20
1,1,2-Trichloroethane	5.00	4.81	4.85	96.2	97.0	78.0-123			0.828	20
Trichloroethene	5.00	5.04	4.87	101	97.4	76.0-126			3.43	20
Trichlorofluoromethane	5.00	4.45	4.20	89.0	84.0	61.0-142			5.78	20
1,2,3-Trichloropropane	5.00	5.29	4.96	106	99.2	67.0-129			6.44	20
1,2,4-Trimethylbenzene	5.00	4.99	4.86	99.8	97.2	70.0-126			2.64	20
1,2,3-Trimethylbenzene	5.00	4.94	4.72	98.8	94.4	74.0-124			4.55	20
1,3,5-Trimethylbenzene	5.00	4.98	4.80	99.6	96.0	73.0-127			3.68	20
Vinyl chloride	5.00	4.76	4.73	95.2	94.6	63.0-134			0.632	20
Xylenes, Total	15.0	15.1	15.0	101	100	72.0-127			0.664	20
Ethyl ether	5.00	5.22	4.62	104	92.4	64.0-137			12.2	20
Tetrahydrofuran	5.00	5.66	5.29	113	106	37.0-146			6.76	24
Iodomethane	25.0	26.2	25.2	105	101	74.0-134			3.89	20
Allyl chloride	25.0	26.1	24.9	104	99.6	70.0-131			4.71	20
trans-1,4-Dichloro-2-butene	5.00	4.92	4.15	98.4	83.0	45.0-143			17.0	20
(S) Toluene-d8				99.4	103	75.0-131				
(S) 4-Bromofluorobenzene				101	100	67.0-138				
(S) 1,2-Dichloroethane-d4				103	100	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3795520-1 05/24/22 05:05

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3795520-1 05/24/22 05:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	107			75.0-131
(S) 4-Bromofluorobenzene	93.9			67.0-138
(S) 1,2-Dichloroethane-d4	102			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3795520-2 05/24/22 10:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	43.5	174	10.0-160	J4
Acrylonitrile	25.0	28.1	112	45.0-153	
Benzene	5.00	4.58	91.6	70.0-123	
Bromobenzene	5.00	5.68	114	73.0-121	
Bromodichloromethane	5.00	4.68	93.6	73.0-121	
Bromoform	5.00	5.30	106	64.0-132	
Bromomethane	5.00	4.13	82.6	56.0-147	
n-Butylbenzene	5.00	5.01	100	68.0-135	
sec-Butylbenzene	5.00	4.83	96.6	74.0-130	
tert-Butylbenzene	5.00	4.95	99.0	75.0-127	
Carbon tetrachloride	5.00	4.43	88.6	66.0-128	
Chlorobenzene	5.00	5.32	106	76.0-128	
Chlorodibromomethane	5.00	5.30	106	74.0-127	
Chloroethane	5.00	3.44	68.8	61.0-134	
Chloroform	5.00	4.94	98.8	72.0-123	
Chloromethane	5.00	7.03	141	51.0-138	J4
2-Chlorotoluene	5.00	5.50	110	75.0-124	
4-Chlorotoluene	5.00	5.51	110	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	5.42	108	59.0-130	
1,2-Dibromoethane	5.00	5.51	110	74.0-128	
Dibromomethane	5.00	4.63	92.6	75.0-122	
1,2-Dichlorobenzene	5.00	5.80	116	76.0-124	
1,3-Dichlorobenzene	5.00	5.90	118	76.0-125	
1,4-Dichlorobenzene	5.00	5.72	114	77.0-121	
Dichlorodifluoromethane	5.00	4.66	93.2	43.0-156	
1,1-Dichloroethane	5.00	4.61	92.2	70.0-127	
1,2-Dichloroethane	5.00	5.13	103	65.0-131	
1,1-Dichloroethene	5.00	4.94	98.8	65.0-131	
cis-1,2-Dichloroethene	5.00	4.96	99.2	73.0-125	
trans-1,2-Dichloroethene	5.00	4.73	94.6	71.0-125	
1,2-Dichloropropane	5.00	4.56	91.2	74.0-125	
1,1-Dichloropropene	5.00	4.61	92.2	73.0-125	
1,3-Dichloropropane	5.00	5.18	104	80.0-125	
cis-1,3-Dichloropropene	5.00	4.47	89.4	76.0-127	
trans-1,3-Dichloropropene	5.00	4.76	95.2	73.0-127	
2,2-Dichloropropane	5.00	4.56	91.2	59.0-135	
Di-isopropyl ether	5.00	5.77	115	60.0-136	
Ethylbenzene	5.00	5.62	112	74.0-126	
Hexachloro-1,3-butadiene	5.00	5.55	111	57.0-150	
Isopropylbenzene	5.00	5.54	111	72.0-127	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3795520-2 05/24/22 10:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
p-Isopropyltoluene	5.00	5.11	102	72.0-133	
2-Butanone (MEK)	25.0	23.6	94.4	30.0-160	
Methylene Chloride	5.00	4.72	94.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	33.5	134	56.0-143	
Methyl tert-butyl ether	5.00	4.70	94.0	66.0-132	
Naphthalene	5.00	4.99	99.8	59.0-130	
n-Propylbenzene	5.00	5.27	105	74.0-126	
Styrene	5.00	5.79	116	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	5.42	108	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	4.89	97.8	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.44	88.8	61.0-139	
Tetrachloroethene	5.00	6.03	121	70.0-136	
Toluene	5.00	4.98	99.6	75.0-121	
1,2,3-Trichlorobenzene	5.00	4.58	91.6	59.0-139	
1,2,4-Trichlorobenzene	5.00	5.99	120	62.0-137	
1,1,1-Trichloroethane	5.00	5.08	102	69.0-126	
1,1,2-Trichloroethane	5.00	5.35	107	78.0-123	
Trichloroethene	5.00	5.44	109	76.0-126	
Trichlorofluoromethane	5.00	5.33	107	61.0-142	
1,2,3-Trichloropropane	5.00	5.35	107	67.0-129	
1,2,4-Trimethylbenzene	5.00	5.34	107	70.0-126	
1,2,3-Trimethylbenzene	5.00	5.13	103	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.74	94.8	73.0-127	
Vinyl chloride	5.00	4.44	88.8	63.0-134	
Xylenes, Total	15.0	16.5	110	72.0-127	
Ethyl ether	5.00	5.87	117	64.0-137	
Tetrahydrofuran	5.00	5.89	118	37.0-146	
Iodomethane	25.0	24.3	97.2	74.0-134	
Allyl chloride	25.0	22.8	91.2	70.0-131	
trans-1,4-Dichloro-2-butene	5.00	4.60	92.0	45.0-143	
<i>(S) Toluene-d8</i>			99.3	75.0-131	
<i>(S) 4-Bromofluorobenzene</i>			94.1	67.0-138	
<i>(S) 1,2-Dichloroethane-d4</i>			103	70.0-130	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1495580-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1495580-09 05/24/22 15:36 • (MS) R3795520-3 05/24/22 16:53 • (MSD) R3795520-4 05/24/22 17:12

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 %
Acetone	25.0	U	339	299	1360	1200	1	10.0-160	J5	J5	12.5	40
Acrylonitrile	25.0	U	39.3	38.0	157	152	1	10.0-160			3.36	40
Benzene	5.00	1.26	6.69	7.12	109	117	1	10.0-149			6.23	37
Bromobenzene	5.00	U	6.75	7.60	135	152	1	10.0-156			11.8	38
Bromodichloromethane	5.00	U	5.92	6.21	118	124	1	10.0-143			4.78	37
Bromoform	5.00	U	6.13	6.50	123	130	1	10.0-146			5.86	36
Bromomethane	5.00	U	5.51	5.98	110	120	1	10.0-149			8.18	38
n-Butylbenzene	5.00	0.727	5.23	5.53	90.1	96.1	1	10.0-160			5.58	40
sec-Butylbenzene	5.00	5.38	11.4	11.4	120	120	1	10.0-159			0.000	39
tert-Butylbenzene	5.00	3.57	9.69	9.87	122	126	1	10.0-156			1.84	39
Carbon tetrachloride	5.00	U	6.05	6.26	121	125	1	10.0-145			3.41	37
Chlorobenzene	5.00	U	6.21	6.61	124	132	1	10.0-152			6.24	39
Chlorodibromomethane	5.00	U	6.35	6.88	127	138	1	10.0-146			8.01	37
Chloroethane	5.00	U	5.37	5.75	107	115	1	10.0-146			6.83	40
Chloroform	5.00	U	6.50	6.65	130	133	1	10.0-146			2.28	37
Chloromethane	5.00	U	9.14	9.07	183	181	1	10.0-159	J5	J5	0.769	37
2-Chlorotoluene	5.00	U	6.67	7.36	133	147	1	10.0-159			9.84	38
4-Chlorotoluene	5.00	U	6.58	7.03	132	141	1	10.0-155			6.61	39
1,2-Dibromo-3-Chloropropane	5.00	U	6.14	6.54	123	131	1	10.0-151			6.31	39
1,2-Dibromoethane	5.00	U	6.19	6.66	124	133	1	10.0-148			7.32	34
Dibromomethane	5.00	U	5.82	6.25	116	125	1	10.0-147			7.13	35
1,2-Dichlorobenzene	5.00	U	6.26	6.89	125	138	1	10.0-155			9.58	37
1,3-Dichlorobenzene	5.00	U	6.58	7.10	132	142	1	10.0-153			7.60	38
1,4-Dichlorobenzene	5.00	U	6.24	6.60	125	132	1	10.0-151			5.61	38
Dichlorodifluoromethane	5.00	U	5.55	5.71	111	114	1	10.0-160			2.84	35
1,1-Dichloroethane	5.00	U	6.29	6.57	126	131	1	10.0-147			4.35	37
1,2-Dichloroethane	5.00	U	6.16	6.61	123	132	1	10.0-148			7.05	35
1,1-Dichloroethene	5.00	U	6.41	6.83	128	137	1	10.0-155			6.34	37
cis-1,2-Dichloroethene	5.00	1.94	7.80	8.22	117	126	1	10.0-149			5.24	37
trans-1,2-Dichloroethene	5.00	U	5.96	6.54	119	131	1	10.0-150			9.28	37
1,2-Dichloropropane	5.00	U	5.63	5.86	113	117	1	10.0-148			4.00	37
1,1-Dichloropropene	5.00	U	6.12	6.33	122	127	1	10.0-153			3.37	35
1,3-Dichloropropane	5.00	U	5.98	6.12	120	122	1	10.0-154			2.31	35
cis-1,3-Dichloropropene	5.00	U	5.28	5.54	106	111	1	10.0-151			4.81	37
trans-1,3-Dichloropropene	5.00	U	5.46	5.75	109	115	1	10.0-148			5.17	37
2,2-Dichloropropane	5.00	U	5.75	5.97	115	119	1	10.0-138			3.75	36
Di-isopropyl ether	5.00	U	7.30	7.81	146	156	1	10.0-147		J5	6.75	36
Ethylbenzene	5.00	0.205	6.81	7.23	132	141	1	10.0-160			5.98	38
Hexachloro-1,3-butadiene	5.00	U	4.86	5.28	97.2	106	1	10.0-160			8.28	40
Isopropylbenzene	5.00	6.98	13.3	13.4	126	128	1	10.0-155			0.749	38

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1495580-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1495580-09 05/24/22 15:36 • (MS) R3795520-3 05/24/22 16:53 • (MSD) R3795520-4 05/24/22 17:12

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 %
p-Isopropyltoluene	5.00	U	5.85	6.25	117	125	1	10.0-160			6.61	40
2-Butanone (MEK)	25.0	U	58.6	57.4	234	230	1	10.0-160	J5	J5	2.07	40
Methylene Chloride	5.00	U	6.01	6.53	120	131	1	10.0-141			8.29	37
4-Methyl-2-pentanone (MIBK)	25.0	U	39.2	41.3	157	165	1	10.0-160		J5	5.22	35
Methyl tert-butyl ether	5.00	1.73	7.57	8.06	117	127	1	11.0-147			6.27	35
Naphthalene	5.00	U	6.84	7.10	137	142	1	10.0-160			3.73	36
n-Propylbenzene	5.00	0.234	6.64	7.10	128	137	1	10.0-158			6.70	38
Styrene	5.00	U	6.47	6.91	129	138	1	10.0-160			6.58	40
1,1,1,2-Tetrachloroethane	5.00	U	6.48	6.74	130	135	1	10.0-149			3.93	39
1,1,2,2-Tetrachloroethane	5.00	U	6.28	6.88	126	138	1	10.0-160			9.12	35
1,1,2-Trichlorotrifluoroethane	5.00	U	5.43	5.54	109	111	1	10.0-160			2.01	36
Tetrachloroethene	5.00	U	6.86	7.48	137	150	1	10.0-156			8.65	39
Toluene	5.00	0.345	6.17	6.42	117	122	1	10.0-156			3.97	38
1,2,3-Trichlorobenzene	5.00	U	4.64	5.24	92.8	105	1	10.0-160			12.1	40
1,2,4-Trichlorobenzene	5.00	U	5.95	6.66	119	133	1	10.0-160			11.3	40
1,1,1-Trichloroethane	5.00	U	6.89	6.94	138	139	1	10.0-144			0.723	35
1,1,2-Trichloroethane	5.00	U	7.13	7.65	143	153	1	10.0-160			7.04	35
Trichloroethene	5.00	0.0910	6.44	6.96	127	137	1	10.0-156			7.76	38
Trichlorofluoromethane	5.00	U	5.15	5.69	103	114	1	10.0-160			9.96	40
1,2,3-Trichloropropane	5.00	U	6.31	7.13	126	143	1	10.0-156			12.2	35
1,2,4-Trimethylbenzene	5.00	U	6.37	6.77	127	135	1	10.0-160			6.09	36
1,2,3-Trimethylbenzene	5.00	0.0780	5.79	6.27	114	124	1	10.0-160			7.96	36
1,3,5-Trimethylbenzene	5.00	U	5.64	6.16	113	123	1	10.0-160			8.81	38
Vinyl chloride	5.00	U	5.59	6.22	112	124	1	10.0-160			10.7	37
Xylenes, Total	15.0	U	19.6	20.5	131	137	1	10.0-160			4.49	38
Ethyl ether	5.00	U	5.62	6.39	112	128	1	10.0-160			12.8	31
Tetrahydrofuran	5.00	U	7.36	6.10	147	122	1	10.0-158			18.7	33
Iodomethane	25.0	U	30.4	32.6	122	130	1	10.0-160			6.98	38
Allyl chloride	25.0	U	29.6	31.4	118	126	1	10.0-160			5.90	30
trans-1,4-Dichloro-2-butene	5.00	U	5.94	6.30	119	126	1	10.0-152			5.88	36
(S) Toluene-d8					94.9	95.8		75.0-131				
(S) 4-Bromofluorobenzene					92.4	92.0		67.0-138				
(S) 1,2-Dichloroethane-d4					108	105		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3795594-3 05/24/22 10:48

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3795594-3 05/24/22 10:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	102			75.0-131
(S) 4-Bromofluorobenzene	104			67.0-138
(S) 1,2-Dichloroethane-d4	102			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3795594-1 05/24/22 08:51 • (LCSD) R3795594-2 05/24/22 09:11

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	15.8	16.5	63.2	66.0	10.0-160			4.33	31
Acrylonitrile	25.0	17.1	19.3	68.4	77.2	45.0-153			12.1	22
Benzene	5.00	4.33	4.67	86.6	93.4	70.0-123			7.56	20
Bromobenzene	5.00	4.25	4.77	85.0	95.4	73.0-121			11.5	20
Bromodichloromethane	5.00	4.53	4.91	90.6	98.2	73.0-121			8.05	20
Bromoform	5.00	3.10	3.77	62.0	75.4	64.0-132	J4		19.5	20
Bromomethane	5.00	4.87	5.39	97.4	108	56.0-147			10.1	20
n-Butylbenzene	5.00	4.35	5.01	87.0	100	68.0-135			14.1	20
sec-Butylbenzene	5.00	4.48	5.15	89.6	103	74.0-130			13.9	20
tert-Butylbenzene	5.00	4.07	4.64	81.4	92.8	75.0-127			13.1	20
Carbon tetrachloride	5.00	4.71	5.26	94.2	105	66.0-128			11.0	20
Chlorobenzene	5.00	4.40	4.99	88.0	99.8	76.0-128			12.6	20
Chlorodibromomethane	5.00	3.89	4.61	77.8	92.2	74.0-127			16.9	20
Chloroethane	5.00	5.43	5.76	109	115	61.0-134			5.90	20
Chloroform	5.00	4.82	5.30	96.4	106	72.0-123			9.49	20
Chloromethane	5.00	5.84	6.27	117	125	51.0-138			7.10	20
2-Chlorotoluene	5.00	4.02	4.52	80.4	90.4	75.0-124			11.7	20
4-Chlorotoluene	5.00	4.04	4.45	80.8	89.0	75.0-124			9.66	20
1,2-Dibromo-3-Chloropropane	5.00	3.04	3.33	60.8	66.6	59.0-130			9.11	20
1,2-Dibromoethane	5.00	4.18	4.71	83.6	94.2	74.0-128			11.9	20
Dibromomethane	5.00	4.47	4.73	89.4	94.6	75.0-122			5.65	20
1,2-Dichlorobenzene	5.00	4.49	4.95	89.8	99.0	76.0-124			9.75	20
1,3-Dichlorobenzene	5.00	4.50	4.94	90.0	98.8	76.0-125			9.32	20
1,4-Dichlorobenzene	5.00	4.47	4.87	89.4	97.4	77.0-121			8.57	20
Dichlorodifluoromethane	5.00	5.06	5.44	101	109	43.0-156			7.24	20
1,1-Dichloroethane	5.00	4.62	4.95	92.4	99.0	70.0-127			6.90	20
1,2-Dichloroethane	5.00	4.52	4.82	90.4	96.4	65.0-131			6.42	20
1,1-Dichloroethene	5.00	4.60	5.07	92.0	101	65.0-131			9.72	20
cis-1,2-Dichloroethene	5.00	5.12	5.52	102	110	73.0-125			7.52	20
trans-1,2-Dichloroethene	5.00	5.18	5.72	104	114	71.0-125			9.91	20
1,2-Dichloropropane	5.00	4.29	4.54	85.8	90.8	74.0-125			5.66	20
1,1-Dichloropropene	5.00	4.87	5.54	97.4	111	73.0-125			12.9	20
1,3-Dichloropropane	5.00	4.11	4.66	82.2	93.2	80.0-125			12.5	20
cis-1,3-Dichloropropene	5.00	4.23	4.53	84.6	90.6	76.0-127			6.85	20
trans-1,3-Dichloropropene	5.00	3.94	4.41	78.8	88.2	73.0-127			11.3	20
2,2-Dichloropropane	5.00	5.09	5.50	102	110	59.0-135			7.74	20
Di-isopropyl ether	5.00	4.73	5.01	94.6	100	60.0-136			5.75	20
Ethylbenzene	5.00	4.27	4.90	85.4	98.0	74.0-126			13.7	20
Hexachloro-1,3-butadiene	5.00	5.43	5.98	109	120	57.0-150			9.64	20
Isopropylbenzene	5.00	4.84	5.59	96.8	112	72.0-127			14.4	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3795594-1 05/24/22 08:51 • (LCSD) R3795594-2 05/24/22 09:11

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 %
p-Isopropyltoluene	5.00	4.17	4.67	83.4	93.4	72.0-133			11.3	20
2-Butanone (MEK)	25.0	18.2	20.9	72.8	83.6	30.0-160			13.8	24
Methylene Chloride	5.00	4.68	4.99	93.6	99.8	68.0-123			6.41	20
4-Methyl-2-pentanone (MIBK)	25.0	18.9	21.2	75.6	84.8	56.0-143			11.5	20
Methyl tert-butyl ether	5.00	4.65	4.89	93.0	97.8	66.0-132			5.03	20
Naphthalene	5.00	4.24	4.78	84.8	95.6	59.0-130			12.0	20
n-Propylbenzene	5.00	4.33	4.87	86.6	97.4	74.0-126			11.7	20
Styrene	5.00	4.31	4.86	86.2	97.2	72.0-127			12.0	20
1,1,1,2-Tetrachloroethane	5.00	4.35	4.73	87.0	94.6	74.0-129			8.37	20
1,1,2,2-Tetrachloroethane	5.00	3.87	4.24	77.4	84.8	68.0-128			9.12	20
1,1,2-Trichlorotrifluoroethane	5.00	4.95	5.43	99.0	109	61.0-139			9.25	20
Tetrachloroethene	5.00	4.90	5.78	98.0	116	70.0-136			16.5	20
Toluene	5.00	4.36	4.99	87.2	99.8	75.0-121			13.5	20
1,2,3-Trichlorobenzene	5.00	4.30	5.04	86.0	101	59.0-139			15.8	20
1,2,4-Trichlorobenzene	5.00	4.90	5.58	98.0	112	62.0-137			13.0	20
1,1,1-Trichloroethane	5.00	5.41	5.92	108	118	69.0-126			9.00	20
1,1,2-Trichloroethane	5.00	4.32	4.83	86.4	96.6	78.0-123			11.1	20
Trichloroethene	5.00	5.04	5.77	101	115	76.0-126			13.5	20
Trichlorofluoromethane	5.00	5.01	5.42	100	108	61.0-142			7.86	20
1,2,3-Trichloropropane	5.00	4.01	4.31	80.2	86.2	67.0-129			7.21	20
1,2,4-Trimethylbenzene	5.00	4.25	4.80	85.0	96.0	70.0-126			12.2	20
1,2,3-Trimethylbenzene	5.00	4.13	4.57	82.6	91.4	74.0-124			10.1	20
1,3,5-Trimethylbenzene	5.00	4.14	4.67	82.8	93.4	73.0-127			12.0	20
Vinyl chloride	5.00	4.85	5.26	97.0	105	63.0-134			8.11	20
Xylenes, Total	15.0	13.1	14.8	87.3	98.7	72.0-127			12.2	20
Ethyl ether	5.00	4.49	4.63	89.8	92.6	64.0-137			3.07	20
Tetrahydrofuran	5.00	3.64	4.19	72.8	83.8	37.0-146			14.0	24
Iodomethane	25.0	25.2	27.3	101	109	74.0-134			8.00	20
Allyl chloride	25.0	23.2	25.4	92.8	102	70.0-131			9.05	20
trans-1,4-Dichloro-2-butene	5.00	1.70	2.16	34.0	43.2	45.0-143	<u>J4</u>	<u>J3 J4</u>	23.8	20
<i>(S) Toluene-d8</i>				98.5	99.9	75.0-131				
<i>(S) 4-Bromofluorobenzene</i>				104	104	67.0-138				
<i>(S) 1,2-Dichloroethane-d4</i>				104	102	70.0-130				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ 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
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.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
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.
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.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc

GLOSSARY OF TERMS

Qualifier	Description
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

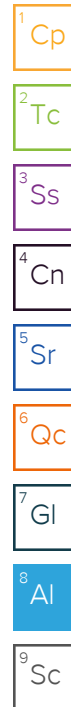
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

Report to:
 Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
 American Linen

City/State Collected: **Seattle, WA**

Please Circle:
 PT MT CT ET

Phone: **206-529-3980**

Client Project #
443018-1413001.05-60

Lab Project #
PESENVSWA-ALP

Chain of Custody Page **1** of **1**

Pace
 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/hubfs/pas-standard-terms.pdf>

Collected by (print): **Ben Hecht**

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature): *[Signature]*

Rush? (Lab MUST Be Notified)
 ___ Same Day ___ Five Day
 ___ Next Day ___ 5 Day (Rad Only)
 ___ Two Day ___ 10 Day (Rad Only)
 ___ Three Day

Date Results Needed
Standard

Immediately Packed on Ice N Y

SDG # **L1V93992**

E219

Acctnum: **PESENVSWA**

Template: **T207753**

Prelogin: **P919177**

PM: **546 - Jared Starkey**

PB:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FE	MNG	250ml	HDPE	-HNO3	RSK175LL	40ml	Amb	-HCl	SULFATE	125ml	HDPE	-NoPres	TOC	250ml	HDPE	-HCl	V8260ULLC	40ml	Amb	-HCl	
MW-161-051122	Grab	GW	-	5-11-22	1345	8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-171-051222		GW	-	5-12-22	1343	8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-145R-051122		GW	-	5-11-22	1035	8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
W-MW-01-051122		GW	-		1230	8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-144R-051122		GW	-		1310	8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R-MW6-051122		GW	-		954	8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-159-051122		GW	-		1518	8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW107-051122		GW	-		1140	8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-172-051222		GW	-	5-12-22	1142	8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-170-051222		GW	-		1708	8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Shipped Via:

Remarks

Sample # (lab only)

* 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 # **5433 8382 2750**

Relinquished by: (Signature) *[Signature]* Date: **5/13/2022** Time: **1430**

Received by: (Signature) *[Signature]* Trip Blank Received: Yes / No
 HCl / MeOH
 TBR

Temp: **DR17 °C** Bottles Received: **80**

2.9+0=2.9

Relinquished by: (Signature) Date: Date: Time: Time: Received for lab by: (Signature) *[Signature]* Date: **5/14/22** Time: **0945** Hold: Condition: **NCF / OK**

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y	N
COC Signed/Accurate:		Y	N
Bottles arrive intact:		Y	N
Correct bottles used:		Y	N
Sufficient volume sent:		Y	N
If Applicable			
VOA Zero Headspace:		Y	N
Preservation Correct/Checked:		Y	N
RAD Screen <0.5 mR/hr:		Y	N

PES Environmental, Inc.- WA

Sample Delivery Group: L1494104
Samples Received: 05/14/2022
Project Number: 443018-1413001.05.60
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:



Jared Starkey
Project Manager

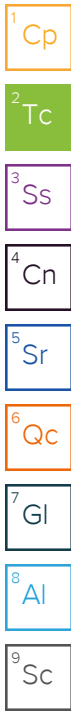
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory 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 www.pacenational.com

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SAMPLE SUMMARY

MW112-051322 L1494104-01 GW

Collected by: BLH
 Collected date/time: 05/13/22 11:41
 Received date/time: 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1875477	1	06/07/22 12:52	06/07/22 12:52	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874179	1	06/04/22 15:52	06/04/22 15:52	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867151	1	05/23/22 15:46	05/24/22 00:36	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867441	1	05/24/22 10:52	05/24/22 10:52	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 12:03	05/24/22 12:03	BMB	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

MW124-051222 L1494104-02 GW

Collected by: BLH
 Collected date/time: 05/12/22 10:30
 Received date/time: 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 12:22	05/24/22 12:22	BMB	Mt. Juliet, TN

5 Sr

6 Qc

7 Gl

MW-189-051222 L1494104-03 GW

Collected by: BLH
 Collected date/time: 05/12/22 12:06
 Received date/time: 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1875187	1	06/07/22 02:28	06/07/22 02:28	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874179	1	06/04/22 16:10	06/04/22 16:10	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867151	1	05/23/22 15:46	05/24/22 00:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867441	1	05/24/22 10:44	05/24/22 10:44	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1869455	10	05/24/22 15:14	05/24/22 15:14	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 12:41	05/24/22 12:41	BMB	Mt. Juliet, TN

8 Al

9 Sc

MW104-051222 L1494104-04 GW

Collected by: BLH
 Collected date/time: 05/12/22 13:45
 Received date/time: 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1875187	1	06/07/22 02:41	06/07/22 02:41	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874179	1	06/04/22 16:26	06/04/22 16:26	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867151	1	05/23/22 15:46	05/24/22 00:44	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867441	1	05/24/22 10:55	05/24/22 10:55	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 13:00	05/24/22 13:00	BMB	Mt. Juliet, TN

MW120-051122 L1494104-05 GW

Collected by: BLH
 Collected date/time: 05/11/22 15:16
 Received date/time: 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1874224	5	06/06/22 04:43	06/06/22 04:43	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874179	1	06/04/22 17:21	06/04/22 17:21	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867151	1	05/23/22 15:46	05/24/22 00:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867441	1	05/24/22 11:04	05/24/22 11:04	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868284	1	05/23/22 20:52	05/23/22 20:52	ACG	Mt. Juliet, TN

MW-166-051322 L1494104-06 GW

Collected by: BLH
 Collected date/time: 05/13/22 12:15
 Received date/time: 05/14/22 09:45

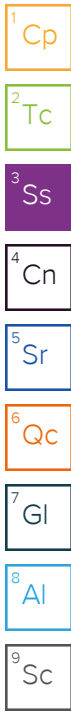
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1875477	1	06/07/22 13:52	06/07/22 13:52	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874179	1	06/04/22 17:43	06/04/22 17:43	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867151	1	05/23/22 15:46	05/24/22 01:04	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867441	1	05/24/22 11:12	05/24/22 11:12	CMS	Mt. Juliet, TN

SAMPLE SUMMARY

MW-166-051322 L1494104-06 GW

Collected by: BLH
 Collected date/time: 05/13/22 12:15
 Received date/time: 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method RSK175	WG1869455	10	05/24/22 15:18	05/24/22 15:18	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	250	05/24/22 17:08	05/24/22 17:08	BMB	Mt. Juliet, TN



MW-165-051322 L1494104-07 GW

Collected by: BLH
 Collected date/time: 05/13/22 11:35
 Received date/time: 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1875477	1	06/07/22 14:07	06/07/22 14:07	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874179	1	06/04/22 18:03	06/04/22 18:03	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867151	1	05/23/22 15:46	05/24/22 01:07	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867441	1	05/24/22 11:33	05/24/22 11:33	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1869455	10	05/24/22 15:21	05/24/22 15:21	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 17:27	05/24/22 17:27	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1869164	50	05/25/22 21:29	05/25/22 21:29	BMB	Mt. Juliet, TN

MW-175-051322 L1494104-08 GW

Collected by: BLH
 Collected date/time: 05/13/22 12:05
 Received date/time: 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 13:19	05/24/22 13:19	BMB	Mt. Juliet, TN

MW-168-051322 L1494104-09 GW

Collected by: BLH
 Collected date/time: 05/13/22 09:45
 Received date/time: 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 13:38	05/24/22 13:38	BMB	Mt. Juliet, TN

MW-174-051322 L1494104-10 GW

Collected by: BLH
 Collected date/time: 05/13/22 09:50
 Received date/time: 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 17:46	05/24/22 17:46	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1869164	10	05/25/22 21:48	05/25/22 21:48	BMB	Mt. Juliet, TN

MW-167-051322 L1494104-11 GW

Collected by: BLH
 Collected date/time: 05/13/22 10:55
 Received date/time: 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 13:57	05/24/22 13:57	BMB	Mt. Juliet, TN

MW-186-051222 L1494104-12 GW

Collected by: BLH
 Collected date/time: 05/12/22 13:45
 Received date/time: 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 14:17	05/24/22 14:17	BMB	Mt. Juliet, TN

SAMPLE SUMMARY

MW-173-051322 L1494104-13 GW

Collected by BLH Collected date/time 05/13/22 11:00 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 14:36	05/24/22 14:36	BMB	Mt. Juliet, TN

1 Cp

2 Tc

MW-187-051222 L1494104-14 GW

Collected by BLH Collected date/time 05/12/22 10:05 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 14:55	05/24/22 14:55	BMB	Mt. Juliet, TN

3 Ss

4 Cn

5 Sr

MW-185-051222 L1494104-15 GW

Collected by BLH Collected date/time 05/12/22 16:05 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 15:14	05/24/22 15:14	BMB	Mt. Juliet, TN

6 Qc

7 Gl

8 Al

MW-188-051222 L1494104-16 GW

Collected by BLH Collected date/time 05/12/22 14:45 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 15:33	05/24/22 15:33	BMB	Mt. Juliet, TN

9 Sc

TB-051322 L1494104-17 GW

Collected by BLH Collected date/time 05/13/22 15:00 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 11:44	05/24/22 11:44	BMB	Mt. Juliet, TN

MW-176-051322 L1494104-18 GW

Collected by BLH Collected date/time 05/13/22 13:08 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 15:52	05/24/22 15:52	BMB	Mt. Juliet, TN

MW-169-051222 L1494104-19 GW

Collected by BLH Collected date/time 05/12/22 14:37 Received date/time 05/14/22 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1875477	1	06/07/22 14:52	06/07/22 14:52	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1874179	1	06/04/22 19:19	06/04/22 19:19	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1867151	1	05/23/22 15:46	05/24/22 01:11	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1867441	1	05/24/22 11:39	05/24/22 11:39	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1869455	10	05/24/22 15:23	05/24/22 15:23	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1868350	1	05/24/22 16:11	05/24/22 16:11	BMB	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

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1494104-08	MW-175-051322	8260D

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	28500		594	5000	1	06/07/2022 12:52	WG1875477

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)	1590	<u>B</u>	102	1000	1	06/04/2022 15:52	WG1874179

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1330		28.1	100	1	05/24/2022 00:36	WG1867151
Manganese	177		0.704	5.00	1	05/24/2022 00:36	WG1867151

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	82.4		0.287	0.678	1	05/24/2022 10:52	WG1867441
Ethane	2.06		0.296	1.29	1	05/24/2022 10:52	WG1867441
Ethene	0.576	<u>J</u>	0.422	1.27	1	05/24/2022 10:52	WG1867441

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	2.23	<u>C3</u>	0.548	1.00	1	05/24/2022 12:03	WG1868350
Acrylonitrile	U	<u>C3</u>	0.0760	0.500	1	05/24/2022 12:03	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 12:03	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 12:03	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 12:03	WG1868350
Bromoform	U	<u>C3 J4</u>	0.239	1.00	1	05/24/2022 12:03	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 12:03	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 12:03	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 12:03	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 12:03	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 12:03	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 12:03	WG1868350
Chlorodibromomethane	U	<u>C3</u>	0.0180	0.100	1	05/24/2022 12:03	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 12:03	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 12:03	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 12:03	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 12:03	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 12:03	WG1868350
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	05/24/2022 12:03	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 12:03	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 12:03	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 12:03	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 12:03	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 12:03	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 12:03	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 12:03	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 12:03	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 12:03	WG1868350
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/24/2022 12:03	WG1868350
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 12:03	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 12:03	WG1868350

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
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 12:03	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 12:03	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 12:03	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 12:03	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 12:03	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 12:03	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 12:03	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 12:03	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 12:03	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 12:03	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 12:03	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 12:03	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 12:03	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 12:03	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 12:03	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 12:03	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 12:03	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 12:03	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 12:03	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 12:03	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 12:03	WG1868350
Toluene	0.0570	U	0.0500	0.200	1	05/24/2022 12:03	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 12:03	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 12:03	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 12:03	WG1868350
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 12:03	WG1868350
Trichloroethene	U		0.0160	0.0400	1	05/24/2022 12:03	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 12:03	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 12:03	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 12:03	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 12:03	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 12:03	WG1868350
Vinyl chloride	U		0.0273	0.100	1	05/24/2022 12:03	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 12:03	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 12:03	WG1868350
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/24/2022 12:03	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 12:03	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 12:03	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	0.0560	0.200	1	05/24/2022 12:03	WG1868350
(S) Toluene-d8	97.8			75.0-131		05/24/2022 12:03	WG1868350
(S) 4-Bromofluorobenzene	106			67.0-138		05/24/2022 12:03	WG1868350
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/24/2022 12:03	WG1868350

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	C3	0.548	1.00	1	05/24/2022 12:22	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 12:22	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 12:22	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 12:22	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 12:22	WG1868350
Bromoform	U	C3 J4	0.239	1.00	1	05/24/2022 12:22	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 12:22	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 12:22	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 12:22	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 12:22	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 12:22	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 12:22	WG1868350
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/24/2022 12:22	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 12:22	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 12:22	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 12:22	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 12:22	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 12:22	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/24/2022 12:22	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 12:22	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 12:22	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 12:22	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 12:22	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 12:22	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 12:22	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 12:22	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 12:22	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 12:22	WG1868350
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/24/2022 12:22	WG1868350
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 12:22	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 12:22	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 12:22	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 12:22	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 12:22	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 12:22	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 12:22	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 12:22	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 12:22	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 12:22	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 12:22	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 12:22	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 12:22	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 12:22	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 12:22	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 12:22	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 12:22	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 12:22	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 12:22	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 12:22	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 12:22	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 12:22	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 12:22	WG1868350
Toluene	U		0.0500	0.200	1	05/24/2022 12:22	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 12:22	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 12:22	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 12:22	WG1868350

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 12:22	WG1868350
Trichloroethene	U		0.0160	0.0400	1	05/24/2022 12:22	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 12:22	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 12:22	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 12:22	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 12:22	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 12:22	WG1868350
Vinyl chloride	U		0.0273	0.100	1	05/24/2022 12:22	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 12:22	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 12:22	WG1868350
Tetrahydrofuran	2.02	C3	0.0900	0.500	1	05/24/2022 12:22	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 12:22	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 12:22	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	0.0560	0.200	1	05/24/2022 12:22	WG1868350
(S) Toluene-d8	99.1			75.0-131		05/24/2022 12:22	WG1868350
(S) 4-Bromofluorobenzene	106			67.0-138		05/24/2022 12:22	WG1868350
(S) 1,2-Dichloroethane-d4	98.4			70.0-130		05/24/2022 12:22	WG1868350

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	49300		594	5000	1	06/07/2022 02:28	WG1875187

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)	8620		102	1000	1	06/04/2022 16:10	WG1874179

Metals (ICPMS) by Method 6020B

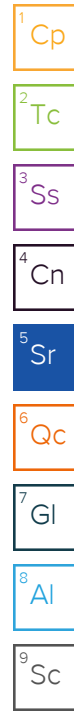
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5680		28.1	100	1	05/24/2022 00:39	WG1867151
Manganese	1590		0.704	5.00	1	05/24/2022 00:39	WG1867151

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	8600		2.87	6.78	10	05/24/2022 15:14	WG1869455
Ethane	18.0		0.296	1.29	1	05/24/2022 10:44	WG1867441
Ethene	61.7		0.422	1.27	1	05/24/2022 10:44	WG1867441

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	C3	0.548	1.00	1	05/24/2022 12:41	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 12:41	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 12:41	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 12:41	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 12:41	WG1868350
Bromoform	U	C3 J4	0.239	1.00	1	05/24/2022 12:41	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 12:41	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 12:41	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 12:41	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 12:41	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 12:41	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 12:41	WG1868350
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/24/2022 12:41	WG1868350
Chloroethane	1.86		0.0432	0.200	1	05/24/2022 12:41	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 12:41	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 12:41	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 12:41	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 12:41	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/24/2022 12:41	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 12:41	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 12:41	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 12:41	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 12:41	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 12:41	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 12:41	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 12:41	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 12:41	WG1868350
1,1-Dichloroethene	0.0790	J	0.0200	0.100	1	05/24/2022 12:41	WG1868350
cis-1,2-Dichloroethene	6.55		0.0276	0.100	1	05/24/2022 12:41	WG1868350
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 12:41	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 12:41	WG1868350



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	05/24/2022 12:41	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 12:41	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 12:41	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 12:41	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 12:41	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 12:41	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 12:41	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 12:41	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 12:41	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 12:41	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 12:41	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 12:41	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 12:41	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 12:41	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 12:41	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 12:41	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 12:41	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 12:41	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 12:41	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 12:41	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 12:41	WG1868350
Toluene	U		0.0500	0.200	1	05/24/2022 12:41	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 12:41	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 12:41	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 12:41	WG1868350
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 12:41	WG1868350
Trichloroethene	U		0.0160	0.0400	1	05/24/2022 12:41	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 12:41	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 12:41	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 12:41	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 12:41	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 12:41	WG1868350
Vinyl chloride	31.5		0.0273	0.100	1	05/24/2022 12:41	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 12:41	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 12:41	WG1868350
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/24/2022 12:41	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 12:41	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 12:41	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	0.0560	0.200	1	05/24/2022 12:41	WG1868350
(S) Toluene-d8	100			75.0-131		05/24/2022 12:41	WG1868350
(S) 4-Bromofluorobenzene	105			67.0-138		05/24/2022 12:41	WG1868350
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/24/2022 12:41	WG1868350

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	4840	J	594	5000	1	06/07/2022 02:41	WG1875187

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)	1880	B	102	1000	1	06/04/2022 16:26	WG1874179

Metals (ICPMS) by Method 6020B

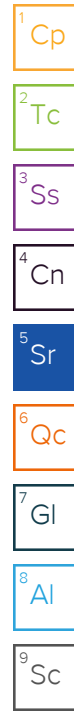
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9530		28.1	100	1	05/24/2022 00:44	WG1867151
Manganese	589		0.704	5.00	1	05/24/2022 00:44	WG1867151

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	152		0.287	0.678	1	05/24/2022 10:55	WG1867441
Ethane	1.02	J	0.296	1.29	1	05/24/2022 10:55	WG1867441
Ethene	3.89		0.422	1.27	1	05/24/2022 10:55	WG1867441

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	C3	0.548	1.00	1	05/24/2022 13:00	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 13:00	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 13:00	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 13:00	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 13:00	WG1868350
Bromoform	U	C3 J4	0.239	1.00	1	05/24/2022 13:00	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 13:00	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 13:00	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 13:00	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 13:00	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 13:00	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 13:00	WG1868350
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/24/2022 13:00	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 13:00	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 13:00	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 13:00	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 13:00	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 13:00	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/24/2022 13:00	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 13:00	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 13:00	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 13:00	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 13:00	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 13:00	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 13:00	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 13:00	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 13:00	WG1868350
1,1-Dichloroethene	0.336		0.0200	0.100	1	05/24/2022 13:00	WG1868350
cis-1,2-Dichloroethene	6.01		0.0276	0.100	1	05/24/2022 13:00	WG1868350
trans-1,2-Dichloroethene	0.332		0.0572	0.200	1	05/24/2022 13:00	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 13:00	WG1868350



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	05/24/2022 13:00	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 13:00	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 13:00	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 13:00	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 13:00	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 13:00	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 13:00	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 13:00	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 13:00	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 13:00	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 13:00	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 13:00	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 13:00	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 13:00	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 13:00	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 13:00	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 13:00	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 13:00	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 13:00	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 13:00	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 13:00	WG1868350
Toluene	0.0790	U	0.0500	0.200	1	05/24/2022 13:00	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 13:00	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 13:00	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 13:00	WG1868350
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 13:00	WG1868350
Trichloroethene	0.0960		0.0160	0.0400	1	05/24/2022 13:00	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 13:00	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 13:00	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 13:00	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 13:00	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 13:00	WG1868350
Vinyl chloride	18.7		0.0273	0.100	1	05/24/2022 13:00	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 13:00	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 13:00	WG1868350
Tetrahydrofuran	1.32	C3	0.0900	0.500	1	05/24/2022 13:00	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 13:00	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 13:00	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	0.0560	0.200	1	05/24/2022 13:00	WG1868350
(S) Toluene-d8	99.7			75.0-131		05/24/2022 13:00	WG1868350
(S) 4-Bromofluorobenzene	105			67.0-138		05/24/2022 13:00	WG1868350
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/24/2022 13:00	WG1868350

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	98400		2970	25000	5	06/06/2022 04:43	WG1874224

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)	1260	<u>B</u>	102	1000	1	06/04/2022 17:21	WG1874179

Metals (ICPMS) by Method 6020B

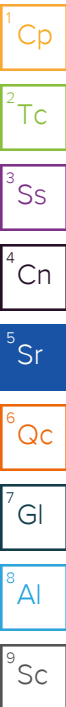
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1750		28.1	100	1	05/24/2022 00:47	WG1867151
Manganese	385		0.704	5.00	1	05/24/2022 00:47	WG1867151

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	112		0.287	0.678	1	05/24/2022 11:04	WG1867441
Ethane	1.31		0.296	1.29	1	05/24/2022 11:04	WG1867441
Ethene	U		0.422	1.27	1	05/24/2022 11:04	WG1867441

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	05/23/2022 20:52	WG1868284
Acrylonitrile	U		0.0760	0.500	1	05/23/2022 20:52	WG1868284
Benzene	0.0300	<u>J</u>	0.0160	0.0400	1	05/23/2022 20:52	WG1868284
Bromobenzene	U		0.0420	0.500	1	05/23/2022 20:52	WG1868284
Bromodichloromethane	U		0.0315	0.100	1	05/23/2022 20:52	WG1868284
Bromoform	U	<u>C3</u>	0.239	1.00	1	05/23/2022 20:52	WG1868284
Bromomethane	U		0.148	0.500	1	05/23/2022 20:52	WG1868284
n-Butylbenzene	U	<u>C3</u>	0.153	0.500	1	05/23/2022 20:52	WG1868284
sec-Butylbenzene	U		0.101	0.500	1	05/23/2022 20:52	WG1868284
tert-Butylbenzene	U		0.0620	0.200	1	05/23/2022 20:52	WG1868284
Carbon tetrachloride	U		0.0432	0.200	1	05/23/2022 20:52	WG1868284
Chlorobenzene	U		0.0229	0.100	1	05/23/2022 20:52	WG1868284
Chlorodibromomethane	U		0.0180	0.100	1	05/23/2022 20:52	WG1868284
Chloroethane	U		0.0432	0.200	1	05/23/2022 20:52	WG1868284
Chloroform	0.0730	<u>J</u>	0.0166	0.100	1	05/23/2022 20:52	WG1868284
Chloromethane	U	<u>J4</u>	0.0556	0.500	1	05/23/2022 20:52	WG1868284
2-Chlorotoluene	U		0.0368	0.100	1	05/23/2022 20:52	WG1868284
4-Chlorotoluene	U		0.0452	0.200	1	05/23/2022 20:52	WG1868284
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	05/23/2022 20:52	WG1868284
1,2-Dibromoethane	U		0.0210	0.100	1	05/23/2022 20:52	WG1868284
Dibromomethane	U		0.0400	0.200	1	05/23/2022 20:52	WG1868284
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/23/2022 20:52	WG1868284
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/23/2022 20:52	WG1868284
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/23/2022 20:52	WG1868284
Dichlorodifluoromethane	U		0.0327	0.100	1	05/23/2022 20:52	WG1868284
1,1-Dichloroethane	1.76		0.0230	0.100	1	05/23/2022 20:52	WG1868284
1,2-Dichloroethane	0.223		0.0190	0.100	1	05/23/2022 20:52	WG1868284
1,1-Dichloroethene	0.324		0.0200	0.100	1	05/23/2022 20:52	WG1868284
cis-1,2-Dichloroethene	23.2		0.0276	0.100	1	05/23/2022 20:52	WG1868284
trans-1,2-Dichloroethene	0.0690	<u>J</u>	0.0572	0.200	1	05/23/2022 20:52	WG1868284
1,2-Dichloropropane	U		0.0508	0.200	1	05/23/2022 20:52	WG1868284



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	05/23/2022 20:52	WG1868284
1,3-Dichloropropane	U		0.0700	0.200	1	05/23/2022 20:52	WG1868284
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/23/2022 20:52	WG1868284
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/23/2022 20:52	WG1868284
2,2-Dichloropropane	U		0.0317	0.100	1	05/23/2022 20:52	WG1868284
Di-isopropyl ether	U		0.0140	0.0400	1	05/23/2022 20:52	WG1868284
Ethylbenzene	U		0.0212	0.100	1	05/23/2022 20:52	WG1868284
Hexachloro-1,3-butadiene	U	C3 J4	0.508	1.00	1	05/23/2022 20:52	WG1868284
Isopropylbenzene	U		0.0345	0.100	1	05/23/2022 20:52	WG1868284
p-Isopropyltoluene	U		0.0932	0.200	1	05/23/2022 20:52	WG1868284
2-Butanone (MEK)	U		0.500	1.00	1	05/23/2022 20:52	WG1868284
Methylene Chloride	U		0.265	1.00	1	05/23/2022 20:52	WG1868284
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/23/2022 20:52	WG1868284
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/23/2022 20:52	WG1868284
Naphthalene	U	C3	0.124	0.500	1	05/23/2022 20:52	WG1868284
n-Propylbenzene	U		0.0472	0.200	1	05/23/2022 20:52	WG1868284
Styrene	U		0.109	0.500	1	05/23/2022 20:52	WG1868284
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/23/2022 20:52	WG1868284
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/23/2022 20:52	WG1868284
1,1,2-Trichlorotrifluoroethane	0.322		0.0270	0.100	1	05/23/2022 20:52	WG1868284
Tetrachloroethene	39.3		0.0280	0.100	1	05/23/2022 20:52	WG1868284
Toluene	U		0.0500	0.200	1	05/23/2022 20:52	WG1868284
1,2,3-Trichlorobenzene	U	C4 J4	0.0250	0.500	1	05/23/2022 20:52	WG1868284
1,2,4-Trichlorobenzene	U	C4 J4	0.193	0.500	1	05/23/2022 20:52	WG1868284
1,1,1-Trichloroethane	0.185		0.0110	0.100	1	05/23/2022 20:52	WG1868284
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/23/2022 20:52	WG1868284
Trichloroethene	12.9		0.0160	0.0400	1	05/23/2022 20:52	WG1868284
Trichlorofluoromethane	U		0.0200	0.100	1	05/23/2022 20:52	WG1868284
1,2,3-Trichloropropane	U		0.204	0.500	1	05/23/2022 20:52	WG1868284
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/23/2022 20:52	WG1868284
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/23/2022 20:52	WG1868284
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/23/2022 20:52	WG1868284
Vinyl chloride	0.469		0.0273	0.100	1	05/23/2022 20:52	WG1868284
Xylenes, Total	U		0.191	0.260	1	05/23/2022 20:52	WG1868284
Ethyl Ether	U		0.0170	0.100	1	05/23/2022 20:52	WG1868284
Tetrahydrofuran	U		0.0900	0.500	1	05/23/2022 20:52	WG1868284
Iodomethane	U		0.242	0.500	1	05/23/2022 20:52	WG1868284
Allyl chloride	U		0.580	1.00	1	05/23/2022 20:52	WG1868284
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/23/2022 20:52	WG1868284
(S) Toluene-d8	108			75.0-131		05/23/2022 20:52	WG1868284
(S) 4-Bromofluorobenzene	101			67.0-138		05/23/2022 20:52	WG1868284
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		05/23/2022 20:52	WG1868284

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	10700		594	5000	1	06/07/2022 13:52	WG1875477

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)	42900		102	1000	1	06/04/2022 17:43	WG1874179

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	32900		28.1	100	1	05/24/2022 01:04	WG1867151
Manganese	1140		0.704	5.00	1	05/24/2022 01:04	WG1867151

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	18900		2.87	6.78	10	05/24/2022 15:18	WG1869455
Ethane	399		0.296	1.29	1	05/24/2022 11:12	WG1867441
Ethene	1450		0.422	1.27	1	05/24/2022 11:12	WG1867441

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	338	C3	137	250	250	05/24/2022 17:08	WG1868350
Acrylonitrile	U	C3	19.0	125	250	05/24/2022 17:08	WG1868350
Benzene	U		4.00	10.0	250	05/24/2022 17:08	WG1868350
Bromobenzene	U		10.5	125	250	05/24/2022 17:08	WG1868350
Bromodichloromethane	U		7.88	25.0	250	05/24/2022 17:08	WG1868350
Bromoform	U	C3 J4	59.8	250	250	05/24/2022 17:08	WG1868350
Bromomethane	U		37.0	125	250	05/24/2022 17:08	WG1868350
n-Butylbenzene	U		38.3	125	250	05/24/2022 17:08	WG1868350
sec-Butylbenzene	U		25.3	125	250	05/24/2022 17:08	WG1868350
tert-Butylbenzene	U		15.5	50.0	250	05/24/2022 17:08	WG1868350
Carbon tetrachloride	U		10.8	50.0	250	05/24/2022 17:08	WG1868350
Chlorobenzene	U		5.73	25.0	250	05/24/2022 17:08	WG1868350
Chlorodibromomethane	U	C3	4.50	25.0	250	05/24/2022 17:08	WG1868350
Chloroethane	U		10.8	50.0	250	05/24/2022 17:08	WG1868350
Chloroform	U		4.15	25.0	250	05/24/2022 17:08	WG1868350
Chloromethane	U		13.9	125	250	05/24/2022 17:08	WG1868350
2-Chlorotoluene	U		9.20	25.0	250	05/24/2022 17:08	WG1868350
4-Chlorotoluene	U		11.3	50.0	250	05/24/2022 17:08	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	51.0	250	250	05/24/2022 17:08	WG1868350
1,2-Dibromoethane	U		5.25	25.0	250	05/24/2022 17:08	WG1868350
Dibromomethane	U		10.0	50.0	250	05/24/2022 17:08	WG1868350
1,2-Dichlorobenzene	U		14.5	50.0	250	05/24/2022 17:08	WG1868350
1,3-Dichlorobenzene	U		17.0	50.0	250	05/24/2022 17:08	WG1868350
1,4-Dichlorobenzene	U		19.7	50.0	250	05/24/2022 17:08	WG1868350
Dichlorodifluoromethane	U		8.18	25.0	250	05/24/2022 17:08	WG1868350
1,1-Dichloroethane	U		5.75	25.0	250	05/24/2022 17:08	WG1868350
1,2-Dichloroethane	U		4.75	25.0	250	05/24/2022 17:08	WG1868350
1,1-Dichloroethene	32.8		5.00	25.0	250	05/24/2022 17:08	WG1868350
cis-1,2-Dichloroethene	9310		6.90	25.0	250	05/24/2022 17:08	WG1868350
trans-1,2-Dichloroethene	66.3		14.3	50.0	250	05/24/2022 17:08	WG1868350
1,2-Dichloropropane	U		12.7	50.0	250	05/24/2022 17:08	WG1868350

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	
1,1-Dichloropropene	U		7.00	25.0	250	05/24/2022 17:08	WG1868350
1,3-Dichloropropane	U		17.5	50.0	250	05/24/2022 17:08	WG1868350
cis-1,3-Dichloropropene	U		6.78	25.0	250	05/24/2022 17:08	WG1868350
trans-1,3-Dichloropropene	U	C3	15.3	50.0	250	05/24/2022 17:08	WG1868350
2,2-Dichloropropane	U		7.93	25.0	250	05/24/2022 17:08	WG1868350
Di-isopropyl ether	U		3.50	10.0	250	05/24/2022 17:08	WG1868350
Ethylbenzene	U		5.30	25.0	250	05/24/2022 17:08	WG1868350
Hexachloro-1,3-butadiene	U		127	250	250	05/24/2022 17:08	WG1868350
Isopropylbenzene	U		8.63	25.0	250	05/24/2022 17:08	WG1868350
p-Isopropyltoluene	U		23.3	50.0	250	05/24/2022 17:08	WG1868350
2-Butanone (MEK)	U	C3	125	250	250	05/24/2022 17:08	WG1868350
Methylene Chloride	U		66.3	250	250	05/24/2022 17:08	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	100	250	250	05/24/2022 17:08	WG1868350
Methyl tert-butyl ether	U		2.95	10.0	250	05/24/2022 17:08	WG1868350
Naphthalene	U		31.0	125	250	05/24/2022 17:08	WG1868350
n-Propylbenzene	U		11.8	50.0	250	05/24/2022 17:08	WG1868350
Styrene	U		27.3	125	250	05/24/2022 17:08	WG1868350
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	05/24/2022 17:08	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	3.90	25.0	250	05/24/2022 17:08	WG1868350
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	05/24/2022 17:08	WG1868350
Tetrachloroethene	U		7.00	25.0	250	05/24/2022 17:08	WG1868350
Toluene	U		12.5	50.0	250	05/24/2022 17:08	WG1868350
1,2,3-Trichlorobenzene	U	C4	6.25	125	250	05/24/2022 17:08	WG1868350
1,2,4-Trichlorobenzene	U	C4	48.3	125	250	05/24/2022 17:08	WG1868350
1,1,1-Trichloroethane	U		2.75	25.0	250	05/24/2022 17:08	WG1868350
1,1,2-Trichloroethane	U		8.83	25.0	250	05/24/2022 17:08	WG1868350
Trichloroethene	U		4.00	10.0	250	05/24/2022 17:08	WG1868350
Trichlorofluoromethane	U		5.00	25.0	250	05/24/2022 17:08	WG1868350
1,2,3-Trichloropropane	U		51.0	125	250	05/24/2022 17:08	WG1868350
1,2,4-Trimethylbenzene	U		11.6	50.0	250	05/24/2022 17:08	WG1868350
1,2,3-Trimethylbenzene	U		11.5	50.0	250	05/24/2022 17:08	WG1868350
1,3,5-Trimethylbenzene	U		10.8	50.0	250	05/24/2022 17:08	WG1868350
Vinyl chloride	3200		6.82	25.0	250	05/24/2022 17:08	WG1868350
Xylenes, Total	U		47.8	65.0	250	05/24/2022 17:08	WG1868350
Ethyl Ether	U		4.25	25.0	250	05/24/2022 17:08	WG1868350
Tetrahydrofuran	U	C3	22.5	125	250	05/24/2022 17:08	WG1868350
Iodomethane	U		60.5	125	250	05/24/2022 17:08	WG1868350
Allyl chloride	U		145	250	250	05/24/2022 17:08	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	14.0	50.0	250	05/24/2022 17:08	WG1868350
(S) Toluene-d8	99.1			75.0-131		05/24/2022 17:08	WG1868350
(S) 4-Bromofluorobenzene	106			67.0-138		05/24/2022 17:08	WG1868350
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/24/2022 17:08	WG1868350

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	06/07/2022 14:07	WG1875477

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)	23100		102	1000	1	06/04/2022 18:03	WG1874179

Metals (ICPMS) by Method 6020B

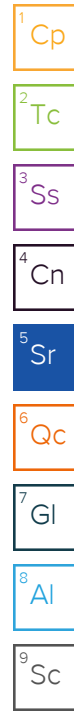
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	17800		28.1	100	1	05/24/2022 01:07	WG1867151
Manganese	3160		0.704	5.00	1	05/24/2022 01:07	WG1867151

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	27300		2.87	6.78	10	05/24/2022 15:21	WG1869455
Ethane	488		0.296	1.29	1	05/24/2022 11:33	WG1867441
Ethene	406		0.422	1.27	1	05/24/2022 11:33	WG1867441

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	3.18	C3	0.548	1.00	1	05/24/2022 17:27	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 17:27	WG1868350
Benzene	0.141		0.0160	0.0400	1	05/24/2022 17:27	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 17:27	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 17:27	WG1868350
Bromoform	U	C3 J4	0.239	1.00	1	05/24/2022 17:27	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 17:27	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 17:27	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 17:27	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 17:27	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 17:27	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 17:27	WG1868350
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/24/2022 17:27	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 17:27	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 17:27	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 17:27	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 17:27	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 17:27	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/24/2022 17:27	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 17:27	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 17:27	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 17:27	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 17:27	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 17:27	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 17:27	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 17:27	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 17:27	WG1868350
1,1-Dichloroethene	0.986		0.0200	0.100	1	05/24/2022 17:27	WG1868350
cis-1,2-Dichloroethene	938		1.38	5.00	50	05/25/2022 21:29	WG1869164
trans-1,2-Dichloroethene	23.1		0.0572	0.200	1	05/24/2022 17:27	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 17:27	WG1868350



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	05/24/2022 17:27	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 17:27	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 17:27	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 17:27	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 17:27	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 17:27	WG1868350
Ethylbenzene	0.0340	U	0.0212	0.100	1	05/24/2022 17:27	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 17:27	WG1868350
Isopropylbenzene	0.0620	U	0.0345	0.100	1	05/24/2022 17:27	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 17:27	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 17:27	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 17:27	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 17:27	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 17:27	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 17:27	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 17:27	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 17:27	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 17:27	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 17:27	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 17:27	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 17:27	WG1868350
Toluene	0.446		0.0500	0.200	1	05/24/2022 17:27	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 17:27	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 17:27	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 17:27	WG1868350
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 17:27	WG1868350
Trichloroethene	0.153		0.0160	0.0400	1	05/24/2022 17:27	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 17:27	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 17:27	WG1868350
1,2,4-Trimethylbenzene	0.0650	U	0.0464	0.200	1	05/24/2022 17:27	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 17:27	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 17:27	WG1868350
Vinyl chloride	808	J3	1.36	5.00	50	05/25/2022 21:29	WG1869164
Xylenes, Total	U		0.191	0.260	1	05/24/2022 17:27	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 17:27	WG1868350
Tetrahydrofuran	3.89	C3	0.0900	0.500	1	05/24/2022 17:27	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 17:27	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 17:27	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	0.0560	0.200	1	05/24/2022 17:27	WG1868350
(S) Toluene-d8	98.9			75.0-131		05/24/2022 17:27	WG1868350
(S) Toluene-d8	100			75.0-131		05/25/2022 21:29	WG1869164
(S) 4-Bromofluorobenzene	103			67.0-138		05/24/2022 17:27	WG1868350
(S) 4-Bromofluorobenzene	106			67.0-138		05/25/2022 21:29	WG1869164
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/24/2022 17:27	WG1868350
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/25/2022 21:29	WG1869164

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	1.45	C3	0.548	1.00	1	05/24/2022 13:19	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 13:19	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 13:19	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 13:19	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 13:19	WG1868350
Bromoform	U	C3 J4	0.239	1.00	1	05/24/2022 13:19	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 13:19	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 13:19	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 13:19	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 13:19	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 13:19	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 13:19	WG1868350
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/24/2022 13:19	WG1868350
Chloroethane	0.352		0.0432	0.200	1	05/24/2022 13:19	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 13:19	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 13:19	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 13:19	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 13:19	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/24/2022 13:19	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 13:19	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 13:19	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 13:19	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 13:19	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 13:19	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 13:19	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 13:19	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 13:19	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 13:19	WG1868350
cis-1,2-Dichloroethene	0.194		0.0276	0.100	1	05/24/2022 13:19	WG1868350
trans-1,2-Dichloroethene	1.55		0.0572	0.200	1	05/24/2022 13:19	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 13:19	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 13:19	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 13:19	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 13:19	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 13:19	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 13:19	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 13:19	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 13:19	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 13:19	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 13:19	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 13:19	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 13:19	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 13:19	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 13:19	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 13:19	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 13:19	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 13:19	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 13:19	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 13:19	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 13:19	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 13:19	WG1868350
Tetrachloroethene	0.0940	J	0.0280	0.100	1	05/24/2022 13:19	WG1868350
Toluene	0.111	J	0.0500	0.200	1	05/24/2022 13:19	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 13:19	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 13:19	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 13:19	WG1868350

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 13:19	WG1868350
Trichloroethene	0.0430		0.0160	0.0400	1	05/24/2022 13:19	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 13:19	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 13:19	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 13:19	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 13:19	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 13:19	WG1868350
Vinyl chloride	0.572		0.0273	0.100	1	05/24/2022 13:19	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 13:19	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 13:19	WG1868350
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/24/2022 13:19	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 13:19	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 13:19	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	0.0560	0.200	1	05/24/2022 13:19	WG1868350
(S) Toluene-d8	100			75.0-131		05/24/2022 13:19	WG1868350
(S) 4-Bromofluorobenzene	106			67.0-138		05/24/2022 13:19	WG1868350
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/24/2022 13:19	WG1868350

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
Acetone	U	<u>C3</u>	0.548	1.00	1	05/24/2022 13:38	WG1868350
Acrylonitrile	U	<u>C3</u>	0.0760	0.500	1	05/24/2022 13:38	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 13:38	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 13:38	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 13:38	WG1868350
Bromoform	U	<u>C3 J4</u>	0.239	1.00	1	05/24/2022 13:38	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 13:38	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 13:38	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 13:38	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 13:38	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 13:38	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 13:38	WG1868350
Chlorodibromomethane	U	<u>C3</u>	0.0180	0.100	1	05/24/2022 13:38	WG1868350
Chloroethane	0.166	<u>J</u>	0.0432	0.200	1	05/24/2022 13:38	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 13:38	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 13:38	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 13:38	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 13:38	WG1868350
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	05/24/2022 13:38	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 13:38	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 13:38	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 13:38	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 13:38	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 13:38	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 13:38	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 13:38	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 13:38	WG1868350
1,1-Dichloroethene	0.0930	<u>J</u>	0.0200	0.100	1	05/24/2022 13:38	WG1868350
cis-1,2-Dichloroethene	9.42		0.0276	0.100	1	05/24/2022 13:38	WG1868350
trans-1,2-Dichloroethene	0.117	<u>J</u>	0.0572	0.200	1	05/24/2022 13:38	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 13:38	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 13:38	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 13:38	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 13:38	WG1868350
trans-1,3-Dichloropropene	U	<u>C3</u>	0.0612	0.200	1	05/24/2022 13:38	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 13:38	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 13:38	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 13:38	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 13:38	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 13:38	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 13:38	WG1868350
2-Butanone (MEK)	U	<u>C3</u>	0.500	1.00	1	05/24/2022 13:38	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 13:38	WG1868350
4-Methyl-2-pentanone (MIBK)	U	<u>C3</u>	0.400	1.00	1	05/24/2022 13:38	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 13:38	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 13:38	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 13:38	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 13:38	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 13:38	WG1868350
1,1,2,2-Tetrachloroethane	U	<u>C3</u>	0.0156	0.100	1	05/24/2022 13:38	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 13:38	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 13:38	WG1868350
Toluene	0.200	<u>J</u>	0.0500	0.200	1	05/24/2022 13:38	WG1868350
1,2,3-Trichlorobenzene	U	<u>C4</u>	0.0250	0.500	1	05/24/2022 13:38	WG1868350
1,2,4-Trichlorobenzene	U	<u>C4</u>	0.193	0.500	1	05/24/2022 13:38	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 13:38	WG1868350

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 13:38	WG1868350
Trichloroethene	0.0490		0.0160	0.0400	1	05/24/2022 13:38	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 13:38	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 13:38	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 13:38	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 13:38	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 13:38	WG1868350
Vinyl chloride	1.68		0.0273	0.100	1	05/24/2022 13:38	WG1868350
Xylenes, Total	0.194	<u>J</u>	0.191	0.260	1	05/24/2022 13:38	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 13:38	WG1868350
Tetrahydrofuran	0.509	<u>C3</u>	0.0900	0.500	1	05/24/2022 13:38	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 13:38	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 13:38	WG1868350
Trans-1,4-Dichloro-2-butene	U	<u>C3 J3 J4</u>	0.0560	0.200	1	05/24/2022 13:38	WG1868350
(S) Toluene-d8	100			75.0-131		05/24/2022 13:38	WG1868350
(S) 4-Bromofluorobenzene	104			67.0-138		05/24/2022 13:38	WG1868350
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/24/2022 13:38	WG1868350

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	1.75	C3	0.548	1.00	1	05/24/2022 17:46	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 17:46	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 17:46	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 17:46	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 17:46	WG1868350
Bromoform	U	C3 J4	0.239	1.00	1	05/24/2022 17:46	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 17:46	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 17:46	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 17:46	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 17:46	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 17:46	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 17:46	WG1868350
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/24/2022 17:46	WG1868350
Chloroethane	1.03		0.0432	0.200	1	05/24/2022 17:46	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 17:46	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 17:46	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 17:46	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 17:46	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/24/2022 17:46	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 17:46	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 17:46	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 17:46	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 17:46	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 17:46	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 17:46	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 17:46	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 17:46	WG1868350
1,1-Dichloroethene	0.104		0.0200	0.100	1	05/24/2022 17:46	WG1868350
cis-1,2-Dichloroethene	2.75		0.276	1.00	10	05/25/2022 21:48	WG1869164
trans-1,2-Dichloroethene	0.741		0.0572	0.200	1	05/24/2022 17:46	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 17:46	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 17:46	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 17:46	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 17:46	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 17:46	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 17:46	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 17:46	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 17:46	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 17:46	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 17:46	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 17:46	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 17:46	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 17:46	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 17:46	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 17:46	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 17:46	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 17:46	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 17:46	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 17:46	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 17:46	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 17:46	WG1868350
Tetrachloroethene	0.0470	J	0.0280	0.100	1	05/24/2022 17:46	WG1868350
Toluene	U		0.0500	0.200	1	05/24/2022 17:46	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 17:46	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 17:46	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 17:46	WG1868350

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 17:46	WG1868350
Trichloroethene	0.149		0.0160	0.0400	1	05/24/2022 17:46	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 17:46	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 17:46	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 17:46	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 17:46	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 17:46	WG1868350
Vinyl chloride	119	J3	0.273	1.00	10	05/25/2022 21:48	WG1869164
Xylenes, Total	U		0.191	0.260	1	05/24/2022 17:46	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 17:46	WG1868350
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/24/2022 17:46	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 17:46	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 17:46	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	0.0560	0.200	1	05/24/2022 17:46	WG1868350
(S) Toluene-d8	99.5			75.0-131		05/24/2022 17:46	WG1868350
(S) Toluene-d8	103			75.0-131		05/25/2022 21:48	WG1869164
(S) 4-Bromofluorobenzene	103			67.0-138		05/24/2022 17:46	WG1868350
(S) 4-Bromofluorobenzene	108			67.0-138		05/25/2022 21:48	WG1869164
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/24/2022 17:46	WG1868350
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/25/2022 21:48	WG1869164

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	C3	0.548	1.00	1	05/24/2022 13:57	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 13:57	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 13:57	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 13:57	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 13:57	WG1868350
Bromoform	U	C3 J4	0.239	1.00	1	05/24/2022 13:57	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 13:57	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 13:57	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 13:57	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 13:57	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 13:57	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 13:57	WG1868350
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/24/2022 13:57	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 13:57	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 13:57	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 13:57	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 13:57	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 13:57	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/24/2022 13:57	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 13:57	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 13:57	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 13:57	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 13:57	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 13:57	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 13:57	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 13:57	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 13:57	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 13:57	WG1868350
cis-1,2-Dichloroethene	0.312		0.0276	0.100	1	05/24/2022 13:57	WG1868350
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 13:57	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 13:57	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 13:57	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 13:57	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 13:57	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 13:57	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 13:57	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 13:57	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 13:57	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 13:57	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 13:57	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 13:57	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 13:57	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 13:57	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 13:57	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 13:57	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 13:57	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 13:57	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 13:57	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 13:57	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 13:57	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 13:57	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 13:57	WG1868350
Toluene	0.155	J	0.0500	0.200	1	05/24/2022 13:57	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 13:57	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 13:57	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 13:57	WG1868350

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 13:57	WG1868350
Trichloroethene	U		0.0160	0.0400	1	05/24/2022 13:57	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 13:57	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 13:57	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 13:57	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 13:57	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 13:57	WG1868350
Vinyl chloride	0.167		0.0273	0.100	1	05/24/2022 13:57	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 13:57	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 13:57	WG1868350
Tetrahydrofuran	0.215	C3 J	0.0900	0.500	1	05/24/2022 13:57	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 13:57	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 13:57	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	0.0560	0.200	1	05/24/2022 13:57	WG1868350
(S) Toluene-d8	99.1			75.0-131		05/24/2022 13:57	WG1868350
(S) 4-Bromofluorobenzene	104			67.0-138		05/24/2022 13:57	WG1868350
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/24/2022 13:57	WG1868350

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

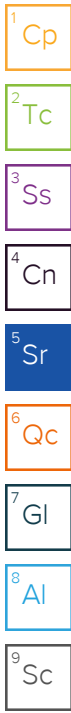
7 Gl

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	C3	0.548	1.00	1	05/24/2022 14:17	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 14:17	WG1868350
Benzene	0.0370	J	0.0160	0.0400	1	05/24/2022 14:17	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 14:17	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 14:17	WG1868350
Bromoform	U	C3 J4	0.239	1.00	1	05/24/2022 14:17	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 14:17	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 14:17	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 14:17	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 14:17	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 14:17	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 14:17	WG1868350
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/24/2022 14:17	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 14:17	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 14:17	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 14:17	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 14:17	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 14:17	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/24/2022 14:17	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 14:17	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 14:17	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 14:17	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 14:17	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 14:17	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 14:17	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 14:17	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 14:17	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 14:17	WG1868350
cis-1,2-Dichloroethene	0.664		0.0276	0.100	1	05/24/2022 14:17	WG1868350
trans-1,2-Dichloroethene	0.717		0.0572	0.200	1	05/24/2022 14:17	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 14:17	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 14:17	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 14:17	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 14:17	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 14:17	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 14:17	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 14:17	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 14:17	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 14:17	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 14:17	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 14:17	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 14:17	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 14:17	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 14:17	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 14:17	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 14:17	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 14:17	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 14:17	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 14:17	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 14:17	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 14:17	WG1868350
Tetrachloroethene	0.0380	J	0.0280	0.100	1	05/24/2022 14:17	WG1868350
Toluene	0.0600	J	0.0500	0.200	1	05/24/2022 14:17	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 14:17	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 14:17	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 14:17	WG1868350



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	05/24/2022 14:17	WG1868350
Trichloroethene	0.0980		0.0160	0.0400	1	05/24/2022 14:17	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 14:17	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 14:17	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 14:17	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 14:17	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 14:17	WG1868350
Vinyl chloride	4.69		0.0273	0.100	1	05/24/2022 14:17	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 14:17	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 14:17	WG1868350
Tetrahydrofuran	0.762	C3	0.0900	0.500	1	05/24/2022 14:17	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 14:17	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 14:17	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	0.0560	0.200	1	05/24/2022 14:17	WG1868350
(S) Toluene-d8	99.7			75.0-131		05/24/2022 14:17	WG1868350
(S) 4-Bromofluorobenzene	104			67.0-138		05/24/2022 14:17	WG1868350
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/24/2022 14:17	WG1868350

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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	C3	0.548	1.00	1	05/24/2022 14:36	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 14:36	WG1868350
Benzene	0.151		0.0160	0.0400	1	05/24/2022 14:36	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 14:36	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 14:36	WG1868350
Bromoform	U	C3 J4	0.239	1.00	1	05/24/2022 14:36	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 14:36	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 14:36	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 14:36	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 14:36	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 14:36	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 14:36	WG1868350
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/24/2022 14:36	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 14:36	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 14:36	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 14:36	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 14:36	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 14:36	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/24/2022 14:36	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 14:36	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 14:36	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 14:36	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 14:36	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 14:36	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 14:36	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 14:36	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 14:36	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 14:36	WG1868350
cis-1,2-Dichloroethene	0.0760	J	0.0276	0.100	1	05/24/2022 14:36	WG1868350
trans-1,2-Dichloroethene	0.474		0.0572	0.200	1	05/24/2022 14:36	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 14:36	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 14:36	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 14:36	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 14:36	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 14:36	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 14:36	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 14:36	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 14:36	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 14:36	WG1868350
Isopropylbenzene	0.151		0.0345	0.100	1	05/24/2022 14:36	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 14:36	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 14:36	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 14:36	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 14:36	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 14:36	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 14:36	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 14:36	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 14:36	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 14:36	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 14:36	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 14:36	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 14:36	WG1868350
Toluene	0.117	J	0.0500	0.200	1	05/24/2022 14:36	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 14:36	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 14:36	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 14:36	WG1868350

1 Cp

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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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 14:36	WG1868350
Trichloroethene	0.0430		0.0160	0.0400	1	05/24/2022 14:36	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 14:36	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 14:36	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 14:36	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 14:36	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 14:36	WG1868350
Vinyl chloride	0.253		0.0273	0.100	1	05/24/2022 14:36	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 14:36	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 14:36	WG1868350
Tetrahydrofuran	4.58	C3	0.0900	0.500	1	05/24/2022 14:36	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 14:36	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 14:36	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	0.0560	0.200	1	05/24/2022 14:36	WG1868350
(S) Toluene-d8	102			75.0-131		05/24/2022 14:36	WG1868350
(S) 4-Bromofluorobenzene	104			67.0-138		05/24/2022 14:36	WG1868350
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/24/2022 14:36	WG1868350

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Cp

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Tc

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Gl

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Al

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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	C3	0.548	1.00	1	05/24/2022 14:55	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 14:55	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 14:55	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 14:55	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 14:55	WG1868350
Bromoform	U	C3 J4	0.239	1.00	1	05/24/2022 14:55	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 14:55	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 14:55	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 14:55	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 14:55	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 14:55	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 14:55	WG1868350
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/24/2022 14:55	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 14:55	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 14:55	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 14:55	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 14:55	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 14:55	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/24/2022 14:55	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 14:55	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 14:55	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 14:55	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 14:55	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 14:55	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 14:55	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 14:55	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 14:55	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 14:55	WG1868350
cis-1,2-Dichloroethene	0.101		0.0276	0.100	1	05/24/2022 14:55	WG1868350
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 14:55	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 14:55	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 14:55	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 14:55	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 14:55	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 14:55	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 14:55	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 14:55	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 14:55	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 14:55	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 14:55	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 14:55	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 14:55	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 14:55	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 14:55	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 14:55	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 14:55	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 14:55	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 14:55	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 14:55	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 14:55	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 14:55	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 14:55	WG1868350
Toluene	0.123	J	0.0500	0.200	1	05/24/2022 14:55	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 14:55	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 14:55	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 14:55	WG1868350

1 Cp

2 Tc

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7 Gl

8 Al

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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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 14:55	WG1868350
Trichloroethene	U		0.0160	0.0400	1	05/24/2022 14:55	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 14:55	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 14:55	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 14:55	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 14:55	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 14:55	WG1868350
Vinyl chloride	0.583		0.0273	0.100	1	05/24/2022 14:55	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 14:55	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 14:55	WG1868350
Tetrahydrofuran	0.531	C3	0.0900	0.500	1	05/24/2022 14:55	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 14:55	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 14:55	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	0.0560	0.200	1	05/24/2022 14:55	WG1868350
(S) Toluene-d8	100			75.0-131		05/24/2022 14:55	WG1868350
(S) 4-Bromofluorobenzene	104			67.0-138		05/24/2022 14:55	WG1868350
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/24/2022 14:55	WG1868350

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Cp

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Tc

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Sr

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Gl

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Al

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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
Acetone	U	C3	0.548	1.00	1	05/24/2022 15:14	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 15:14	WG1868350
Benzene	0.0890		0.0160	0.0400	1	05/24/2022 15:14	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 15:14	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 15:14	WG1868350
Bromoform	U	C3 J4	0.239	1.00	1	05/24/2022 15:14	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 15:14	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 15:14	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 15:14	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 15:14	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 15:14	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 15:14	WG1868350
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/24/2022 15:14	WG1868350
Chloroethane	0.0970	J	0.0432	0.200	1	05/24/2022 15:14	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 15:14	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 15:14	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 15:14	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 15:14	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/24/2022 15:14	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 15:14	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 15:14	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 15:14	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 15:14	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 15:14	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 15:14	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 15:14	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 15:14	WG1868350
1,1-Dichloroethene	0.0970	J	0.0200	0.100	1	05/24/2022 15:14	WG1868350
cis-1,2-Dichloroethene	0.206		0.0276	0.100	1	05/24/2022 15:14	WG1868350
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 15:14	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 15:14	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 15:14	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 15:14	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 15:14	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 15:14	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 15:14	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 15:14	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 15:14	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 15:14	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 15:14	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 15:14	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 15:14	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 15:14	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 15:14	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 15:14	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 15:14	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 15:14	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 15:14	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 15:14	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 15:14	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 15:14	WG1868350
Tetrachloroethene	0.0410	J	0.0280	0.100	1	05/24/2022 15:14	WG1868350
Toluene	U		0.0500	0.200	1	05/24/2022 15:14	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 15:14	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 15:14	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 15:14	WG1868350

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 15:14	WG1868350
Trichloroethene	0.0550		0.0160	0.0400	1	05/24/2022 15:14	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 15:14	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 15:14	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 15:14	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 15:14	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 15:14	WG1868350
Vinyl chloride	2.53		0.0273	0.100	1	05/24/2022 15:14	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 15:14	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 15:14	WG1868350
Tetrahydrofuran	1.42	C3	0.0900	0.500	1	05/24/2022 15:14	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 15:14	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 15:14	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	0.0560	0.200	1	05/24/2022 15:14	WG1868350
(S) Toluene-d8	101			75.0-131		05/24/2022 15:14	WG1868350
(S) 4-Bromofluorobenzene	104			67.0-138		05/24/2022 15:14	WG1868350
(S) 1,2-Dichloroethane-d4	97.2			70.0-130		05/24/2022 15:14	WG1868350

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	C3	0.548	1.00	1	05/24/2022 15:33	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 15:33	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 15:33	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 15:33	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 15:33	WG1868350
Bromoform	U	C3 J4	0.239	1.00	1	05/24/2022 15:33	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 15:33	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 15:33	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 15:33	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 15:33	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 15:33	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 15:33	WG1868350
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/24/2022 15:33	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 15:33	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 15:33	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 15:33	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 15:33	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 15:33	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/24/2022 15:33	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 15:33	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 15:33	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 15:33	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 15:33	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 15:33	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 15:33	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 15:33	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 15:33	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 15:33	WG1868350
cis-1,2-Dichloroethene	0.237		0.0276	0.100	1	05/24/2022 15:33	WG1868350
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 15:33	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 15:33	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 15:33	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 15:33	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 15:33	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 15:33	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 15:33	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 15:33	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 15:33	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 15:33	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 15:33	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 15:33	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 15:33	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 15:33	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 15:33	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 15:33	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 15:33	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 15:33	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 15:33	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 15:33	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 15:33	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 15:33	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 15:33	WG1868350
Toluene	U		0.0500	0.200	1	05/24/2022 15:33	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 15:33	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 15:33	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 15:33	WG1868350

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 15:33	WG1868350
Trichloroethene	U		0.0160	0.0400	1	05/24/2022 15:33	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 15:33	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 15:33	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 15:33	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 15:33	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 15:33	WG1868350
Vinyl chloride	0.330		0.0273	0.100	1	05/24/2022 15:33	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 15:33	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 15:33	WG1868350
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/24/2022 15:33	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 15:33	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 15:33	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	0.0560	0.200	1	05/24/2022 15:33	WG1868350
(S) Toluene-d8	99.9			75.0-131		05/24/2022 15:33	WG1868350
(S) 4-Bromofluorobenzene	107			67.0-138		05/24/2022 15:33	WG1868350
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/24/2022 15:33	WG1868350

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

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	C3	0.548	1.00	1	05/24/2022 11:44	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 11:44	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 11:44	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 11:44	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 11:44	WG1868350
Bromoform	U	C3 J4	0.239	1.00	1	05/24/2022 11:44	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 11:44	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 11:44	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 11:44	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 11:44	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 11:44	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 11:44	WG1868350
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/24/2022 11:44	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 11:44	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 11:44	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 11:44	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 11:44	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 11:44	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/24/2022 11:44	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 11:44	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 11:44	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 11:44	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 11:44	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 11:44	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 11:44	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 11:44	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 11:44	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 11:44	WG1868350
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/24/2022 11:44	WG1868350
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/24/2022 11:44	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 11:44	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 11:44	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 11:44	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 11:44	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 11:44	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 11:44	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 11:44	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 11:44	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 11:44	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 11:44	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 11:44	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 11:44	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 11:44	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 11:44	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 11:44	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 11:44	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 11:44	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 11:44	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 11:44	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 11:44	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 11:44	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 11:44	WG1868350
Toluene	U		0.0500	0.200	1	05/24/2022 11:44	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 11:44	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 11:44	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 11:44	WG1868350

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 11:44	WG1868350
Trichloroethene	U		0.0160	0.0400	1	05/24/2022 11:44	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 11:44	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 11:44	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 11:44	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 11:44	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 11:44	WG1868350
Vinyl chloride	U		0.0273	0.100	1	05/24/2022 11:44	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 11:44	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 11:44	WG1868350
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/24/2022 11:44	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 11:44	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 11:44	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	0.0560	0.200	1	05/24/2022 11:44	WG1868350
(S) Toluene-d8	97.2			75.0-131		05/24/2022 11:44	WG1868350
(S) 4-Bromofluorobenzene	109			67.0-138		05/24/2022 11:44	WG1868350
(S) 1,2-Dichloroethane-d4	107			70.0-130		05/24/2022 11:44	WG1868350

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

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	C3	0.548	1.00	1	05/24/2022 15:52	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 15:52	WG1868350
Benzene	U		0.0160	0.0400	1	05/24/2022 15:52	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 15:52	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 15:52	WG1868350
Bromoform	U	C3 J4	0.239	1.00	1	05/24/2022 15:52	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 15:52	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 15:52	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 15:52	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 15:52	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 15:52	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 15:52	WG1868350
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/24/2022 15:52	WG1868350
Chloroethane	0.358		0.0432	0.200	1	05/24/2022 15:52	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 15:52	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 15:52	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 15:52	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 15:52	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/24/2022 15:52	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 15:52	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 15:52	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 15:52	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 15:52	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 15:52	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 15:52	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 15:52	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 15:52	WG1868350
1,1-Dichloroethene	U		0.0200	0.100	1	05/24/2022 15:52	WG1868350
cis-1,2-Dichloroethene	0.488		0.0276	0.100	1	05/24/2022 15:52	WG1868350
trans-1,2-Dichloroethene	1.46		0.0572	0.200	1	05/24/2022 15:52	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 15:52	WG1868350
1,1-Dichloropropene	U		0.0280	0.100	1	05/24/2022 15:52	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 15:52	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 15:52	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 15:52	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 15:52	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 15:52	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 15:52	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 15:52	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 15:52	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 15:52	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 15:52	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 15:52	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 15:52	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 15:52	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 15:52	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 15:52	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 15:52	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 15:52	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 15:52	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 15:52	WG1868350
Tetrachloroethene	0.138		0.0280	0.100	1	05/24/2022 15:52	WG1868350
Toluene	U		0.0500	0.200	1	05/24/2022 15:52	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 15:52	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 15:52	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 15:52	WG1868350

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 15:52	WG1868350
Trichloroethene	0.0510		0.0160	0.0400	1	05/24/2022 15:52	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 15:52	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 15:52	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 15:52	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 15:52	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 15:52	WG1868350
Vinyl chloride	4.18		0.0273	0.100	1	05/24/2022 15:52	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 15:52	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 15:52	WG1868350
Tetrahydrofuran	U	<u>C3</u>	0.0900	0.500	1	05/24/2022 15:52	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 15:52	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 15:52	WG1868350
Trans-1,4-Dichloro-2-butene	U	<u>C3 J3 J4</u>	0.0560	0.200	1	05/24/2022 15:52	WG1868350
(S) Toluene-d8	98.8			75.0-131		05/24/2022 15:52	WG1868350
(S) 4-Bromofluorobenzene	105			67.0-138		05/24/2022 15:52	WG1868350
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/24/2022 15:52	WG1868350

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2660	J	594	5000	1	06/07/2022 14:52	WG1875477

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)	15700		102	1000	1	06/04/2022 19:19	WG1874179

Metals (ICPMS) by Method 6020B

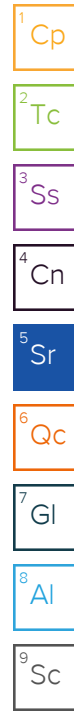
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3540		28.1	100	1	05/24/2022 01:11	WG1867151
Manganese	836		0.704	5.00	1	05/24/2022 01:11	WG1867151

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	23400		2.87	6.78	10	05/24/2022 15:23	WG1869455
Ethane	115		0.296	1.29	1	05/24/2022 11:39	WG1867441
Ethene	15.5		0.422	1.27	1	05/24/2022 11:39	WG1867441

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	3.42	C3	0.548	1.00	1	05/24/2022 16:11	WG1868350
Acrylonitrile	U	C3	0.0760	0.500	1	05/24/2022 16:11	WG1868350
Benzene	0.0780		0.0160	0.0400	1	05/24/2022 16:11	WG1868350
Bromobenzene	U		0.0420	0.500	1	05/24/2022 16:11	WG1868350
Bromodichloromethane	U		0.0315	0.100	1	05/24/2022 16:11	WG1868350
Bromoform	U	C3 J4	0.239	1.00	1	05/24/2022 16:11	WG1868350
Bromomethane	U		0.148	0.500	1	05/24/2022 16:11	WG1868350
n-Butylbenzene	U		0.153	0.500	1	05/24/2022 16:11	WG1868350
sec-Butylbenzene	U		0.101	0.500	1	05/24/2022 16:11	WG1868350
tert-Butylbenzene	U		0.0620	0.200	1	05/24/2022 16:11	WG1868350
Carbon tetrachloride	U		0.0432	0.200	1	05/24/2022 16:11	WG1868350
Chlorobenzene	U		0.0229	0.100	1	05/24/2022 16:11	WG1868350
Chlorodibromomethane	U	C3	0.0180	0.100	1	05/24/2022 16:11	WG1868350
Chloroethane	U		0.0432	0.200	1	05/24/2022 16:11	WG1868350
Chloroform	U		0.0166	0.100	1	05/24/2022 16:11	WG1868350
Chloromethane	U		0.0556	0.500	1	05/24/2022 16:11	WG1868350
2-Chlorotoluene	U		0.0368	0.100	1	05/24/2022 16:11	WG1868350
4-Chlorotoluene	U		0.0452	0.200	1	05/24/2022 16:11	WG1868350
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/24/2022 16:11	WG1868350
1,2-Dibromoethane	U		0.0210	0.100	1	05/24/2022 16:11	WG1868350
Dibromomethane	U		0.0400	0.200	1	05/24/2022 16:11	WG1868350
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/24/2022 16:11	WG1868350
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/24/2022 16:11	WG1868350
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/24/2022 16:11	WG1868350
Dichlorodifluoromethane	U		0.0327	0.100	1	05/24/2022 16:11	WG1868350
1,1-Dichloroethane	U		0.0230	0.100	1	05/24/2022 16:11	WG1868350
1,2-Dichloroethane	U		0.0190	0.100	1	05/24/2022 16:11	WG1868350
1,1-Dichloroethene	0.0850	J	0.0200	0.100	1	05/24/2022 16:11	WG1868350
cis-1,2-Dichloroethene	0.255		0.0276	0.100	1	05/24/2022 16:11	WG1868350
trans-1,2-Dichloroethene	0.370		0.0572	0.200	1	05/24/2022 16:11	WG1868350
1,2-Dichloropropane	U		0.0508	0.200	1	05/24/2022 16:11	WG1868350



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	05/24/2022 16:11	WG1868350
1,3-Dichloropropane	U		0.0700	0.200	1	05/24/2022 16:11	WG1868350
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/24/2022 16:11	WG1868350
trans-1,3-Dichloropropene	U	C3	0.0612	0.200	1	05/24/2022 16:11	WG1868350
2,2-Dichloropropane	U		0.0317	0.100	1	05/24/2022 16:11	WG1868350
Di-isopropyl ether	U		0.0140	0.0400	1	05/24/2022 16:11	WG1868350
Ethylbenzene	U		0.0212	0.100	1	05/24/2022 16:11	WG1868350
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/24/2022 16:11	WG1868350
Isopropylbenzene	U		0.0345	0.100	1	05/24/2022 16:11	WG1868350
p-Isopropyltoluene	U		0.0932	0.200	1	05/24/2022 16:11	WG1868350
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/24/2022 16:11	WG1868350
Methylene Chloride	U		0.265	1.00	1	05/24/2022 16:11	WG1868350
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/24/2022 16:11	WG1868350
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/24/2022 16:11	WG1868350
Naphthalene	U		0.124	0.500	1	05/24/2022 16:11	WG1868350
n-Propylbenzene	U		0.0472	0.200	1	05/24/2022 16:11	WG1868350
Styrene	U		0.109	0.500	1	05/24/2022 16:11	WG1868350
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/24/2022 16:11	WG1868350
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/24/2022 16:11	WG1868350
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/24/2022 16:11	WG1868350
Tetrachloroethene	U		0.0280	0.100	1	05/24/2022 16:11	WG1868350
Toluene	U		0.0500	0.200	1	05/24/2022 16:11	WG1868350
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/24/2022 16:11	WG1868350
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/24/2022 16:11	WG1868350
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/24/2022 16:11	WG1868350
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/24/2022 16:11	WG1868350
Trichloroethene	0.0370	J	0.0160	0.0400	1	05/24/2022 16:11	WG1868350
Trichlorofluoromethane	U		0.0200	0.100	1	05/24/2022 16:11	WG1868350
1,2,3-Trichloropropane	U		0.204	0.500	1	05/24/2022 16:11	WG1868350
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/24/2022 16:11	WG1868350
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/24/2022 16:11	WG1868350
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/24/2022 16:11	WG1868350
Vinyl chloride	5.29		0.0273	0.100	1	05/24/2022 16:11	WG1868350
Xylenes, Total	U		0.191	0.260	1	05/24/2022 16:11	WG1868350
Ethyl Ether	U		0.0170	0.100	1	05/24/2022 16:11	WG1868350
Tetrahydrofuran	2.83	C3	0.0900	0.500	1	05/24/2022 16:11	WG1868350
Iodomethane	U		0.242	0.500	1	05/24/2022 16:11	WG1868350
Allyl chloride	U		0.580	1.00	1	05/24/2022 16:11	WG1868350
Trans-1,4-Dichloro-2-butene	U	C3 J3 J4	0.0560	0.200	1	05/24/2022 16:11	WG1868350
(S) Toluene-d8	98.9			75.0-131		05/24/2022 16:11	WG1868350
(S) 4-Bromofluorobenzene	102			67.0-138		05/24/2022 16:11	WG1868350
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/24/2022 16:11	WG1868350

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

Method Blank (MB)

(MB) R3799964-1 06/05/22 18:18

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1492552-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1492552-01 06/05/22 19:36 • (DUP) R3799964-3 06/05/22 19:51

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	30100	30000	1	0.131		15

L1493992-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1493992-08 06/06/22 04:12 • (DUP) R3799964-8 06/06/22 04:28

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3799964-2 06/05/22 18:33

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	40200	101	80.0-120	

L1493528-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1493528-01 06/05/22 20:07 • (MS) R3799964-4 06/05/22 20:22 • (MSD) R3799964-5 06/05/22 20:38

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	91000	U	U	0.000	0.000	1	80.0-120	J6	J6	0.000	15

L1493533-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1493533-01 06/06/22 00:52 • (MS) R3799964-6 06/06/22 01:07 • (MSD) R3799964-7 06/06/22 01:23

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	53700	97400	97900	87.3	88.3	1	80.0-120			0.490	15

Method Blank (MB)

(MB) R3800292-1 06/06/22 17:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

1 Cp

2 Tc

3 Ss

L1492592-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1492592-01 06/06/22 17:59 • (DUP) R3800292-3 06/06/22 18:12

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	430000	443000	10	3.13		15

4 Cn

5 Sr

L1494527-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1494527-01 06/07/22 02:54 • (DUP) R3800292-6 06/07/22 03:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	10300	10200	1	0.410		15

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R3800292-2 06/06/22 17:33

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	43500	109	80.0-120	

9 Sc

L1493814-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1493814-04 06/06/22 23:49 • (MS) R3800292-4 06/07/22 00:02 • (MSD) R3800292-5 06/07/22 00:15

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	8230	57900	58000	99.4	99.6	1	80.0-120			0.207	15

L1494527-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1494527-01 06/07/22 02:54 • (MS) R3800292-7 06/07/22 03:21

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	10300	60700	101	1	80.0-120	

Method Blank (MB)

(MB) R3800775-1 06/07/22 10:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1494104-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1494104-01 06/07/22 12:52 • (DUP) R3800775-3 06/07/22 13:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	28500	28200	1	0.954		15

L1494402-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1494402-08 06/07/22 16:51 • (DUP) R3800775-6 06/07/22 17:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	201000	202000	1	0.630	E	15

Laboratory Control Sample (LCS)

(LCS) R3800775-2 06/07/22 10:46

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	41600	104	80.0-120	

L1494104-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1494104-01 06/07/22 12:52 • (MS) R3800775-4 06/07/22 13:22 • (MSD) R3800775-5 06/07/22 13:37

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	28500	79600	79900	102	103	1	80.0-120			0.399	15

L1494402-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1494402-08 06/07/22 16:51 • (MS) R3800775-7 06/07/22 17:59

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	201000	243000	83.8	1	80.0-120	E

Method Blank (MB)

(MB) R3799745-2 06/04/22 15:39

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	429	↓	102	1000

L1494104-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1494104-07 06/04/22 18:03 • (DUP) R3799745-5 06/04/22 18:23

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	23100	22400	1	3.12		20

Laboratory Control Sample (LCS)

(LCS) R3799745-1 06/04/22 15:25

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	70000	93.4	85.0-115	

L1494398-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1494398-03 06/04/22 20:41 • (MS) R3799745-7 06/04/22 21:06 • (MSD) R3799745-8 06/04/22 21:29

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	8790	57000	56700	96.5	95.9	1	80.0-120			0.492	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3795237-1 05/23/22 23:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Iron	U		28.1	100
Manganese	0.965	<u>J</u>	0.704	5.00

Laboratory Control Sample (LCS)

(LCS) R3795237-2 05/23/22 23:39

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	5100	102	80.0-120	
Manganese	50.0	48.2	96.3	80.0-120	

L1493832-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1493832-02 05/23/22 23:42 • (MS) R3795237-4 05/23/22 23:49 • (MSD) R3795237-5 05/23/22 23:52

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	20600	26400	24600	115	78.6	1	75.0-125			7.17	20
Manganese	50.0	19400	19200	19000	0.000	0.000	1	75.0-125	<u>EV</u>	<u>EV</u>	1.15	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3795817-2 05/24/22 09:52

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

Method Blank (MB)

(MB) R3795817-8 05/24/22 14:06

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

L1495218-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1495218-01 05/24/22 14:10 • (DUP) R3795817-9 05/24/22 14:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	956	968	1	1.25		20
Ethane	1.32	1.23	1	200	J P1	20
Ethene	U	U	1	0.000		20

L1494104-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1494104-05 05/24/22 11:04 • (DUP) R3795817-3 05/24/22 11:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	112	114	1	1.77		20
Ethane	1.31	1.24	1	5.49	J	20
Ethene	U	U	1	0.000		20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3795817-1 05/24/22 09:47 • (LCSD) R3795817-7 05/24/22 12:38

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 %
Methane	67.8	70.2	71.0	104	105	85.0-115			1.13	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

L1494463-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1494463-01 05/24/22 11:46 • (MS) R3795817-5 05/24/22 12:27 • (MSD) R3795817-6 05/24/22 12:33

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	552	824	858	401	451	1	85.0-115	V	V	4.04	20
Ethane	129	U	131	131	102	102	1	85.0-115			0.000	20
Ethene	127	U	133	133	105	105	1	85.0-115			0.000	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3795831-2 05/24/22 15:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

1 Cp

2 Tc

3 Ss

L1494104-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1494104-19 05/24/22 15:23 • (DUP) R3795831-3 05/24/22 15:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	23400	23800	10	1.69		20

4 Cn

5 Sr

6 Qc

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

(LCS) R3795831-1 05/24/22 14:59 • (LCSD) R3795831-4 05/24/22 15:30

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Methane	67.8	69.4	69.6	102	103	85.0-115			0.288	20

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3795485-3 05/23/22 18:13

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3795485-3 05/23/22 18:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	105			75.0-131
(S) 4-Bromofluorobenzene	101			67.0-138
(S) 1,2-Dichloroethane-d4	96.1			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3795485-1 05/23/22 16:58 • (LCSD) R3795485-2 05/23/22 17:17

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	26.8	26.8	107	107	10.0-160			0.000	31
Acrylonitrile	25.0	31.2	29.8	125	119	45.0-153			4.59	22
Benzene	5.00	4.64	4.58	92.8	91.6	70.0-123			1.30	20
Bromobenzene	5.00	4.68	4.46	93.6	89.2	73.0-121			4.81	20
Bromodichloromethane	5.00	4.53	4.58	90.6	91.6	73.0-121			1.10	20
Bromoform	5.00	3.78	3.62	75.6	72.4	64.0-132			4.32	20
Bromomethane	5.00	4.53	4.85	90.6	97.0	56.0-147			6.82	20
n-Butylbenzene	5.00	3.90	4.18	78.0	83.6	68.0-135			6.93	20
sec-Butylbenzene	5.00	4.26	4.35	85.2	87.0	74.0-130			2.09	20
tert-Butylbenzene	5.00	4.27	4.30	85.4	86.0	75.0-127			0.700	20
Carbon tetrachloride	5.00	4.46	4.80	89.2	96.0	66.0-128			7.34	20
Chlorobenzene	5.00	5.12	4.95	102	99.0	76.0-128			3.38	20
Chlorodibromomethane	5.00	4.24	4.27	84.8	85.4	74.0-127			0.705	20
Chloroethane	5.00	4.94	5.13	98.8	103	61.0-134			3.77	20
Chloroform	5.00	4.91	4.96	98.2	99.2	72.0-123			1.01	20
Chloromethane	5.00	7.01	7.11	140	142	51.0-138	J4	J4	1.42	20
2-Chlorotoluene	5.00	4.75	4.62	95.0	92.4	75.0-124			2.77	20
4-Chlorotoluene	5.00	4.38	4.33	87.6	86.6	75.0-124			1.15	20
1,2-Dibromo-3-Chloropropane	5.00	3.46	3.60	69.2	72.0	59.0-130			3.97	20
1,2-Dibromoethane	5.00	4.81	4.72	96.2	94.4	74.0-128			1.89	20
Dibromomethane	5.00	4.39	4.34	87.8	86.8	75.0-122			1.15	20
1,2-Dichlorobenzene	5.00	4.23	4.15	84.6	83.0	76.0-124			1.91	20
1,3-Dichlorobenzene	5.00	4.30	4.22	86.0	84.4	76.0-125			1.88	20
1,4-Dichlorobenzene	5.00	4.28	4.28	85.6	85.6	77.0-121			0.000	20
Dichlorodifluoromethane	5.00	5.73	5.35	115	107	43.0-156			6.86	20
1,1-Dichloroethane	5.00	5.59	5.49	112	110	70.0-127			1.81	20
1,2-Dichloroethane	5.00	4.92	4.95	98.4	99.0	65.0-131			0.608	20
1,1-Dichloroethene	5.00	5.56	5.70	111	114	65.0-131			2.49	20
cis-1,2-Dichloroethene	5.00	4.73	4.87	94.6	97.4	73.0-125			2.92	20
trans-1,2-Dichloroethene	5.00	4.91	4.77	98.2	95.4	71.0-125			2.89	20
1,2-Dichloropropane	5.00	5.27	5.03	105	101	74.0-125			4.66	20
1,1-Dichloropropene	5.00	5.16	5.17	103	103	73.0-125			0.194	20
1,3-Dichloropropane	5.00	5.08	4.89	102	97.8	80.0-125			3.81	20
cis-1,3-Dichloropropene	5.00	4.64	4.39	92.8	87.8	76.0-127			5.54	20
trans-1,3-Dichloropropene	5.00	4.64	4.74	92.8	94.8	73.0-127			2.13	20
2,2-Dichloropropane	5.00	4.60	4.89	92.0	97.8	59.0-135			6.11	20
Di-isopropyl ether	5.00	6.40	6.04	128	121	60.0-136			5.79	20
Ethylbenzene	5.00	4.89	4.76	97.8	95.2	74.0-126			2.69	20
Hexachloro-1,3-butadiene	5.00	2.66	2.84	53.2	56.8	57.0-150	J4	J4	6.55	20
Isopropylbenzene	5.00	4.34	4.37	86.8	87.4	72.0-127			0.689	20

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

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

(LCS) R3795485-1 05/23/22 16:58 • (LCSD) R3795485-2 05/23/22 17:17

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 %
p-Isopropyltoluene	5.00	4.16	4.17	83.2	83.4	72.0-133			0.240	20
2-Butanone (MEK)	25.0	30.1	29.5	120	118	30.0-160			2.01	24
Methylene Chloride	5.00	4.95	4.99	99.0	99.8	68.0-123			0.805	20
4-Methyl-2-pentanone (MIBK)	25.0	31.2	30.3	125	121	56.0-143			2.93	20
Methyl tert-butyl ether	5.00	4.41	4.46	88.2	89.2	66.0-132			1.13	20
Naphthalene	5.00	3.28	3.49	65.6	69.8	59.0-130			6.20	20
n-Propylbenzene	5.00	4.28	4.54	85.6	90.8	74.0-126			5.90	20
Styrene	5.00	4.41	4.54	88.2	90.8	72.0-127			2.91	20
1,1,1,2-Tetrachloroethane	5.00	4.82	4.97	96.4	99.4	74.0-129			3.06	20
1,1,2,2-Tetrachloroethane	5.00	4.73	4.38	94.6	87.6	68.0-128			7.68	20
1,1,2-Trichlorotrifluoroethane	5.00	5.02	5.32	100	106	61.0-139			5.80	20
Tetrachloroethene	5.00	5.05	5.13	101	103	70.0-136			1.57	20
Toluene	5.00	5.02	4.99	100	99.8	75.0-121			0.599	20
1,2,3-Trichlorobenzene	5.00	2.84	3.00	56.8	60.0	59.0-139	J4		5.48	20
1,2,4-Trichlorobenzene	5.00	2.85	2.91	57.0	58.2	62.0-137	J4	J4	2.08	20
1,1,1-Trichloroethane	5.00	5.01	4.94	100	98.8	69.0-126			1.41	20
1,1,2-Trichloroethane	5.00	4.69	4.64	93.8	92.8	78.0-123			1.07	20
Trichloroethene	5.00	5.34	5.30	107	106	76.0-126			0.752	20
Trichlorofluoromethane	5.00	4.26	4.46	85.2	89.2	61.0-142			4.59	20
1,2,3-Trichloropropane	5.00	5.23	4.66	105	93.2	67.0-129			11.5	20
1,2,4-Trimethylbenzene	5.00	4.13	4.08	82.6	81.6	70.0-126			1.22	20
1,2,3-Trimethylbenzene	5.00	4.19	4.18	83.8	83.6	74.0-124			0.239	20
1,3,5-Trimethylbenzene	5.00	4.31	4.29	86.2	85.8	73.0-127			0.465	20
Vinyl chloride	5.00	5.50	5.65	110	113	63.0-134			2.69	20
Xylenes, Total	15.0	14.5	14.4	96.7	96.0	72.0-127			0.692	20
Ethyl ether	5.00	5.52	5.67	110	113	64.0-137			2.68	20
Tetrahydrofuran	5.00	5.89	5.71	118	114	37.0-146			3.10	24
Iodomethane	25.0	23.7	23.7	94.8	94.8	74.0-134			0.000	20
Allyl chloride	25.0	24.3	24.9	97.2	99.6	70.0-131			2.44	20
trans-1,4-Dichloro-2-butene	5.00	5.15	4.73	103	94.6	45.0-143			8.50	20
(S) Toluene-d8				105	106	75.0-131				
(S) 4-Bromofluorobenzene				104	103	67.0-138				
(S) 1,2-Dichloroethane-d4				97.1	100	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3795594-3 05/24/22 10:48

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3795594-3 05/24/22 10:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	102			75.0-131
(S) 4-Bromofluorobenzene	104			67.0-138
(S) 1,2-Dichloroethane-d4	102			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3795594-1 05/24/22 08:51 • (LCSD) R3795594-2 05/24/22 09:11

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 %
Acetone	25.0	15.8	16.5	63.2	66.0	10.0-160			4.33	31
Acrylonitrile	25.0	17.1	19.3	68.4	77.2	45.0-153			12.1	22
Benzene	5.00	4.33	4.67	86.6	93.4	70.0-123			7.56	20
Bromobenzene	5.00	4.25	4.77	85.0	95.4	73.0-121			11.5	20
Bromodichloromethane	5.00	4.53	4.91	90.6	98.2	73.0-121			8.05	20
Bromoform	5.00	3.10	3.77	62.0	75.4	64.0-132	J4		19.5	20
Bromomethane	5.00	4.87	5.39	97.4	108	56.0-147			10.1	20
n-Butylbenzene	5.00	4.35	5.01	87.0	100	68.0-135			14.1	20
sec-Butylbenzene	5.00	4.48	5.15	89.6	103	74.0-130			13.9	20
tert-Butylbenzene	5.00	4.07	4.64	81.4	92.8	75.0-127			13.1	20
Carbon tetrachloride	5.00	4.71	5.26	94.2	105	66.0-128			11.0	20
Chlorobenzene	5.00	4.40	4.99	88.0	99.8	76.0-128			12.6	20
Chlorodibromomethane	5.00	3.89	4.61	77.8	92.2	74.0-127			16.9	20
Chloroethane	5.00	5.43	5.76	109	115	61.0-134			5.90	20
Chloroform	5.00	4.82	5.30	96.4	106	72.0-123			9.49	20
Chloromethane	5.00	5.84	6.27	117	125	51.0-138			7.10	20
2-Chlorotoluene	5.00	4.02	4.52	80.4	90.4	75.0-124			11.7	20
4-Chlorotoluene	5.00	4.04	4.45	80.8	89.0	75.0-124			9.66	20
1,2-Dibromo-3-Chloropropane	5.00	3.04	3.33	60.8	66.6	59.0-130			9.11	20
1,2-Dibromoethane	5.00	4.18	4.71	83.6	94.2	74.0-128			11.9	20
Dibromomethane	5.00	4.47	4.73	89.4	94.6	75.0-122			5.65	20
1,2-Dichlorobenzene	5.00	4.49	4.95	89.8	99.0	76.0-124			9.75	20
1,3-Dichlorobenzene	5.00	4.50	4.94	90.0	98.8	76.0-125			9.32	20
1,4-Dichlorobenzene	5.00	4.47	4.87	89.4	97.4	77.0-121			8.57	20
Dichlorodifluoromethane	5.00	5.06	5.44	101	109	43.0-156			7.24	20
1,1-Dichloroethane	5.00	4.62	4.95	92.4	99.0	70.0-127			6.90	20
1,2-Dichloroethane	5.00	4.52	4.82	90.4	96.4	65.0-131			6.42	20
1,1-Dichloroethene	5.00	4.60	5.07	92.0	101	65.0-131			9.72	20
cis-1,2-Dichloroethene	5.00	5.12	5.52	102	110	73.0-125			7.52	20
trans-1,2-Dichloroethene	5.00	5.18	5.72	104	114	71.0-125			9.91	20
1,2-Dichloropropane	5.00	4.29	4.54	85.8	90.8	74.0-125			5.66	20
1,1-Dichloropropene	5.00	4.87	5.54	97.4	111	73.0-125			12.9	20
1,3-Dichloropropane	5.00	4.11	4.66	82.2	93.2	80.0-125			12.5	20
cis-1,3-Dichloropropene	5.00	4.23	4.53	84.6	90.6	76.0-127			6.85	20
trans-1,3-Dichloropropene	5.00	3.94	4.41	78.8	88.2	73.0-127			11.3	20
2,2-Dichloropropane	5.00	5.09	5.50	102	110	59.0-135			7.74	20
Di-isopropyl ether	5.00	4.73	5.01	94.6	100	60.0-136			5.75	20
Ethylbenzene	5.00	4.27	4.90	85.4	98.0	74.0-126			13.7	20
Hexachloro-1,3-butadiene	5.00	5.43	5.98	109	120	57.0-150			9.64	20
Isopropylbenzene	5.00	4.84	5.59	96.8	112	72.0-127			14.4	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3795594-1 05/24/22 08:51 • (LCSD) R3795594-2 05/24/22 09:11

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 %
p-Isopropyltoluene	5.00	4.17	4.67	83.4	93.4	72.0-133			11.3	20
2-Butanone (MEK)	25.0	18.2	20.9	72.8	83.6	30.0-160			13.8	24
Methylene Chloride	5.00	4.68	4.99	93.6	99.8	68.0-123			6.41	20
4-Methyl-2-pentanone (MIBK)	25.0	18.9	21.2	75.6	84.8	56.0-143			11.5	20
Methyl tert-butyl ether	5.00	4.65	4.89	93.0	97.8	66.0-132			5.03	20
Naphthalene	5.00	4.24	4.78	84.8	95.6	59.0-130			12.0	20
n-Propylbenzene	5.00	4.33	4.87	86.6	97.4	74.0-126			11.7	20
Styrene	5.00	4.31	4.86	86.2	97.2	72.0-127			12.0	20
1,1,1,2-Tetrachloroethane	5.00	4.35	4.73	87.0	94.6	74.0-129			8.37	20
1,1,2,2-Tetrachloroethane	5.00	3.87	4.24	77.4	84.8	68.0-128			9.12	20
1,1,2-Trichlorotrifluoroethane	5.00	4.95	5.43	99.0	109	61.0-139			9.25	20
Tetrachloroethene	5.00	4.90	5.78	98.0	116	70.0-136			16.5	20
Toluene	5.00	4.36	4.99	87.2	99.8	75.0-121			13.5	20
1,2,3-Trichlorobenzene	5.00	4.30	5.04	86.0	101	59.0-139			15.8	20
1,2,4-Trichlorobenzene	5.00	4.90	5.58	98.0	112	62.0-137			13.0	20
1,1,1-Trichloroethane	5.00	5.41	5.92	108	118	69.0-126			9.00	20
1,1,2-Trichloroethane	5.00	4.32	4.83	86.4	96.6	78.0-123			11.1	20
Trichloroethene	5.00	5.04	5.77	101	115	76.0-126			13.5	20
Trichlorofluoromethane	5.00	5.01	5.42	100	108	61.0-142			7.86	20
1,2,3-Trichloropropane	5.00	4.01	4.31	80.2	86.2	67.0-129			7.21	20
1,2,4-Trimethylbenzene	5.00	4.25	4.80	85.0	96.0	70.0-126			12.2	20
1,2,3-Trimethylbenzene	5.00	4.13	4.57	82.6	91.4	74.0-124			10.1	20
1,3,5-Trimethylbenzene	5.00	4.14	4.67	82.8	93.4	73.0-127			12.0	20
Vinyl chloride	5.00	4.85	5.26	97.0	105	63.0-134			8.11	20
Xylenes, Total	15.0	13.1	14.8	87.3	98.7	72.0-127			12.2	20
Ethyl ether	5.00	4.49	4.63	89.8	92.6	64.0-137			3.07	20
Tetrahydrofuran	5.00	3.64	4.19	72.8	83.8	37.0-146			14.0	24
Iodomethane	25.0	25.2	27.3	101	109	74.0-134			8.00	20
Allyl chloride	25.0	23.2	25.4	92.8	102	70.0-131			9.05	20
trans-1,4-Dichloro-2-butene	5.00	1.70	2.16	34.0	43.2	45.0-143	<u>J4</u>	<u>J3 J4</u>	23.8	20
<i>(S) Toluene-d8</i>				98.5	99.9	75.0-131				
<i>(S) 4-Bromofluorobenzene</i>				104	104	67.0-138				
<i>(S) 1,2-Dichloroethane-d4</i>				104	102	70.0-130				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3796121-2 05/25/22 11:47

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	101			75.0-131
(S) 4-Bromofluorobenzene	107			67.0-138
(S) 1,2-Dichloroethane-d4	98.8			70.0-130

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

(LCS) R3796121-1 05/25/22 10:50 • (LCSD) R3796121-3 05/25/22 12:44

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
cis-1,2-Dichloroethene	5.00	4.82	5.16	96.4	103	73.0-125			6.81	20
Vinyl chloride	5.00	4.66	5.76	93.2	115	63.0-134		J3	21.1	20
(S) Toluene-d8				99.9	99.7	75.0-131				
(S) 4-Bromofluorobenzene				106	105	67.0-138				
(S) 1,2-Dichloroethane-d4				102	102	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 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
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.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
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.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc

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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr


⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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 1 of 2
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Report to: Brian O'Neal/Bill Haldeman		Email To: Shannon.McKernan@nv5.com;brian.oneal@nv5		City/State Collected: SEATTLE WA		Please Circle: PT MT CT ET		 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	
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Project Description: American Linen		Client Project # 443018-1413001.05.60 10.701		Lab Project # PESENVSWA-ALP		Phone: 206-529-3980		SDG # U494109 G024	
Collected by (print): BLH		Site/Facility ID #		P.O. # 443018-1413001.05.601		Collected by (signature): [Signature]		Acctnum: PESENVSWA Template: T207752 Prelogin: P919175 PM: 546 - Jared Starkey PB:	
Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>		Rush? (Lab MUST Be Notified) Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day <input type="checkbox"/>		Quote #		Date Results Needed Standard		No. of Cntrs	

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK 125mlHDPE-NoPres	CHLORIDE, NITRATE 125mlHDPE-NoPres	FE3, MNG 250mlHDPE-HNO3	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl	Remarks	Sample # (lab only)
MW12-051322	Grab	GW	-	5/13/22	1141	8			X	X	X	X	X		01
MW14-051222		GW	-	5/12/22	1030	3							X		02
MW-189-051222		GW	-	5/12/22	1206	8			X	X	X	X	X		03
MW104-051222		GW	-	5/12/22	1345	8			X	X	X	X	X		04
MW120-051122		GW	-	5/11/22	1516	8			X	X	X	X	X		05
MW-166-051322		GW	-	5/13/22	1215	8			X	X	X	X	X		06
MW-165-051322		GW	-	5/13/22	1135	8			X	X	X	X	X		07
MW-175-051322		GW	-		1205	3							X		08
MW-168-051322		GW	-		945	3							X		09
MW-174-051322	✓	GW	-		950	3							X		10

* 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: <input type="checkbox"/> NP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input type="checkbox"/> Y <input type="checkbox"/> N if Applicable VOA Zero Headspace: <input type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input type="checkbox"/> Y <input type="checkbox"/> N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	Tracking #	

Relinquished by: (Signature) [Signature]	Date: 5/13/2022	Time: 1430	Received by: (Signature)	Trip Blank Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No HCl / MeOH TBR	Temp: _____ °C Bottles Received: 83	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date: 5/14/2022	Time: 9:45	Hold:
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) [Signature]	Date:	Time:	Condition: NCF / OK

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

Analysis / Container / Preservative
 Pres Chk



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>

SDG # 4494101
 Table #
 Acctnum: **PESENVSWA**
 Template: **T207754**
 Prelogin: **P919179**
 PM: **546 - Jared Starkey**
 PB:

Shipped Via:

Remarks Sample # (lab only)

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State Collected:

Please Circle:
 PT MT CT ET

Phone: **206-529-3980**

Client Project #
443018-1413001.05.60
10-701

Lab Project #
PESENVSWA-ALP

Collected by (print):
BLH

Site/Facility ID #

P.O. #
443018-1413001.05.601

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
Standard

Immediately Packed on Ice N Y

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs
MW-167-051322	Grab	GW	-	5-13-22	1055	3
MW-186-051222		GW	-	5/12/22	1345	3
MW-173-051322		GW	-	5/13/22	1100	3
MW-187-051222		GW	-	5/12/22	1005	3
MW-185-051222		GW	-	↓	1605	3
MW-188-051222	↓	GW	-	↓	1445	3
TB-051322	-	GW	-	5/13/22	1500	1
MW-169-051222	Grab	GW	-	5/12/22	1437	8
MW-176-051322	↓	GW	-	5/13/22	1308	3

FEG,MNG 250mlHDPE-HNO3
 NWTPHGX 40mlAmb HCl
 RSK175LL 40mlAmb-HCl
 SULFATE 125mlHDPE-NoPres
 TOC 250mlHDPE-HCl
 V8260ULLC 40mlAmb-HCl

Remarks	Sample # (lab only)
	11
	12
	13
	14
	15
	16
	17
	18
	19
	20

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
MW-169-051222 No NWTPH-Gx
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via:
 UPS FedEx Courier _____
 Tracking # _____

Sample Receipt Checklist
 COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 IF Applicable
 VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)

Date: 5/13/2022
 Time: 1430

Received by: (Signature)

Trip Blank Received: Yes/No
 HCL/MeOH
 TBR

Relinquished by: (Signature)

Date: _____
 Time: _____

Received by: (Signature)

Temp: 2.9 °C
 Bottles Received: 83

If preservation required by Login: Date/Time

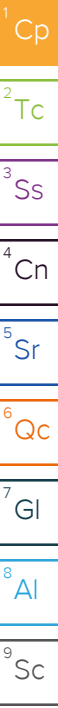
Relinquished by: (Signature)

Date: _____
 Time: _____

Received for lab by: (Signature)

Date: 5/10/22
 Time: 9:45

Hold: _____
 Condition: NCF / 6x



PES Environmental, Inc.- WA

Sample Delivery Group: L1496120
Samples Received: 05/19/2022
Project Number: 443018-1413001.05.60
Description: American Linen

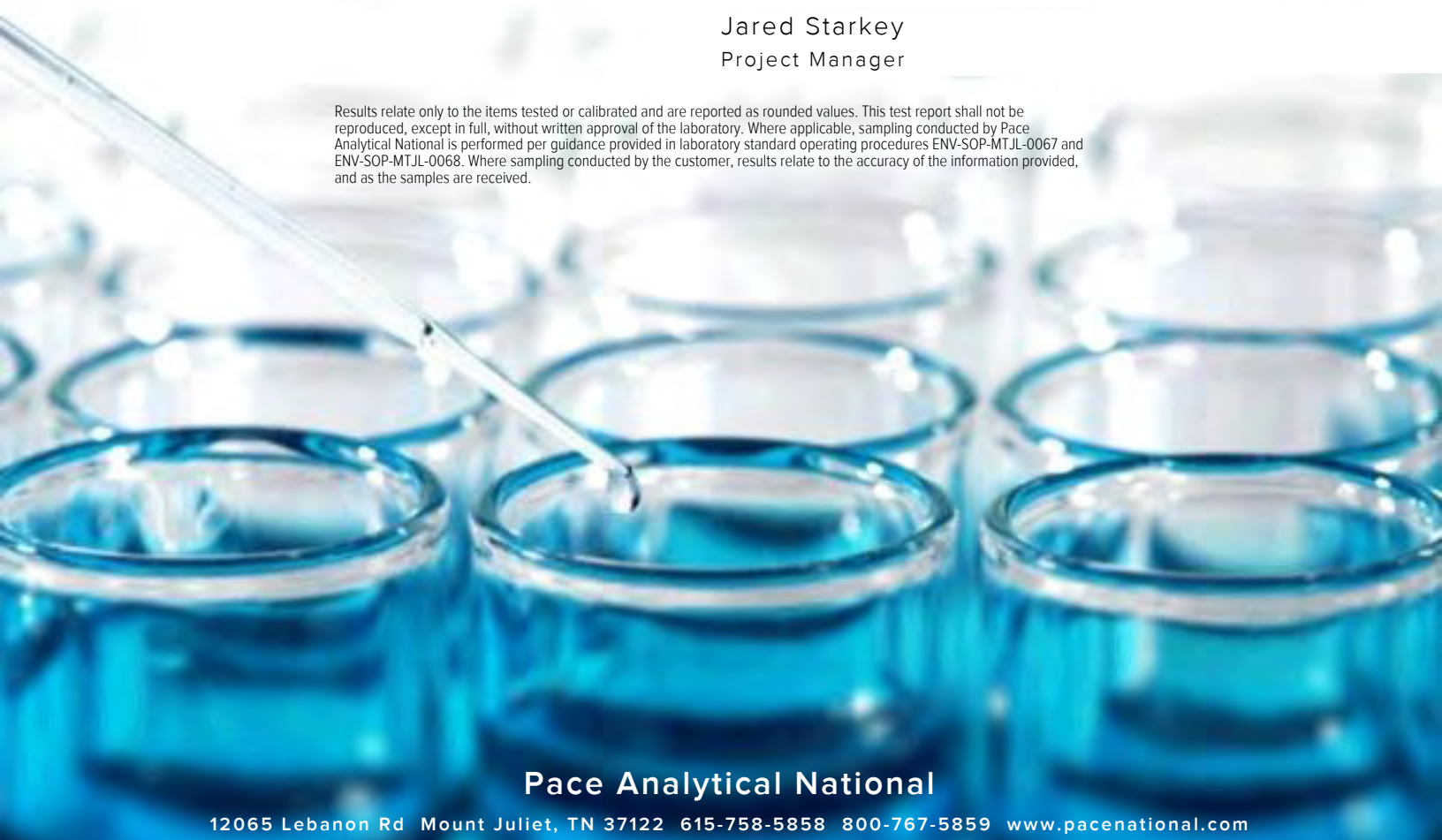
Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

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.

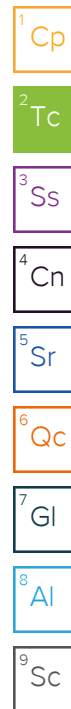


Pace Analytical National

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

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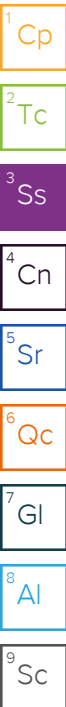


SAMPLE SUMMARY

R-MW5-051722 L1496120-01 GW

Collected by: RTM
 Collected date/time: 05/17/22 10:40
 Received date/time: 05/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1876152	1	06/09/22 21:29	06/09/22 21:29	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1876276	1	06/09/22 05:53	06/09/22 05:53	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1869882	1	05/27/22 08:35	05/29/22 19:13	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1868643	1	05/24/22 18:11	05/24/22 18:11	CAM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1869270	1	05/27/22 13:01	05/27/22 13:01	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1869646	1	05/26/22 06:05	05/26/22 06:05	GLN	Mt. Juliet, TN



MW105-051722 L1496120-02 GW

Collected by: RTM
 Collected date/time: 05/17/22 13:04
 Received date/time: 05/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1876152	1	06/09/22 21:42	06/09/22 21:42	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1876276	1	06/09/22 06:06	06/09/22 06:06	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1869882	1	05/27/22 08:35	05/29/22 19:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1869270	1	05/27/22 13:06	05/27/22 13:06	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1869646	1	05/26/22 06:24	05/26/22 06:24	GLN	Mt. Juliet, TN

MW-158A-051722 L1496120-03 GW

Collected by: RTM
 Collected date/time: 05/17/22 15:25
 Received date/time: 05/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1876152	1	06/09/22 21:54	06/09/22 21:54	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1876276	1	06/09/22 06:19	06/09/22 06:19	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1869882	1	05/27/22 08:35	05/29/22 19:30	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1869270	1	05/27/22 13:09	05/27/22 13:09	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1869646	1	05/26/22 06:43	05/26/22 06:43	GLN	Mt. Juliet, TN

MW-302-051722 L1496120-04 GW

Collected by: RTM
 Collected date/time: 05/17/22 11:00
 Received date/time: 05/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1869646	1	05/26/22 07:03	05/26/22 07:03	GLN	Mt. Juliet, TN

BB-8-051722 L1496120-05 GW

Collected by: RTM
 Collected date/time: 05/17/22 13:10
 Received date/time: 05/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1876152	1	06/09/22 22:07	06/09/22 22:07	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1876276	1	06/09/22 06:32	06/09/22 06:32	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1869882	1	05/27/22 08:35	05/29/22 19:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1869270	1	05/27/22 13:13	05/27/22 13:13	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1869646	1	05/26/22 07:22	05/26/22 07:22	GLN	Mt. Juliet, TN

MW-343-051722 L1496120-06 GW

Collected by: RTM
 Collected date/time: 05/17/22 14:40
 Received date/time: 05/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1870493	1	05/27/22 15:38	05/27/22 15:38	BMB	Mt. Juliet, TN

SAMPLE SUMMARY

MW-342-051722 L1496120-07 GW

Collected by: RTM
 Collected date/time: 05/17/22 15:11
 Received date/time: 05/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1870493	1	05/27/22 15:57	05/27/22 15:57	BMB	Mt. Juliet, TN

1 Cp

2 Tc

MW-314-051822 L1496120-08 GW

Collected by: RTM
 Collected date/time: 05/18/22 10:53
 Received date/time: 05/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1870493	1	05/27/22 16:16	05/27/22 16:16	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1871367	50	05/29/22 17:31	05/29/22 17:31	ADM	Mt. Juliet, TN

3 Ss

4 Cn

5 Sr

MW110-051822 L1496120-09 GW

Collected by: RTM
 Collected date/time: 05/18/22 12:40
 Received date/time: 05/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1876152	1	06/09/22 22:19	06/09/22 22:19	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1876276	1	06/09/22 07:49	06/09/22 07:49	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1869882	1	05/27/22 08:35	05/29/22 19:36	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1869270	1	05/27/22 14:27	05/27/22 14:27	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1870840	10	05/28/22 14:47	05/28/22 14:47	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1870493	25	05/27/22 18:10	05/27/22 18:10	BMB	Mt. Juliet, TN

6 Qc

7 Gl

8 Al

9 Sc

MW-313-051822 L1496120-10 GW

Collected by: RTM
 Collected date/time: 05/18/22 11:45
 Received date/time: 05/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1870493	1	05/27/22 16:35	05/27/22 16:35	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1871367	1	05/29/22 16:53	05/29/22 16:53	ADM	Mt. Juliet, TN

EQ-051822 L1496120-11 GW

Collected by: RTM
 Collected date/time: 05/18/22 13:15
 Received date/time: 05/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1876152	1	06/09/22 22:31	06/09/22 22:31	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1876276	1	06/09/22 08:15	06/09/22 08:15	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1869882	1	05/27/22 08:35	05/29/22 19:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1869270	1	05/27/22 14:31	05/27/22 14:31	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1870493	1	05/27/22 16:54	05/27/22 16:54	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1871367	1	05/29/22 17:12	05/29/22 17:12	ADM	Mt. Juliet, TN

MW111-051822 L1496120-12 GW

Collected by: RTM
 Collected date/time: 05/18/22 10:27
 Received date/time: 05/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1876152	1	06/09/22 22:44	06/09/22 22:44	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1876276	1	06/09/22 08:27	06/09/22 08:27	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1869882	1	05/27/22 08:35	05/29/22 19:51	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1869273	1	05/27/22 15:40	05/27/22 15:40	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1870493	1	05/27/22 17:13	05/27/22 17:13	BMB	Mt. Juliet, TN

SAMPLE SUMMARY

MW108-051822 L1496120-13 GW

Collected by: RTM
 Collected date/time: 05/18/22 11:45
 Received date/time: 05/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1878336	1	06/12/22 21:01	06/12/22 21:01	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1876276	1	06/09/22 08:41	06/09/22 08:41	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1869882	1	05/27/22 08:35	05/29/22 19:55	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1869273	1	05/27/22 15:47	05/27/22 15:47	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1870493	1	05/27/22 18:30	05/27/22 18:30	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1871367	50	05/29/22 17:50	05/29/22 17:50	ADM	Mt. Juliet, TN

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn

MW-310-051822 L1496120-14 GW

Collected by: RTM
 Collected date/time: 05/18/22 12:43
 Received date/time: 05/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1870493	1	05/27/22 17:32	05/27/22 17:32	BMB	Mt. Juliet, TN

- 5 Sr
- 6 Qc
- 7 Gl

MW122-051822 L1496120-15 GW

Collected by: RTM
 Collected date/time: 05/18/22 14:14
 Received date/time: 05/19/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1870493	1	05/27/22 17:51	05/27/22 17:51	BMB	Mt. Juliet, TN

- 8 Al
- 9 Sc

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

Report Revision History

Level II Report - Version 1: 06/15/22 15:27
Level II Report - Version 2: 08/02/22 16:33

Project Narrative

Added 1,2,3-TCB to -01 through -05
Added chloromethane to -06

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	9570		594	5000	1	06/09/2022 21:29	WG1876152

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)	6800		102	1000	1	06/09/2022 05:53	WG1876276

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	6280	O1	28.1	100	1	05/29/2022 19:13	WG1869882
Manganese	3160	O1V	0.704	5.00	1	05/29/2022 19:13	WG1869882

Volatile Organic Compounds (GC) by Method NWTPHGX

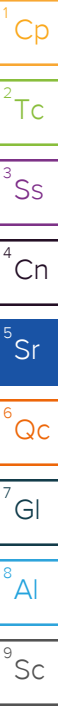
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/24/2022 18:11	WG1868643
^(S) <i>a,a,a</i> -Trifluorotoluene(FID)	101			78.0-120		05/24/2022 18:11	WG1868643

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	682		0.287	0.678	1	05/27/2022 13:01	WG1869270
Ethane	1.23	J	0.296	1.29	1	05/27/2022 13:01	WG1869270
Ethene	U		0.422	1.27	1	05/27/2022 13:01	WG1869270

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	1.23	C3	0.548	1.00	1	05/26/2022 06:05	WG1869646
Acrylonitrile	U	C3	0.0760	0.500	1	05/26/2022 06:05	WG1869646
Benzene	U		0.0160	0.0400	1	05/26/2022 06:05	WG1869646
Bromobenzene	U		0.0420	0.500	1	05/26/2022 06:05	WG1869646
Bromodichloromethane	U		0.0315	0.100	1	05/26/2022 06:05	WG1869646
Bromoform	U		0.239	1.00	1	05/26/2022 06:05	WG1869646
Bromomethane	U		0.148	0.500	1	05/26/2022 06:05	WG1869646
n-Butylbenzene	U		0.153	0.500	1	05/26/2022 06:05	WG1869646
sec-Butylbenzene	U		0.101	0.500	1	05/26/2022 06:05	WG1869646
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2022 06:05	WG1869646
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2022 06:05	WG1869646
Chlorobenzene	U		0.0229	0.100	1	05/26/2022 06:05	WG1869646
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2022 06:05	WG1869646
Chloroethane	U		0.0432	0.200	1	05/26/2022 06:05	WG1869646
Chloroform	U		0.0166	0.100	1	05/26/2022 06:05	WG1869646
Chloromethane	U		0.0556	0.500	1	05/26/2022 06:05	WG1869646
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2022 06:05	WG1869646
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2022 06:05	WG1869646
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/26/2022 06:05	WG1869646
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2022 06:05	WG1869646
Dibromomethane	U		0.0400	0.200	1	05/26/2022 06:05	WG1869646
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2022 06:05	WG1869646
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2022 06:05	WG1869646



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2022 06:05	WG1869646
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2022 06:05	WG1869646
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2022 06:05	WG1869646
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2022 06:05	WG1869646
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2022 06:05	WG1869646
cis-1,2-Dichloroethene	0.253		0.0276	0.100	1	05/26/2022 06:05	WG1869646
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2022 06:05	WG1869646
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2022 06:05	WG1869646
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2022 06:05	WG1869646
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2022 06:05	WG1869646
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2022 06:05	WG1869646
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2022 06:05	WG1869646
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2022 06:05	WG1869646
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2022 06:05	WG1869646
Ethylbenzene	U		0.0212	0.100	1	05/26/2022 06:05	WG1869646
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2022 06:05	WG1869646
Isopropylbenzene	U		0.0345	0.100	1	05/26/2022 06:05	WG1869646
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2022 06:05	WG1869646
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2022 06:05	WG1869646
Methylene Chloride	U		0.265	1.00	1	05/26/2022 06:05	WG1869646
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/26/2022 06:05	WG1869646
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2022 06:05	WG1869646
Naphthalene	U		0.124	0.500	1	05/26/2022 06:05	WG1869646
n-Propylbenzene	U		0.0472	0.200	1	05/26/2022 06:05	WG1869646
Styrene	U		0.109	0.500	1	05/26/2022 06:05	WG1869646
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2022 06:05	WG1869646
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/26/2022 06:05	WG1869646
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2022 06:05	WG1869646
Tetrachloroethene	0.321		0.0280	0.100	1	05/26/2022 06:05	WG1869646
Toluene	U		0.0500	0.200	1	05/26/2022 06:05	WG1869646
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/26/2022 06:05	WG1869646
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2022 06:05	WG1869646
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2022 06:05	WG1869646
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2022 06:05	WG1869646
Trichloroethene	0.188		0.0160	0.0400	1	05/26/2022 06:05	WG1869646
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2022 06:05	WG1869646
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2022 06:05	WG1869646
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2022 06:05	WG1869646
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2022 06:05	WG1869646
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2022 06:05	WG1869646
Vinyl chloride	U		0.0273	0.100	1	05/26/2022 06:05	WG1869646
Xylenes, Total	U		0.191	0.260	1	05/26/2022 06:05	WG1869646
Ethyl Ether	U		0.0170	0.100	1	05/26/2022 06:05	WG1869646
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2022 06:05	WG1869646
Iodomethane	U		0.242	0.500	1	05/26/2022 06:05	WG1869646
Allyl chloride	U		0.580	1.00	1	05/26/2022 06:05	WG1869646
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/26/2022 06:05	WG1869646
(S) Toluene-d8	99.5			75.0-131		05/26/2022 06:05	WG1869646
(S) 4-Bromofluorobenzene	106			67.0-138		05/26/2022 06:05	WG1869646
(S) 1,2-Dichloroethane-d4	97.1			70.0-130		05/26/2022 06:05	WG1869646

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	4990	J	594	5000	1	06/09/2022 21:42	WG1876152

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)	2230	B	102	1000	1	06/09/2022 06:06	WG1876276

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5890		28.1	100	1	05/29/2022 19:26	WG1869882
Manganese	807		0.704	5.00	1	05/29/2022 19:26	WG1869882

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	524		0.287	0.678	1	05/27/2022 13:06	WG1869270
Ethane	0.523	J	0.296	1.29	1	05/27/2022 13:06	WG1869270
Ethene	0.865	J	0.422	1.27	1	05/27/2022 13:06	WG1869270

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	1.64	C3	0.548	1.00	1	05/26/2022 06:24	WG1869646
Acrylonitrile	U	C3	0.0760	0.500	1	05/26/2022 06:24	WG1869646
Benzene	U		0.0160	0.0400	1	05/26/2022 06:24	WG1869646
Bromobenzene	U		0.0420	0.500	1	05/26/2022 06:24	WG1869646
Bromodichloromethane	U		0.0315	0.100	1	05/26/2022 06:24	WG1869646
Bromoform	U		0.239	1.00	1	05/26/2022 06:24	WG1869646
Bromomethane	U		0.148	0.500	1	05/26/2022 06:24	WG1869646
n-Butylbenzene	U		0.153	0.500	1	05/26/2022 06:24	WG1869646
sec-Butylbenzene	U		0.101	0.500	1	05/26/2022 06:24	WG1869646
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2022 06:24	WG1869646
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2022 06:24	WG1869646
Chlorobenzene	U		0.0229	0.100	1	05/26/2022 06:24	WG1869646
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2022 06:24	WG1869646
Chloroethane	U		0.0432	0.200	1	05/26/2022 06:24	WG1869646
Chloroform	U		0.0166	0.100	1	05/26/2022 06:24	WG1869646
Chloromethane	U		0.0556	0.500	1	05/26/2022 06:24	WG1869646
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2022 06:24	WG1869646
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2022 06:24	WG1869646
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/26/2022 06:24	WG1869646
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2022 06:24	WG1869646
Dibromomethane	U		0.0400	0.200	1	05/26/2022 06:24	WG1869646
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2022 06:24	WG1869646
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2022 06:24	WG1869646
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2022 06:24	WG1869646
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2022 06:24	WG1869646
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2022 06:24	WG1869646
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2022 06:24	WG1869646
1,1-Dichloroethene	0.652		0.0200	0.100	1	05/26/2022 06:24	WG1869646
cis-1,2-Dichloroethene	6.78		0.0276	0.100	1	05/26/2022 06:24	WG1869646
trans-1,2-Dichloroethene	0.151	J	0.0572	0.200	1	05/26/2022 06:24	WG1869646
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2022 06:24	WG1869646

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
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2022 06:24	WG1869646
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2022 06:24	WG1869646
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2022 06:24	WG1869646
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2022 06:24	WG1869646
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2022 06:24	WG1869646
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2022 06:24	WG1869646
Ethylbenzene	U		0.0212	0.100	1	05/26/2022 06:24	WG1869646
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2022 06:24	WG1869646
Isopropylbenzene	U		0.0345	0.100	1	05/26/2022 06:24	WG1869646
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2022 06:24	WG1869646
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2022 06:24	WG1869646
Methylene Chloride	U		0.265	1.00	1	05/26/2022 06:24	WG1869646
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/26/2022 06:24	WG1869646
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2022 06:24	WG1869646
Naphthalene	U		0.124	0.500	1	05/26/2022 06:24	WG1869646
n-Propylbenzene	U		0.0472	0.200	1	05/26/2022 06:24	WG1869646
Styrene	U		0.109	0.500	1	05/26/2022 06:24	WG1869646
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2022 06:24	WG1869646
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/26/2022 06:24	WG1869646
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2022 06:24	WG1869646
Tetrachloroethene	U		0.0280	0.100	1	05/26/2022 06:24	WG1869646
Toluene	U		0.0500	0.200	1	05/26/2022 06:24	WG1869646
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/26/2022 06:24	WG1869646
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2022 06:24	WG1869646
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2022 06:24	WG1869646
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2022 06:24	WG1869646
Trichloroethene	0.0950		0.0160	0.0400	1	05/26/2022 06:24	WG1869646
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2022 06:24	WG1869646
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2022 06:24	WG1869646
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2022 06:24	WG1869646
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2022 06:24	WG1869646
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2022 06:24	WG1869646
Vinyl chloride	U		0.0273	0.100	1	05/26/2022 06:24	WG1869646
Xylenes, Total	U		0.191	0.260	1	05/26/2022 06:24	WG1869646
Ethyl Ether	U		0.0170	0.100	1	05/26/2022 06:24	WG1869646
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2022 06:24	WG1869646
Iodomethane	U		0.242	0.500	1	05/26/2022 06:24	WG1869646
Allyl chloride	U		0.580	1.00	1	05/26/2022 06:24	WG1869646
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/26/2022 06:24	WG1869646
(S) Toluene-d8	98.2			75.0-131		05/26/2022 06:24	WG1869646
(S) 4-Bromofluorobenzene	105			67.0-138		05/26/2022 06:24	WG1869646
(S) 1,2-Dichloroethane-d4	97.3			70.0-130		05/26/2022 06:24	WG1869646

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	16700		594	5000	1	06/09/2022 21:54	WG1876152

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)	2770	<u>B</u>	102	1000	1	06/09/2022 06:19	WG1876276

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	15400		28.1	100	1	05/29/2022 19:30	WG1869882
Manganese	609		0.704	5.00	1	05/29/2022 19:30	WG1869882

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	642		0.287	0.678	1	05/27/2022 13:09	WG1869270
Ethane	1.28	<u>J</u>	0.296	1.29	1	05/27/2022 13:09	WG1869270
Ethene	1.32		0.422	1.27	1	05/27/2022 13:09	WG1869270

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	<u>C3</u>	0.548	1.00	1	05/26/2022 06:43	WG1869646
Acrylonitrile	U	<u>C3</u>	0.0760	0.500	1	05/26/2022 06:43	WG1869646
Benzene	U		0.0160	0.0400	1	05/26/2022 06:43	WG1869646
Bromobenzene	U		0.0420	0.500	1	05/26/2022 06:43	WG1869646
Bromodichloromethane	U		0.0315	0.100	1	05/26/2022 06:43	WG1869646
Bromoform	U		0.239	1.00	1	05/26/2022 06:43	WG1869646
Bromomethane	U		0.148	0.500	1	05/26/2022 06:43	WG1869646
n-Butylbenzene	U		0.153	0.500	1	05/26/2022 06:43	WG1869646
sec-Butylbenzene	U		0.101	0.500	1	05/26/2022 06:43	WG1869646
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2022 06:43	WG1869646
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2022 06:43	WG1869646
Chlorobenzene	U		0.0229	0.100	1	05/26/2022 06:43	WG1869646
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2022 06:43	WG1869646
Chloroethane	U		0.0432	0.200	1	05/26/2022 06:43	WG1869646
Chloroform	U		0.0166	0.100	1	05/26/2022 06:43	WG1869646
Chloromethane	U		0.0556	0.500	1	05/26/2022 06:43	WG1869646
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2022 06:43	WG1869646
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2022 06:43	WG1869646
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	05/26/2022 06:43	WG1869646
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2022 06:43	WG1869646
Dibromomethane	U		0.0400	0.200	1	05/26/2022 06:43	WG1869646
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2022 06:43	WG1869646
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2022 06:43	WG1869646
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2022 06:43	WG1869646
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2022 06:43	WG1869646
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2022 06:43	WG1869646
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2022 06:43	WG1869646
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2022 06:43	WG1869646
cis-1,2-Dichloroethene	0.0640	<u>J</u>	0.0276	0.100	1	05/26/2022 06:43	WG1869646
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2022 06:43	WG1869646
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2022 06:43	WG1869646

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
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2022 06:43	WG1869646
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2022 06:43	WG1869646
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2022 06:43	WG1869646
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2022 06:43	WG1869646
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2022 06:43	WG1869646
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2022 06:43	WG1869646
Ethylbenzene	U		0.0212	0.100	1	05/26/2022 06:43	WG1869646
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2022 06:43	WG1869646
Isopropylbenzene	U		0.0345	0.100	1	05/26/2022 06:43	WG1869646
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2022 06:43	WG1869646
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2022 06:43	WG1869646
Methylene Chloride	U		0.265	1.00	1	05/26/2022 06:43	WG1869646
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/26/2022 06:43	WG1869646
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2022 06:43	WG1869646
Naphthalene	U		0.124	0.500	1	05/26/2022 06:43	WG1869646
n-Propylbenzene	U		0.0472	0.200	1	05/26/2022 06:43	WG1869646
Styrene	U		0.109	0.500	1	05/26/2022 06:43	WG1869646
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2022 06:43	WG1869646
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/26/2022 06:43	WG1869646
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2022 06:43	WG1869646
Tetrachloroethene	U		0.0280	0.100	1	05/26/2022 06:43	WG1869646
Toluene	U		0.0500	0.200	1	05/26/2022 06:43	WG1869646
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/26/2022 06:43	WG1869646
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2022 06:43	WG1869646
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2022 06:43	WG1869646
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2022 06:43	WG1869646
Trichloroethene	0.0890		0.0160	0.0400	1	05/26/2022 06:43	WG1869646
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2022 06:43	WG1869646
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2022 06:43	WG1869646
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2022 06:43	WG1869646
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2022 06:43	WG1869646
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2022 06:43	WG1869646
Vinyl chloride	0.276		0.0273	0.100	1	05/26/2022 06:43	WG1869646
Xylenes, Total	U		0.191	0.260	1	05/26/2022 06:43	WG1869646
Ethyl Ether	U		0.0170	0.100	1	05/26/2022 06:43	WG1869646
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2022 06:43	WG1869646
Iodomethane	U		0.242	0.500	1	05/26/2022 06:43	WG1869646
Allyl chloride	U		0.580	1.00	1	05/26/2022 06:43	WG1869646
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/26/2022 06:43	WG1869646
(S) Toluene-d8	101			75.0-131		05/26/2022 06:43	WG1869646
(S) 4-Bromofluorobenzene	103			67.0-138		05/26/2022 06:43	WG1869646
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/26/2022 06:43	WG1869646

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	C3	0.548	1.00	1	05/26/2022 07:03	WG1869646
Acrylonitrile	U	C3	0.0760	0.500	1	05/26/2022 07:03	WG1869646
Benzene	U		0.0160	0.0400	1	05/26/2022 07:03	WG1869646
Bromobenzene	U		0.0420	0.500	1	05/26/2022 07:03	WG1869646
Bromodichloromethane	U		0.0315	0.100	1	05/26/2022 07:03	WG1869646
Bromoform	U		0.239	1.00	1	05/26/2022 07:03	WG1869646
Bromomethane	U		0.148	0.500	1	05/26/2022 07:03	WG1869646
n-Butylbenzene	U		0.153	0.500	1	05/26/2022 07:03	WG1869646
sec-Butylbenzene	U		0.101	0.500	1	05/26/2022 07:03	WG1869646
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2022 07:03	WG1869646
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2022 07:03	WG1869646
Chlorobenzene	U		0.0229	0.100	1	05/26/2022 07:03	WG1869646
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2022 07:03	WG1869646
Chloroethane	U		0.0432	0.200	1	05/26/2022 07:03	WG1869646
Chloroform	U		0.0166	0.100	1	05/26/2022 07:03	WG1869646
Chloromethane	U		0.0556	0.500	1	05/26/2022 07:03	WG1869646
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2022 07:03	WG1869646
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2022 07:03	WG1869646
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/26/2022 07:03	WG1869646
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2022 07:03	WG1869646
Dibromomethane	U		0.0400	0.200	1	05/26/2022 07:03	WG1869646
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2022 07:03	WG1869646
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2022 07:03	WG1869646
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2022 07:03	WG1869646
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2022 07:03	WG1869646
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2022 07:03	WG1869646
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2022 07:03	WG1869646
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2022 07:03	WG1869646
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/26/2022 07:03	WG1869646
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2022 07:03	WG1869646
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2022 07:03	WG1869646
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2022 07:03	WG1869646
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2022 07:03	WG1869646
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2022 07:03	WG1869646
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2022 07:03	WG1869646
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2022 07:03	WG1869646
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2022 07:03	WG1869646
Ethylbenzene	0.121		0.0212	0.100	1	05/26/2022 07:03	WG1869646
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2022 07:03	WG1869646
Isopropylbenzene	U		0.0345	0.100	1	05/26/2022 07:03	WG1869646
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2022 07:03	WG1869646
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2022 07:03	WG1869646
Methylene Chloride	U		0.265	1.00	1	05/26/2022 07:03	WG1869646
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/26/2022 07:03	WG1869646
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2022 07:03	WG1869646
Naphthalene	U		0.124	0.500	1	05/26/2022 07:03	WG1869646
n-Propylbenzene	U		0.0472	0.200	1	05/26/2022 07:03	WG1869646
Styrene	U		0.109	0.500	1	05/26/2022 07:03	WG1869646
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2022 07:03	WG1869646
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/26/2022 07:03	WG1869646
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2022 07:03	WG1869646
Tetrachloroethene	U		0.0280	0.100	1	05/26/2022 07:03	WG1869646
Toluene	0.553		0.0500	0.200	1	05/26/2022 07:03	WG1869646
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/26/2022 07:03	WG1869646
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2022 07:03	WG1869646
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2022 07:03	WG1869646

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2022 07:03	WG1869646
Trichloroethene	U		0.0160	0.0400	1	05/26/2022 07:03	WG1869646
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2022 07:03	WG1869646
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2022 07:03	WG1869646
1,2,4-Trimethylbenzene	0.153	<u>J</u>	0.0464	0.200	1	05/26/2022 07:03	WG1869646
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2022 07:03	WG1869646
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2022 07:03	WG1869646
Vinyl chloride	U		0.0273	0.100	1	05/26/2022 07:03	WG1869646
Xylenes, Total	0.714		0.191	0.260	1	05/26/2022 07:03	WG1869646
Ethyl Ether	U		0.0170	0.100	1	05/26/2022 07:03	WG1869646
Tetrahydrofuran	2.87		0.0900	0.500	1	05/26/2022 07:03	WG1869646
Iodomethane	U		0.242	0.500	1	05/26/2022 07:03	WG1869646
Allyl chloride	U		0.580	1.00	1	05/26/2022 07:03	WG1869646
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.0560	0.200	1	05/26/2022 07:03	WG1869646
(S) Toluene-d8	101			75.0-131		05/26/2022 07:03	WG1869646
(S) 4-Bromofluorobenzene	104			67.0-138		05/26/2022 07:03	WG1869646
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/26/2022 07:03	WG1869646

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	42300		594	5000	1	06/09/2022 22:07	WG1876152

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)	1850	<u>B</u>	102	1000	1	06/09/2022 06:32	WG1876276

Metals (ICPMS) by Method 6020B

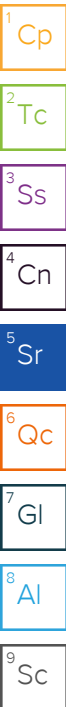
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	U		28.1	100	1	05/29/2022 19:33	WG1869882
Manganese	11.8		0.704	5.00	1	05/29/2022 19:33	WG1869882

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	05/27/2022 13:13	WG1869270
Ethane	U		0.296	1.29	1	05/27/2022 13:13	WG1869270
Ethene	U		0.422	1.27	1	05/27/2022 13:13	WG1869270

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	4.40	<u>C3</u>	0.548	1.00	1	05/26/2022 07:22	WG1869646
Acrylonitrile	U	<u>C3</u>	0.0760	0.500	1	05/26/2022 07:22	WG1869646
Benzene	U		0.0160	0.0400	1	05/26/2022 07:22	WG1869646
Bromobenzene	U		0.0420	0.500	1	05/26/2022 07:22	WG1869646
Bromodichloromethane	U		0.0315	0.100	1	05/26/2022 07:22	WG1869646
Bromoform	U		0.239	1.00	1	05/26/2022 07:22	WG1869646
Bromomethane	U		0.148	0.500	1	05/26/2022 07:22	WG1869646
n-Butylbenzene	U		0.153	0.500	1	05/26/2022 07:22	WG1869646
sec-Butylbenzene	U		0.101	0.500	1	05/26/2022 07:22	WG1869646
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2022 07:22	WG1869646
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2022 07:22	WG1869646
Chlorobenzene	U		0.0229	0.100	1	05/26/2022 07:22	WG1869646
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2022 07:22	WG1869646
Chloroethane	U		0.0432	0.200	1	05/26/2022 07:22	WG1869646
Chloroform	U		0.0166	0.100	1	05/26/2022 07:22	WG1869646
Chloromethane	U		0.0556	0.500	1	05/26/2022 07:22	WG1869646
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2022 07:22	WG1869646
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2022 07:22	WG1869646
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	05/26/2022 07:22	WG1869646
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2022 07:22	WG1869646
Dibromomethane	U		0.0400	0.200	1	05/26/2022 07:22	WG1869646
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2022 07:22	WG1869646
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2022 07:22	WG1869646
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2022 07:22	WG1869646
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2022 07:22	WG1869646
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2022 07:22	WG1869646
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2022 07:22	WG1869646
1,1-Dichloroethene	0.0750	<u>J</u>	0.0200	0.100	1	05/26/2022 07:22	WG1869646
cis-1,2-Dichloroethene	3.01		0.0276	0.100	1	05/26/2022 07:22	WG1869646
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2022 07:22	WG1869646
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2022 07:22	WG1869646



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	05/26/2022 07:22	WG1869646
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2022 07:22	WG1869646
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2022 07:22	WG1869646
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2022 07:22	WG1869646
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2022 07:22	WG1869646
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2022 07:22	WG1869646
Ethylbenzene	U		0.0212	0.100	1	05/26/2022 07:22	WG1869646
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2022 07:22	WG1869646
Isopropylbenzene	U		0.0345	0.100	1	05/26/2022 07:22	WG1869646
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2022 07:22	WG1869646
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2022 07:22	WG1869646
Methylene Chloride	U		0.265	1.00	1	05/26/2022 07:22	WG1869646
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/26/2022 07:22	WG1869646
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2022 07:22	WG1869646
Naphthalene	U		0.124	0.500	1	05/26/2022 07:22	WG1869646
n-Propylbenzene	U		0.0472	0.200	1	05/26/2022 07:22	WG1869646
Styrene	U		0.109	0.500	1	05/26/2022 07:22	WG1869646
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2022 07:22	WG1869646
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/26/2022 07:22	WG1869646
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2022 07:22	WG1869646
Tetrachloroethene	37.5		0.0280	0.100	1	05/26/2022 07:22	WG1869646
Toluene	U		0.0500	0.200	1	05/26/2022 07:22	WG1869646
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/26/2022 07:22	WG1869646
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/26/2022 07:22	WG1869646
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2022 07:22	WG1869646
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2022 07:22	WG1869646
Trichloroethene	6.35		0.0160	0.0400	1	05/26/2022 07:22	WG1869646
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2022 07:22	WG1869646
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2022 07:22	WG1869646
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/26/2022 07:22	WG1869646
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2022 07:22	WG1869646
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/26/2022 07:22	WG1869646
Vinyl chloride	U		0.0273	0.100	1	05/26/2022 07:22	WG1869646
Xylenes, Total	U		0.191	0.260	1	05/26/2022 07:22	WG1869646
Ethyl Ether	U		0.0170	0.100	1	05/26/2022 07:22	WG1869646
Tetrahydrofuran	U		0.0900	0.500	1	05/26/2022 07:22	WG1869646
Iodomethane	U		0.242	0.500	1	05/26/2022 07:22	WG1869646
Allyl chloride	U		0.580	1.00	1	05/26/2022 07:22	WG1869646
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/26/2022 07:22	WG1869646
(S) Toluene-d8	98.9			75.0-131		05/26/2022 07:22	WG1869646
(S) 4-Bromofluorobenzene	104			67.0-138		05/26/2022 07:22	WG1869646
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/26/2022 07:22	WG1869646

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
Acetone	U	C3	0.548	1.00	1	05/27/2022 15:38	WG1870493
Acrylonitrile	U	C3	0.0760	0.500	1	05/27/2022 15:38	WG1870493
Benzene	0.0940		0.0160	0.0400	1	05/27/2022 15:38	WG1870493
Bromobenzene	U		0.0420	0.500	1	05/27/2022 15:38	WG1870493
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 15:38	WG1870493
Bromoform	U		0.239	1.00	1	05/27/2022 15:38	WG1870493
Bromomethane	U	C3	0.148	0.500	1	05/27/2022 15:38	WG1870493
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 15:38	WG1870493
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 15:38	WG1870493
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 15:38	WG1870493
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 15:38	WG1870493
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 15:38	WG1870493
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 15:38	WG1870493
Chloroethane	U		0.0432	0.200	1	05/27/2022 15:38	WG1870493
Chloroform	U		0.0166	0.100	1	05/27/2022 15:38	WG1870493
Chloromethane	U		0.0556	0.500	1	05/27/2022 15:38	WG1870493
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 15:38	WG1870493
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 15:38	WG1870493
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/27/2022 15:38	WG1870493
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 15:38	WG1870493
Dibromomethane	U		0.0400	0.200	1	05/27/2022 15:38	WG1870493
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 15:38	WG1870493
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 15:38	WG1870493
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 15:38	WG1870493
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 15:38	WG1870493
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2022 15:38	WG1870493
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 15:38	WG1870493
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2022 15:38	WG1870493
cis-1,2-Dichloroethene	2.93		0.0276	0.100	1	05/27/2022 15:38	WG1870493
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2022 15:38	WG1870493
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 15:38	WG1870493
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 15:38	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 15:38	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 15:38	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 15:38	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 15:38	WG1870493
Di-isopropyl ether	0.0550		0.0140	0.0400	1	05/27/2022 15:38	WG1870493
Ethylbenzene	U		0.0212	0.100	1	05/27/2022 15:38	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 15:38	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 15:38	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 15:38	WG1870493
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/27/2022 15:38	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 15:38	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 15:38	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 15:38	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 15:38	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 15:38	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 15:38	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 15:38	WG1870493
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2022 15:38	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 15:38	WG1870493
Tetrachloroethene	U		0.0280	0.100	1	05/27/2022 15:38	WG1870493
Toluene	U		0.0500	0.200	1	05/27/2022 15:38	WG1870493
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/27/2022 15:38	WG1870493
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/27/2022 15:38	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 15:38	WG1870493

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 15:38	WG1870493
Trichloroethene	U		0.0160	0.0400	1	05/27/2022 15:38	WG1870493
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 15:38	WG1870493
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 15:38	WG1870493
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2022 15:38	WG1870493
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 15:38	WG1870493
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 15:38	WG1870493
Vinyl chloride	3.50		0.0273	0.100	1	05/27/2022 15:38	WG1870493
Xylenes, Total	U		0.191	0.260	1	05/27/2022 15:38	WG1870493
Ethyl Ether	U		0.0170	0.100	1	05/27/2022 15:38	WG1870493
Tetrahydrofuran	U	<u>C3</u>	0.0900	0.500	1	05/27/2022 15:38	WG1870493
Iodomethane	U		0.242	0.500	1	05/27/2022 15:38	WG1870493
Allyl chloride	U		0.580	1.00	1	05/27/2022 15:38	WG1870493
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.0560	0.200	1	05/27/2022 15:38	WG1870493
(S) Toluene-d8	101			75.0-131		05/27/2022 15:38	WG1870493
(S) 4-Bromofluorobenzene	102			67.0-138		05/27/2022 15:38	WG1870493
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/27/2022 15:38	WG1870493

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
Acetone	U	C3	0.548	1.00	1	05/27/2022 15:57	WG1870493
Acrylonitrile	U	C3	0.0760	0.500	1	05/27/2022 15:57	WG1870493
Benzene	0.779		0.0160	0.0400	1	05/27/2022 15:57	WG1870493
Bromobenzene	U		0.0420	0.500	1	05/27/2022 15:57	WG1870493
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 15:57	WG1870493
Bromoform	U		0.239	1.00	1	05/27/2022 15:57	WG1870493
Bromomethane	U	C3	0.148	0.500	1	05/27/2022 15:57	WG1870493
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 15:57	WG1870493
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 15:57	WG1870493
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 15:57	WG1870493
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 15:57	WG1870493
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 15:57	WG1870493
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 15:57	WG1870493
Chloroethane	U		0.0432	0.200	1	05/27/2022 15:57	WG1870493
Chloroform	U		0.0166	0.100	1	05/27/2022 15:57	WG1870493
Chloromethane	U		0.0556	0.500	1	05/27/2022 15:57	WG1870493
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 15:57	WG1870493
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 15:57	WG1870493
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/27/2022 15:57	WG1870493
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 15:57	WG1870493
Dibromomethane	U		0.0400	0.200	1	05/27/2022 15:57	WG1870493
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 15:57	WG1870493
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 15:57	WG1870493
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 15:57	WG1870493
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 15:57	WG1870493
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2022 15:57	WG1870493
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 15:57	WG1870493
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2022 15:57	WG1870493
cis-1,2-Dichloroethene	5.13		0.0276	0.100	1	05/27/2022 15:57	WG1870493
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2022 15:57	WG1870493
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 15:57	WG1870493
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 15:57	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 15:57	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 15:57	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 15:57	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 15:57	WG1870493
Di-isopropyl ether	0.0470		0.0140	0.0400	1	05/27/2022 15:57	WG1870493
Ethylbenzene	U		0.0212	0.100	1	05/27/2022 15:57	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 15:57	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 15:57	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 15:57	WG1870493
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/27/2022 15:57	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 15:57	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 15:57	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 15:57	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 15:57	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 15:57	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 15:57	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 15:57	WG1870493
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2022 15:57	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 15:57	WG1870493
Tetrachloroethene	U		0.0280	0.100	1	05/27/2022 15:57	WG1870493
Toluene	U		0.0500	0.200	1	05/27/2022 15:57	WG1870493
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/27/2022 15:57	WG1870493
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/27/2022 15:57	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 15:57	WG1870493

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 15:57	WG1870493
Trichloroethene	U		0.0160	0.0400	1	05/27/2022 15:57	WG1870493
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 15:57	WG1870493
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 15:57	WG1870493
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2022 15:57	WG1870493
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 15:57	WG1870493
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 15:57	WG1870493
Vinyl chloride	10.2		0.0273	0.100	1	05/27/2022 15:57	WG1870493
Xylenes, Total	U		0.191	0.260	1	05/27/2022 15:57	WG1870493
Ethyl Ether	U		0.0170	0.100	1	05/27/2022 15:57	WG1870493
Tetrahydrofuran	U	<u>C3</u>	0.0900	0.500	1	05/27/2022 15:57	WG1870493
Iodomethane	U		0.242	0.500	1	05/27/2022 15:57	WG1870493
Allyl chloride	U		0.580	1.00	1	05/27/2022 15:57	WG1870493
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.0560	0.200	1	05/27/2022 15:57	WG1870493
(S) Toluene-d8	101			75.0-131		05/27/2022 15:57	WG1870493
(S) 4-Bromofluorobenzene	101			67.0-138		05/27/2022 15:57	WG1870493
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/27/2022 15:57	WG1870493

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
Acetone	U	C3	0.548	1.00	1	05/27/2022 16:16	WG1870493
Acrylonitrile	U	C3	0.0760	0.500	1	05/27/2022 16:16	WG1870493
Benzene	0.0290	J	0.0160	0.0400	1	05/27/2022 16:16	WG1870493
Bromobenzene	U		0.0420	0.500	1	05/27/2022 16:16	WG1870493
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 16:16	WG1870493
Bromoform	U		0.239	1.00	1	05/27/2022 16:16	WG1870493
Bromomethane	U	C3	0.148	0.500	1	05/27/2022 16:16	WG1870493
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 16:16	WG1870493
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 16:16	WG1870493
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 16:16	WG1870493
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 16:16	WG1870493
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 16:16	WG1870493
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 16:16	WG1870493
Chloroethane	U		0.0432	0.200	1	05/27/2022 16:16	WG1870493
Chloroform	U		0.0166	0.100	1	05/27/2022 16:16	WG1870493
Chloromethane	U		0.0556	0.500	1	05/27/2022 16:16	WG1870493
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 16:16	WG1870493
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 16:16	WG1870493
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/27/2022 16:16	WG1870493
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 16:16	WG1870493
Dibromomethane	U		0.0400	0.200	1	05/27/2022 16:16	WG1870493
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 16:16	WG1870493
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 16:16	WG1870493
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 16:16	WG1870493
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 16:16	WG1870493
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2022 16:16	WG1870493
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 16:16	WG1870493
1,1-Dichloroethene	3.21		0.0200	0.100	1	05/27/2022 16:16	WG1870493
cis-1,2-Dichloroethene	800		1.38	5.00	50	05/29/2022 17:31	WG1871367
trans-1,2-Dichloroethene	3.08		0.0572	0.200	1	05/27/2022 16:16	WG1870493
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 16:16	WG1870493
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 16:16	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 16:16	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 16:16	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 16:16	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 16:16	WG1870493
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2022 16:16	WG1870493
Ethylbenzene	U		0.0212	0.100	1	05/27/2022 16:16	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 16:16	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 16:16	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 16:16	WG1870493
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/27/2022 16:16	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 16:16	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 16:16	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 16:16	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 16:16	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 16:16	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 16:16	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 16:16	WG1870493
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2022 16:16	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 16:16	WG1870493
Tetrachloroethene	7.78		0.0280	0.100	1	05/27/2022 16:16	WG1870493
Toluene	U		0.0500	0.200	1	05/27/2022 16:16	WG1870493
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/27/2022 16:16	WG1870493
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/27/2022 16:16	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 16:16	WG1870493

- 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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 16:16	WG1870493
Trichloroethene	63.1		0.0160	0.0400	1	05/27/2022 16:16	WG1870493
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 16:16	WG1870493
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 16:16	WG1870493
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2022 16:16	WG1870493
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 16:16	WG1870493
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 16:16	WG1870493
Vinyl chloride	49.1		0.0273	0.100	1	05/27/2022 16:16	WG1870493
Xylenes, Total	U		0.191	0.260	1	05/27/2022 16:16	WG1870493
Ethyl Ether	U		0.0170	0.100	1	05/27/2022 16:16	WG1870493
Tetrahydrofuran	0.212	C3 J	0.0900	0.500	1	05/27/2022 16:16	WG1870493
Iodomethane	U		0.242	0.500	1	05/27/2022 16:16	WG1870493
Allyl chloride	U		0.580	1.00	1	05/27/2022 16:16	WG1870493
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/27/2022 16:16	WG1870493
(S) Toluene-d8	101			75.0-131		05/27/2022 16:16	WG1870493
(S) Toluene-d8	104			75.0-131		05/29/2022 17:31	WG1871367
(S) 4-Bromofluorobenzene	102			67.0-138		05/27/2022 16:16	WG1870493
(S) 4-Bromofluorobenzene	106			67.0-138		05/29/2022 17:31	WG1871367
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/27/2022 16:16	WG1870493
(S) 1,2-Dichloroethane-d4	91.7			70.0-130		05/29/2022 17:31	WG1871367

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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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	74300		594	5000	1	06/09/2022 22:19	WG1876152

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)	2530	<u>B</u>	102	1000	1	06/09/2022 07:49	WG1876276

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2340		28.1	100	1	05/29/2022 19:36	WG1869882
Manganese	2850		0.704	5.00	1	05/29/2022 19:36	WG1869882

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6540		2.87	6.78	10	05/28/2022 14:47	WG1870840
Ethane	5.88		0.296	1.29	1	05/27/2022 14:27	WG1869270
Ethene	U		0.422	1.27	1	05/27/2022 14:27	WG1869270

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	<u>C3</u>	13.7	25.0	25	05/27/2022 18:10	WG1870493
Acrylonitrile	U	<u>C3</u>	1.90	12.5	25	05/27/2022 18:10	WG1870493
Benzene	U		0.400	1.00	25	05/27/2022 18:10	WG1870493
Bromobenzene	U		1.05	12.5	25	05/27/2022 18:10	WG1870493
Bromodichloromethane	U		0.788	2.50	25	05/27/2022 18:10	WG1870493
Bromoform	U		5.98	25.0	25	05/27/2022 18:10	WG1870493
Bromomethane	U	<u>C3</u>	3.70	12.5	25	05/27/2022 18:10	WG1870493
n-Butylbenzene	U		3.83	12.5	25	05/27/2022 18:10	WG1870493
sec-Butylbenzene	U		2.53	12.5	25	05/27/2022 18:10	WG1870493
tert-Butylbenzene	U		1.55	5.00	25	05/27/2022 18:10	WG1870493
Carbon tetrachloride	U		1.08	5.00	25	05/27/2022 18:10	WG1870493
Chlorobenzene	U		0.573	2.50	25	05/27/2022 18:10	WG1870493
Chlorodibromomethane	U		0.450	2.50	25	05/27/2022 18:10	WG1870493
Chloroethane	U		1.08	5.00	25	05/27/2022 18:10	WG1870493
Chloroform	U		0.415	2.50	25	05/27/2022 18:10	WG1870493
Chloromethane	U		1.39	12.5	25	05/27/2022 18:10	WG1870493
2-Chlorotoluene	U		0.920	2.50	25	05/27/2022 18:10	WG1870493
4-Chlorotoluene	U		1.13	5.00	25	05/27/2022 18:10	WG1870493
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	5.10	25.0	25	05/27/2022 18:10	WG1870493
1,2-Dibromoethane	U		0.525	2.50	25	05/27/2022 18:10	WG1870493
Dibromomethane	U		1.00	5.00	25	05/27/2022 18:10	WG1870493
1,2-Dichlorobenzene	U		1.45	5.00	25	05/27/2022 18:10	WG1870493
1,3-Dichlorobenzene	U		1.70	5.00	25	05/27/2022 18:10	WG1870493
1,4-Dichlorobenzene	U		1.97	5.00	25	05/27/2022 18:10	WG1870493
Dichlorodifluoromethane	U		0.818	2.50	25	05/27/2022 18:10	WG1870493
1,1-Dichloroethane	U		0.575	2.50	25	05/27/2022 18:10	WG1870493
1,2-Dichloroethane	U		0.475	2.50	25	05/27/2022 18:10	WG1870493
1,1-Dichloroethene	3.58		0.500	2.50	25	05/27/2022 18:10	WG1870493
cis-1,2-Dichloroethene	311		0.690	2.50	25	05/27/2022 18:10	WG1870493
trans-1,2-Dichloroethene	2.13	<u>J</u>	1.43	5.00	25	05/27/2022 18:10	WG1870493
1,2-Dichloropropane	U		1.27	5.00	25	05/27/2022 18:10	WG1870493

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
1,1-Dichloropropene	U		0.700	2.50	25	05/27/2022 18:10	WG1870493
1,3-Dichloropropane	U		1.75	5.00	25	05/27/2022 18:10	WG1870493
cis-1,3-Dichloropropene	U		0.678	2.50	25	05/27/2022 18:10	WG1870493
trans-1,3-Dichloropropene	U		1.53	5.00	25	05/27/2022 18:10	WG1870493
2,2-Dichloropropane	U		0.793	2.50	25	05/27/2022 18:10	WG1870493
Di-isopropyl ether	U		0.350	1.00	25	05/27/2022 18:10	WG1870493
Ethylbenzene	U		0.530	2.50	25	05/27/2022 18:10	WG1870493
Hexachloro-1,3-butadiene	U		12.7	25.0	25	05/27/2022 18:10	WG1870493
Isopropylbenzene	U		0.863	2.50	25	05/27/2022 18:10	WG1870493
p-Isopropyltoluene	U		2.33	5.00	25	05/27/2022 18:10	WG1870493
2-Butanone (MEK)	U	C3	12.5	25.0	25	05/27/2022 18:10	WG1870493
Methylene Chloride	U		6.63	25.0	25	05/27/2022 18:10	WG1870493
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	05/27/2022 18:10	WG1870493
Methyl tert-butyl ether	U		0.295	1.00	25	05/27/2022 18:10	WG1870493
Naphthalene	U		3.10	12.5	25	05/27/2022 18:10	WG1870493
n-Propylbenzene	U		1.18	5.00	25	05/27/2022 18:10	WG1870493
Styrene	U		2.73	12.5	25	05/27/2022 18:10	WG1870493
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	05/27/2022 18:10	WG1870493
1,1,2,2-Tetrachloroethane	U	C3	0.390	2.50	25	05/27/2022 18:10	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	05/27/2022 18:10	WG1870493
Tetrachloroethene	432		0.700	2.50	25	05/27/2022 18:10	WG1870493
Toluene	U		1.25	5.00	25	05/27/2022 18:10	WG1870493
1,2,3-Trichlorobenzene	U	C4	0.625	12.5	25	05/27/2022 18:10	WG1870493
1,2,4-Trichlorobenzene	U	C4	4.83	12.5	25	05/27/2022 18:10	WG1870493
1,1,1-Trichloroethane	U		0.275	2.50	25	05/27/2022 18:10	WG1870493
1,1,2-Trichloroethane	U		0.883	2.50	25	05/27/2022 18:10	WG1870493
Trichloroethene	249		0.400	1.00	25	05/27/2022 18:10	WG1870493
Trichlorofluoromethane	U		0.500	2.50	25	05/27/2022 18:10	WG1870493
1,2,3-Trichloropropane	U		5.10	12.5	25	05/27/2022 18:10	WG1870493
1,2,4-Trimethylbenzene	U		1.16	5.00	25	05/27/2022 18:10	WG1870493
1,2,3-Trimethylbenzene	U		1.15	5.00	25	05/27/2022 18:10	WG1870493
1,3,5-Trimethylbenzene	U		1.08	5.00	25	05/27/2022 18:10	WG1870493
Vinyl chloride	U		0.682	2.50	25	05/27/2022 18:10	WG1870493
Xylenes, Total	U		4.78	6.50	25	05/27/2022 18:10	WG1870493
Ethyl Ether	U		0.425	2.50	25	05/27/2022 18:10	WG1870493
Tetrahydrofuran	U	C3	2.25	12.5	25	05/27/2022 18:10	WG1870493
Iodomethane	U		6.05	12.5	25	05/27/2022 18:10	WG1870493
Allyl chloride	U		14.5	25.0	25	05/27/2022 18:10	WG1870493
Trans-1,4-Dichloro-2-butene	U	C3	1.40	5.00	25	05/27/2022 18:10	WG1870493
(S) Toluene-d8	102			75.0-131		05/27/2022 18:10	WG1870493
(S) 4-Bromofluorobenzene	103			67.0-138		05/27/2022 18:10	WG1870493
(S) 1,2-Dichloroethane-d4	107			70.0-130		05/27/2022 18:10	WG1870493

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
Acetone	U	C3	0.548	1.00	1	05/27/2022 16:35	WG1870493
Acrylonitrile	U	C3	0.0760	0.500	1	05/27/2022 16:35	WG1870493
Benzene	U		0.0160	0.0400	1	05/27/2022 16:35	WG1870493
Bromobenzene	U		0.0420	0.500	1	05/27/2022 16:35	WG1870493
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 16:35	WG1870493
Bromoform	U		0.239	1.00	1	05/27/2022 16:35	WG1870493
Bromomethane	U	C3	0.148	0.500	1	05/27/2022 16:35	WG1870493
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 16:35	WG1870493
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 16:35	WG1870493
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 16:35	WG1870493
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 16:35	WG1870493
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 16:35	WG1870493
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 16:35	WG1870493
Chloroethane	U		0.0432	0.200	1	05/27/2022 16:35	WG1870493
Chloroform	U		0.0166	0.100	1	05/27/2022 16:35	WG1870493
Chloromethane	U		0.0556	0.500	1	05/27/2022 16:35	WG1870493
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 16:35	WG1870493
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 16:35	WG1870493
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/27/2022 16:35	WG1870493
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 16:35	WG1870493
Dibromomethane	U		0.0400	0.200	1	05/27/2022 16:35	WG1870493
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 16:35	WG1870493
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 16:35	WG1870493
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 16:35	WG1870493
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 16:35	WG1870493
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2022 16:35	WG1870493
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 16:35	WG1870493
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2022 16:35	WG1870493
cis-1,2-Dichloroethene	7.25		0.0276	0.100	1	05/29/2022 16:53	WG1871367
trans-1,2-Dichloroethene	0.0800	J	0.0572	0.200	1	05/27/2022 16:35	WG1870493
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 16:35	WG1870493
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 16:35	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 16:35	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 16:35	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 16:35	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 16:35	WG1870493
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2022 16:35	WG1870493
Ethylbenzene	0.0870	J	0.0212	0.100	1	05/27/2022 16:35	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 16:35	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 16:35	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 16:35	WG1870493
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/27/2022 16:35	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 16:35	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 16:35	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 16:35	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 16:35	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 16:35	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 16:35	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 16:35	WG1870493
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2022 16:35	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 16:35	WG1870493
Tetrachloroethene	U		0.0280	0.100	1	05/27/2022 16:35	WG1870493
Toluene	0.436		0.0500	0.200	1	05/27/2022 16:35	WG1870493
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/27/2022 16:35	WG1870493
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/27/2022 16:35	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 16:35	WG1870493

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Cp

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Sr

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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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 16:35	WG1870493
Trichloroethene	0.0250	<u>J</u>	0.0160	0.0400	1	05/27/2022 16:35	WG1870493
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 16:35	WG1870493
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 16:35	WG1870493
1,2,4-Trimethylbenzene	0.146	<u>J</u>	0.0464	0.200	1	05/27/2022 16:35	WG1870493
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 16:35	WG1870493
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 16:35	WG1870493
Vinyl chloride	0.488		0.0273	0.100	1	05/27/2022 16:35	WG1870493
Xylenes, Total	0.567		0.191	0.260	1	05/27/2022 16:35	WG1870493
Ethyl Ether	U		0.0170	0.100	1	05/27/2022 16:35	WG1870493
Tetrahydrofuran	U	<u>C3</u>	0.0900	0.500	1	05/27/2022 16:35	WG1870493
Iodomethane	U		0.242	0.500	1	05/27/2022 16:35	WG1870493
Allyl chloride	U		0.580	1.00	1	05/27/2022 16:35	WG1870493
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.0560	0.200	1	05/27/2022 16:35	WG1870493
(S) Toluene-d8	101			75.0-131		05/27/2022 16:35	WG1870493
(S) Toluene-d8	102			75.0-131		05/29/2022 16:53	WG1871367
(S) 4-Bromofluorobenzene	101			67.0-138		05/27/2022 16:35	WG1870493
(S) 4-Bromofluorobenzene	110			67.0-138		05/29/2022 16:53	WG1871367
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/27/2022 16:35	WG1870493
(S) 1,2-Dichloroethane-d4	95.6			70.0-130		05/29/2022 16:53	WG1871367

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	06/09/2022 22:31	WG1876152

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)	578	<u>B</u>	102	1000	1	06/09/2022 08:15	WG1876276

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	05/29/2022 19:48	WG1869882
Manganese	1.07	<u>J</u>	0.704	5.00	1	05/29/2022 19:48	WG1869882

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3.28		0.287	0.678	1	05/27/2022 14:31	WG1869270
Ethane	U	<u>P1</u>	0.296	1.29	1	05/27/2022 14:31	WG1869270
Ethene	U		0.422	1.27	1	05/27/2022 14:31	WG1869270

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	2.83	<u>C3</u>	0.548	1.00	1	05/27/2022 16:54	WG1870493
Acrylonitrile	U	<u>C3</u>	0.0760	0.500	1	05/27/2022 16:54	WG1870493
Benzene	U		0.0160	0.0400	1	05/27/2022 16:54	WG1870493
Bromobenzene	U		0.0420	0.500	1	05/27/2022 16:54	WG1870493
Bromodichloromethane	0.131		0.0315	0.100	1	05/27/2022 16:54	WG1870493
Bromoform	U		0.239	1.00	1	05/27/2022 16:54	WG1870493
Bromomethane	U	<u>C3</u>	0.148	0.500	1	05/27/2022 16:54	WG1870493
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 16:54	WG1870493
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 16:54	WG1870493
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 16:54	WG1870493
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 16:54	WG1870493
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 16:54	WG1870493
Chlorodibromomethane	0.0750	<u>J</u>	0.0180	0.100	1	05/27/2022 16:54	WG1870493
Chloroethane	U		0.0432	0.200	1	05/27/2022 16:54	WG1870493
Chloroform	0.103		0.0166	0.100	1	05/27/2022 16:54	WG1870493
Chloromethane	U		0.0556	0.500	1	05/27/2022 16:54	WG1870493
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 16:54	WG1870493
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 16:54	WG1870493
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	05/27/2022 16:54	WG1870493
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 16:54	WG1870493
Dibromomethane	U		0.0400	0.200	1	05/27/2022 16:54	WG1870493
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 16:54	WG1870493
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 16:54	WG1870493
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 16:54	WG1870493
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 16:54	WG1870493
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2022 16:54	WG1870493
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 16:54	WG1870493
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2022 16:54	WG1870493
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/29/2022 17:12	WG1871367
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2022 16:54	WG1870493
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 16:54	WG1870493

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
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 16:54	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 16:54	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 16:54	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 16:54	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 16:54	WG1870493
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2022 16:54	WG1870493
Ethylbenzene	U		0.0212	0.100	1	05/27/2022 16:54	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 16:54	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 16:54	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 16:54	WG1870493
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/27/2022 16:54	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 16:54	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 16:54	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 16:54	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 16:54	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 16:54	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 16:54	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 16:54	WG1870493
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2022 16:54	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 16:54	WG1870493
Tetrachloroethene	U		0.0280	0.100	1	05/27/2022 16:54	WG1870493
Toluene	U		0.0500	0.200	1	05/27/2022 16:54	WG1870493
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/27/2022 16:54	WG1870493
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/27/2022 16:54	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 16:54	WG1870493
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 16:54	WG1870493
Trichloroethene	U		0.0160	0.0400	1	05/27/2022 16:54	WG1870493
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 16:54	WG1870493
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 16:54	WG1870493
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2022 16:54	WG1870493
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 16:54	WG1870493
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 16:54	WG1870493
Vinyl chloride	U		0.0273	0.100	1	05/27/2022 16:54	WG1870493
Xylenes, Total	U		0.191	0.260	1	05/27/2022 16:54	WG1870493
Ethyl Ether	U		0.0170	0.100	1	05/27/2022 16:54	WG1870493
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/27/2022 16:54	WG1870493
Iodomethane	U		0.242	0.500	1	05/27/2022 16:54	WG1870493
Allyl chloride	U		0.580	1.00	1	05/27/2022 16:54	WG1870493
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/27/2022 16:54	WG1870493
(S) Toluene-d8	102			75.0-131		05/27/2022 16:54	WG1870493
(S) Toluene-d8	104			75.0-131		05/29/2022 17:12	WG1871367
(S) 4-Bromofluorobenzene	102			67.0-138		05/27/2022 16:54	WG1870493
(S) 4-Bromofluorobenzene	103			67.0-138		05/29/2022 17:12	WG1871367
(S) 1,2-Dichloroethane-d4	104			70.0-130		05/27/2022 16:54	WG1870493
(S) 1,2-Dichloroethane-d4	93.6			70.0-130		05/29/2022 17:12	WG1871367

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	9900		594	5000	1	06/09/2022 22:44	WG1876152

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)	1110	<u>B</u>	102	1000	1	06/09/2022 08:27	WG1876276

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	646		28.1	100	1	05/29/2022 19:51	WG1869882
Manganese	172		0.704	5.00	1	05/29/2022 19:51	WG1869882

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	129		0.287	0.678	1	05/27/2022 15:40	WG1869273
Ethane	10.2		0.296	1.29	1	05/27/2022 15:40	WG1869273
Ethene	2.35		0.422	1.27	1	05/27/2022 15:40	WG1869273

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	3.68	<u>C3</u>	0.548	1.00	1	05/27/2022 17:13	WG1870493
Acrylonitrile	U	<u>C3</u>	0.0760	0.500	1	05/27/2022 17:13	WG1870493
Benzene	U		0.0160	0.0400	1	05/27/2022 17:13	WG1870493
Bromobenzene	U		0.0420	0.500	1	05/27/2022 17:13	WG1870493
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 17:13	WG1870493
Bromoform	U		0.239	1.00	1	05/27/2022 17:13	WG1870493
Bromomethane	U	<u>C3</u>	0.148	0.500	1	05/27/2022 17:13	WG1870493
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 17:13	WG1870493
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 17:13	WG1870493
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 17:13	WG1870493
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 17:13	WG1870493
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 17:13	WG1870493
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 17:13	WG1870493
Chloroethane	0.184	<u>J</u>	0.0432	0.200	1	05/27/2022 17:13	WG1870493
Chloroform	U		0.0166	0.100	1	05/27/2022 17:13	WG1870493
Chloromethane	U		0.0556	0.500	1	05/27/2022 17:13	WG1870493
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 17:13	WG1870493
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 17:13	WG1870493
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	05/27/2022 17:13	WG1870493
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 17:13	WG1870493
Dibromomethane	U		0.0400	0.200	1	05/27/2022 17:13	WG1870493
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 17:13	WG1870493
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 17:13	WG1870493
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 17:13	WG1870493
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 17:13	WG1870493
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2022 17:13	WG1870493
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 17:13	WG1870493
1,1-Dichloroethene	0.0760	<u>J</u>	0.0200	0.100	1	05/27/2022 17:13	WG1870493
cis-1,2-Dichloroethene	0.917		0.0276	0.100	1	05/27/2022 17:13	WG1870493
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2022 17:13	WG1870493
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 17:13	WG1870493

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
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 17:13	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 17:13	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 17:13	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 17:13	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 17:13	WG1870493
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2022 17:13	WG1870493
Ethylbenzene	U		0.0212	0.100	1	05/27/2022 17:13	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 17:13	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 17:13	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 17:13	WG1870493
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/27/2022 17:13	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 17:13	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 17:13	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 17:13	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 17:13	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 17:13	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 17:13	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 17:13	WG1870493
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2022 17:13	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 17:13	WG1870493
Tetrachloroethene	0.0480	U	0.0280	0.100	1	05/27/2022 17:13	WG1870493
Toluene	0.0520	U	0.0500	0.200	1	05/27/2022 17:13	WG1870493
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/27/2022 17:13	WG1870493
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/27/2022 17:13	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 17:13	WG1870493
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 17:13	WG1870493
Trichloroethene	0.0570		0.0160	0.0400	1	05/27/2022 17:13	WG1870493
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 17:13	WG1870493
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 17:13	WG1870493
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2022 17:13	WG1870493
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 17:13	WG1870493
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 17:13	WG1870493
Vinyl chloride	6.52		0.0273	0.100	1	05/27/2022 17:13	WG1870493
Xylenes, Total	U		0.191	0.260	1	05/27/2022 17:13	WG1870493
Ethyl Ether	U		0.0170	0.100	1	05/27/2022 17:13	WG1870493
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/27/2022 17:13	WG1870493
Iodomethane	U		0.242	0.500	1	05/27/2022 17:13	WG1870493
Allyl chloride	U		0.580	1.00	1	05/27/2022 17:13	WG1870493
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/27/2022 17:13	WG1870493
(S) Toluene-d8	102			75.0-131		05/27/2022 17:13	WG1870493
(S) 4-Bromofluorobenzene	102			67.0-138		05/27/2022 17:13	WG1870493
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/27/2022 17:13	WG1870493

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	26100		594	5000	1	06/12/2022 21:01	WG1878336

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)	4570		102	1000	1	06/09/2022 08:41	WG1876276

Metals (ICPMS) by Method 6020B

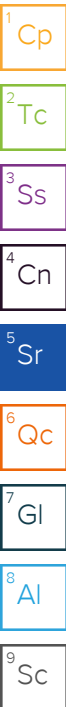
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	14600		28.1	100	1	05/29/2022 19:55	WG1869882
Manganese	1470		0.704	5.00	1	05/29/2022 19:55	WG1869882

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1970		0.287	0.678	1	05/27/2022 15:47	WG1869273
Ethane	19.7		0.296	1.29	1	05/27/2022 15:47	WG1869273
Ethene	4.98		0.422	1.27	1	05/27/2022 15:47	WG1869273

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	1.50	C3	0.548	1.00	1	05/27/2022 18:30	WG1870493
Acrylonitrile	U	C3	0.0760	0.500	1	05/27/2022 18:30	WG1870493
Benzene	2.75		0.0160	0.0400	1	05/27/2022 18:30	WG1870493
Bromobenzene	U		0.0420	0.500	1	05/27/2022 18:30	WG1870493
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 18:30	WG1870493
Bromoform	U		0.239	1.00	1	05/27/2022 18:30	WG1870493
Bromomethane	U	C3	0.148	0.500	1	05/27/2022 18:30	WG1870493
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 18:30	WG1870493
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 18:30	WG1870493
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 18:30	WG1870493
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 18:30	WG1870493
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 18:30	WG1870493
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 18:30	WG1870493
Chloroethane	U		0.0432	0.200	1	05/27/2022 18:30	WG1870493
Chloroform	U		0.0166	0.100	1	05/27/2022 18:30	WG1870493
Chloromethane	U		0.0556	0.500	1	05/27/2022 18:30	WG1870493
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 18:30	WG1870493
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 18:30	WG1870493
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/27/2022 18:30	WG1870493
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 18:30	WG1870493
Dibromomethane	U		0.0400	0.200	1	05/27/2022 18:30	WG1870493
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 18:30	WG1870493
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 18:30	WG1870493
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 18:30	WG1870493
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 18:30	WG1870493
1,1-Dichloroethane	0.0750	J	0.0230	0.100	1	05/27/2022 18:30	WG1870493
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 18:30	WG1870493
1,1-Dichloroethene	1.62		0.0200	0.100	1	05/27/2022 18:30	WG1870493
cis-1,2-Dichloroethene	660		1.38	5.00	50	05/29/2022 17:50	WG1871367
trans-1,2-Dichloroethene	3.55		0.0572	0.200	1	05/27/2022 18:30	WG1870493
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 18:30	WG1870493



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	05/27/2022 18:30	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 18:30	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 18:30	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 18:30	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 18:30	WG1870493
Di-isopropyl ether	0.0490		0.0140	0.0400	1	05/27/2022 18:30	WG1870493
Ethylbenzene	U		0.0212	0.100	1	05/27/2022 18:30	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 18:30	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 18:30	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 18:30	WG1870493
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/27/2022 18:30	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 18:30	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 18:30	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 18:30	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 18:30	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 18:30	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 18:30	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 18:30	WG1870493
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2022 18:30	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 18:30	WG1870493
Tetrachloroethene	77.8		0.0280	0.100	1	05/27/2022 18:30	WG1870493
Toluene	0.188	U	0.0500	0.200	1	05/27/2022 18:30	WG1870493
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/27/2022 18:30	WG1870493
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/27/2022 18:30	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 18:30	WG1870493
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 18:30	WG1870493
Trichloroethene	49.2		0.0160	0.0400	1	05/27/2022 18:30	WG1870493
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 18:30	WG1870493
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 18:30	WG1870493
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2022 18:30	WG1870493
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 18:30	WG1870493
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 18:30	WG1870493
Vinyl chloride	90.9		1.36	5.00	50	05/29/2022 17:50	WG1871367
Xylenes, Total	U		0.191	0.260	1	05/27/2022 18:30	WG1870493
Ethyl Ether	0.276		0.0170	0.100	1	05/27/2022 18:30	WG1870493
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/27/2022 18:30	WG1870493
Iodomethane	U		0.242	0.500	1	05/27/2022 18:30	WG1870493
Allyl chloride	U		0.580	1.00	1	05/27/2022 18:30	WG1870493
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/27/2022 18:30	WG1870493
(S) Toluene-d8	101			75.0-131		05/27/2022 18:30	WG1870493
(S) Toluene-d8	103			75.0-131		05/29/2022 17:50	WG1871367
(S) 4-Bromofluorobenzene	100			67.0-138		05/27/2022 18:30	WG1870493
(S) 4-Bromofluorobenzene	103			67.0-138		05/29/2022 17:50	WG1871367
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/27/2022 18:30	WG1870493
(S) 1,2-Dichloroethane-d4	94.9			70.0-130		05/29/2022 17:50	WG1871367

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	1.03	C3	0.548	1.00	1	05/27/2022 17:32	WG1870493
Acrylonitrile	U	C3	0.0760	0.500	1	05/27/2022 17:32	WG1870493
Benzene	U		0.0160	0.0400	1	05/27/2022 17:32	WG1870493
Bromobenzene	U		0.0420	0.500	1	05/27/2022 17:32	WG1870493
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 17:32	WG1870493
Bromoform	U		0.239	1.00	1	05/27/2022 17:32	WG1870493
Bromomethane	U	C3	0.148	0.500	1	05/27/2022 17:32	WG1870493
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 17:32	WG1870493
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 17:32	WG1870493
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 17:32	WG1870493
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 17:32	WG1870493
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 17:32	WG1870493
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 17:32	WG1870493
Chloroethane	U		0.0432	0.200	1	05/27/2022 17:32	WG1870493
Chloroform	U		0.0166	0.100	1	05/27/2022 17:32	WG1870493
Chloromethane	U		0.0556	0.500	1	05/27/2022 17:32	WG1870493
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 17:32	WG1870493
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 17:32	WG1870493
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/27/2022 17:32	WG1870493
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 17:32	WG1870493
Dibromomethane	U		0.0400	0.200	1	05/27/2022 17:32	WG1870493
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 17:32	WG1870493
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 17:32	WG1870493
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 17:32	WG1870493
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 17:32	WG1870493
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2022 17:32	WG1870493
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 17:32	WG1870493
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2022 17:32	WG1870493
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/27/2022 17:32	WG1870493
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2022 17:32	WG1870493
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 17:32	WG1870493
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 17:32	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 17:32	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 17:32	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 17:32	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 17:32	WG1870493
Di-isopropyl ether	0.0170	J	0.0140	0.0400	1	05/27/2022 17:32	WG1870493
Ethylbenzene	U		0.0212	0.100	1	05/27/2022 17:32	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 17:32	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 17:32	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 17:32	WG1870493
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/27/2022 17:32	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 17:32	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 17:32	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 17:32	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 17:32	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 17:32	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 17:32	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 17:32	WG1870493
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2022 17:32	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 17:32	WG1870493
Tetrachloroethene	U		0.0280	0.100	1	05/27/2022 17:32	WG1870493
Toluene	U		0.0500	0.200	1	05/27/2022 17:32	WG1870493
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/27/2022 17:32	WG1870493
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/27/2022 17:32	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 17:32	WG1870493

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 17:32	WG1870493
Trichloroethene	U		0.0160	0.0400	1	05/27/2022 17:32	WG1870493
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 17:32	WG1870493
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 17:32	WG1870493
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2022 17:32	WG1870493
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 17:32	WG1870493
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 17:32	WG1870493
Vinyl chloride	U		0.0273	0.100	1	05/27/2022 17:32	WG1870493
Xylenes, Total	U		0.191	0.260	1	05/27/2022 17:32	WG1870493
Ethyl Ether	U		0.0170	0.100	1	05/27/2022 17:32	WG1870493
Tetrahydrofuran	U	<u>C3</u>	0.0900	0.500	1	05/27/2022 17:32	WG1870493
Iodomethane	U		0.242	0.500	1	05/27/2022 17:32	WG1870493
Allyl chloride	U		0.580	1.00	1	05/27/2022 17:32	WG1870493
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.0560	0.200	1	05/27/2022 17:32	WG1870493
(S) Toluene-d8	99.8			75.0-131		05/27/2022 17:32	WG1870493
(S) 4-Bromofluorobenzene	100			67.0-138		05/27/2022 17:32	WG1870493
(S) 1,2-Dichloroethane-d4	98.1			70.0-130		05/27/2022 17:32	WG1870493

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
Acetone	U	<u>C3</u>	0.548	1.00	1	05/27/2022 17:51	WG1870493
Acrylonitrile	U	<u>C3</u>	0.0760	0.500	1	05/27/2022 17:51	WG1870493
Benzene	U		0.0160	0.0400	1	05/27/2022 17:51	WG1870493
Bromobenzene	U		0.0420	0.500	1	05/27/2022 17:51	WG1870493
Bromodichloromethane	U		0.0315	0.100	1	05/27/2022 17:51	WG1870493
Bromoform	U		0.239	1.00	1	05/27/2022 17:51	WG1870493
Bromomethane	U	<u>C3</u>	0.148	0.500	1	05/27/2022 17:51	WG1870493
n-Butylbenzene	U		0.153	0.500	1	05/27/2022 17:51	WG1870493
sec-Butylbenzene	U		0.101	0.500	1	05/27/2022 17:51	WG1870493
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2022 17:51	WG1870493
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2022 17:51	WG1870493
Chlorobenzene	U		0.0229	0.100	1	05/27/2022 17:51	WG1870493
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2022 17:51	WG1870493
Chloroethane	U		0.0432	0.200	1	05/27/2022 17:51	WG1870493
Chloroform	U		0.0166	0.100	1	05/27/2022 17:51	WG1870493
Chloromethane	U		0.0556	0.500	1	05/27/2022 17:51	WG1870493
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2022 17:51	WG1870493
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2022 17:51	WG1870493
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	05/27/2022 17:51	WG1870493
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2022 17:51	WG1870493
Dibromomethane	U		0.0400	0.200	1	05/27/2022 17:51	WG1870493
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2022 17:51	WG1870493
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2022 17:51	WG1870493
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2022 17:51	WG1870493
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2022 17:51	WG1870493
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2022 17:51	WG1870493
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2022 17:51	WG1870493
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2022 17:51	WG1870493
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/27/2022 17:51	WG1870493
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2022 17:51	WG1870493
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2022 17:51	WG1870493
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2022 17:51	WG1870493
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2022 17:51	WG1870493
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2022 17:51	WG1870493
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2022 17:51	WG1870493
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2022 17:51	WG1870493
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2022 17:51	WG1870493
Ethylbenzene	U		0.0212	0.100	1	05/27/2022 17:51	WG1870493
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2022 17:51	WG1870493
Isopropylbenzene	U		0.0345	0.100	1	05/27/2022 17:51	WG1870493
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2022 17:51	WG1870493
2-Butanone (MEK)	U	<u>C3</u>	0.500	1.00	1	05/27/2022 17:51	WG1870493
Methylene Chloride	U		0.265	1.00	1	05/27/2022 17:51	WG1870493
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2022 17:51	WG1870493
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2022 17:51	WG1870493
Naphthalene	U		0.124	0.500	1	05/27/2022 17:51	WG1870493
n-Propylbenzene	U		0.0472	0.200	1	05/27/2022 17:51	WG1870493
Styrene	U		0.109	0.500	1	05/27/2022 17:51	WG1870493
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2022 17:51	WG1870493
1,1,2,2-Tetrachloroethane	U	<u>C3</u>	0.0156	0.100	1	05/27/2022 17:51	WG1870493
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2022 17:51	WG1870493
Tetrachloroethene	0.0370	<u>J</u>	0.0280	0.100	1	05/27/2022 17:51	WG1870493
Toluene	U		0.0500	0.200	1	05/27/2022 17:51	WG1870493
1,2,3-Trichlorobenzene	U	<u>C4</u>	0.0250	0.500	1	05/27/2022 17:51	WG1870493
1,2,4-Trichlorobenzene	U	<u>C4</u>	0.193	0.500	1	05/27/2022 17:51	WG1870493
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2022 17:51	WG1870493

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2022 17:51	WG1870493
Trichloroethene	U		0.0160	0.0400	1	05/27/2022 17:51	WG1870493
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2022 17:51	WG1870493
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2022 17:51	WG1870493
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2022 17:51	WG1870493
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2022 17:51	WG1870493
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2022 17:51	WG1870493
Vinyl chloride	U		0.0273	0.100	1	05/27/2022 17:51	WG1870493
Xylenes, Total	U		0.191	0.260	1	05/27/2022 17:51	WG1870493
Ethyl Ether	U		0.0170	0.100	1	05/27/2022 17:51	WG1870493
Tetrahydrofuran	U	<u>C3</u>	0.0900	0.500	1	05/27/2022 17:51	WG1870493
Iodomethane	U		0.242	0.500	1	05/27/2022 17:51	WG1870493
Allyl chloride	U		0.580	1.00	1	05/27/2022 17:51	WG1870493
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.0560	0.200	1	05/27/2022 17:51	WG1870493
(S) Toluene-d8	99.7			75.0-131		05/27/2022 17:51	WG1870493
(S) 4-Bromofluorobenzene	99.7			67.0-138		05/27/2022 17:51	WG1870493
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/27/2022 17:51	WG1870493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3802427-1 06/09/22 15:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1496079-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1496079-01 06/09/22 16:56 • (DUP) R3802427-3 06/09/22 17:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	2600	2460	1	5.28	U	15

L1496081-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1496081-08 06/09/22 20:27 • (DUP) R3802427-6 06/09/22 20:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	2890	2710	1	6.48	U	15

Laboratory Control Sample (LCS)

(LCS) R3802427-2 06/09/22 16:09

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	39200	98.0	80.0-120	

L1496079-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496079-01 06/09/22 16:56 • (MS) R3802427-4 06/09/22 17:20 • (MSD) R3802427-5 06/09/22 17:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	2600	51500	49000	97.9	92.8	1	80.0-120			5.02	15

L1496081-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1496081-08 06/09/22 20:27 • (MS) R3802427-7 06/09/22 20:52

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	2890	51000	96.2	1	80.0-120	

Method Blank (MB)

(MB) R3803341-1 06/12/22 18:43

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1496598-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1496598-08 06/12/22 23:13 • (DUP) R3803341-6 06/12/22 23:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	70000	71100	1	1.50		15

Laboratory Control Sample (LCS)

(LCS) R3803341-2 06/12/22 18:56

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	42800	107	80.0-120	

L1496582-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496582-03 06/12/22 19:28 • (MS) R3803341-4 06/12/22 19:54 • (MSD) R3803341-5 06/12/22 20:08

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000		52000	53000	86.6	88.5	1	80.0-120			1.82	15

L1496598-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1496598-08 06/12/22 23:13 • (MS) R3803341-7 06/12/22 23:40

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	70000	115000	90.0	1	80.0-120	E

Method Blank (MB)

(MB) R3801157-2 06/09/22 02:06

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	285	J	102	1000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1496120-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1496120-09 06/09/22 07:49 • (DUP) R3801157-7 06/09/22 08:03

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	2530	2640	1	4.53		20

L1496089-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1496089-01 06/09/22 04:02 • (DUP) R3801157-8 06/09/22 04:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	1130	922	1	20.6	J P1	20

Laboratory Control Sample (LCS)

(LCS) R3801157-1 06/09/22 01:55

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	81100	108	85.0-115	

L1495515-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1495515-09 06/09/22 02:41 • (MS) R3801157-3 06/09/22 03:04 • (MSD) R3801157-4 06/09/22 03:23

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	13900	66100	66400	104	105	1	80.0-120			0.498	20

L1496120-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496120-05 06/09/22 06:32 • (MS) R3801157-5 06/09/22 06:50 • (MSD) R3801157-6 06/09/22 07:07

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	1850	54600	54400	105	105	1	80.0-120			0.404	20

Method Blank (MB)

(MB) R3797344-1 05/29/22 19:06

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3797344-2 05/29/22 19:10

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	5020	100	80.0-120	
Manganese	50.0	50.1	100	80.0-120	

L1496120-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496120-01 05/29/22 19:13 • (MS) R3797344-4 05/29/22 19:20 • (MSD) R3797344-5 05/29/22 19:23

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	6280	11700	11300	109	101	1	75.0-125			3.67	20
Manganese	50.0	3160	3290	3250	268	189	1	75.0-125	V	V	1.21	20

Method Blank (MB)

(MB) R3796419-2 05/24/22 11:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	40.4	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	101			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3796419-1 05/24/22 10:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5740	104	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			97.5	78.0-120	

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

Method Blank (MB)

(MB) R3796983-2 05/27/22 11:40

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

L1496101-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1496101-17 05/27/22 12:29 • (DUP) R3796983-3 05/27/22 12:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	19.6	19.0	1	3.11		20
Ethane	0.378	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1496120-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1496120-11 05/27/22 14:31 • (DUP) R3796983-4 05/27/22 14:35

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	3.28	3.98	1	19.3		20
Ethane	U	0.316	1	200	J P1	20
Ethene	U	U	1	0.000		20

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

(LCS) R3796983-1 05/27/22 11:35 • (LCSD) R3796983-7 05/27/22 14:51

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	77.0	66.9	114	98.7	85.0-115			14.0	20
Ethane	129	133	117	103	90.7	85.0-115			12.8	20
Ethene	127	134	117	106	92.1	85.0-115			13.5	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1496101-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496101-19 05/27/22 12:50 • (MS) R3796983-5 05/27/22 14:45 • (MSD) R3796983-6 05/27/22 14:48

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 %
Methane	67.8	U	93.9	88.4	138	130	1	85.0-115	J5	J5	6.03	20
Ethane	129	U	129	124	100	96.1	1	85.0-115			3.95	20
Ethene	127	U	130	124	102	97.6	1	85.0-115			4.72	20

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

Method Blank (MB)

(MB) R3797065-2 05/27/22 15:14

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

L1496227-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1496227-05 05/27/22 16:07 • (DUP) R3797065-3 05/27/22 16:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	19.2	20.1	1	4.58		20
Ethane	6.31	6.25	1	0.955		20
Ethene	U	U	1	0.000		20

L1496229-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1496229-04 05/27/22 16:41 • (DUP) R3797065-4 05/27/22 16:44

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
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) R3797065-1 05/27/22 15:11 • (LCSD) R3797065-5 05/27/22 16:47

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	67.2	66.2	99.1	97.6	85.0-115			1.50	20
Ethane	129	114	114	88.4	88.4	85.0-115			0.000	20
Ethene	127	114	113	89.8	89.0	85.0-115			0.881	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3797194-2 05/28/22 14:23

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

1 Cp

2 Tc

3 Ss

L1495813-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1495813-07 05/28/22 15:21 • (DUP) R3797194-3 05/28/22 15:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	2340	2540	1	8.20		20

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R3797194-1 05/28/22 13:27

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Methane	67.8	66.4	97.9	85.0-115	

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3796461-2 05/26/22 01:00

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
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 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	0.0720	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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3796461-2 05/26/22 01:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	101			75.0-131
(S) 4-Bromofluorobenzene	104			67.0-138
(S) 1,2-Dichloroethane-d4	99.9			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3796461-1 05/26/22 00:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetone	25.0	14.2	56.8	10.0-160	
Acrylonitrile	25.0	17.2	68.8	45.0-153	
Benzene	5.00	4.39	87.8	70.0-123	
Bromobenzene	5.00	4.51	90.2	73.0-121	
Bromodichloromethane	5.00	4.65	93.0	73.0-121	
Bromoform	5.00	4.20	84.0	64.0-132	
Bromomethane	5.00	4.46	89.2	56.0-147	
n-Butylbenzene	5.00	4.59	91.8	68.0-135	
sec-Butylbenzene	5.00	4.62	92.4	74.0-130	
tert-Butylbenzene	5.00	4.25	85.0	75.0-127	
Carbon tetrachloride	5.00	4.82	96.4	66.0-128	
Chlorobenzene	5.00	4.56	91.2	76.0-128	
Chlorodibromomethane	5.00	4.38	87.6	74.0-127	
Chloroethane	5.00	5.40	108	61.0-134	
Chloroform	5.00	4.93	98.6	72.0-123	
Chloromethane	5.00	5.13	103	51.0-138	
2-Chlorotoluene	5.00	4.23	84.6	75.0-124	
4-Chlorotoluene	5.00	4.14	82.8	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	3.26	65.2	59.0-130	
1,2-Dibromoethane	5.00	4.38	87.6	74.0-128	
Dibromomethane	5.00	4.53	90.6	75.0-122	
1,2-Dichlorobenzene	5.00	4.64	92.8	76.0-124	
1,3-Dichlorobenzene	5.00	4.60	92.0	76.0-125	
1,4-Dichlorobenzene	5.00	4.47	89.4	77.0-121	
Dichlorodifluoromethane	5.00	4.52	90.4	43.0-156	
1,1-Dichloroethane	5.00	4.55	91.0	70.0-127	
1,2-Dichloroethane	5.00	4.54	90.8	65.0-131	
1,1-Dichloroethene	5.00	4.48	89.6	65.0-131	
cis-1,2-Dichloroethene	5.00	5.02	100	73.0-125	
trans-1,2-Dichloroethene	5.00	5.28	106	71.0-125	
1,2-Dichloropropane	5.00	4.27	85.4	74.0-125	
1,1-Dichloropropene	5.00	4.93	98.6	73.0-125	
1,3-Dichloropropane	5.00	4.28	85.6	80.0-125	
cis-1,3-Dichloropropene	5.00	4.50	90.0	76.0-127	
trans-1,3-Dichloropropene	5.00	4.23	84.6	73.0-127	
2,2-Dichloropropane	5.00	5.50	110	59.0-135	
Di-isopropyl ether	5.00	4.69	93.8	60.0-136	
Ethylbenzene	5.00	4.54	90.8	74.0-126	
Hexachloro-1,3-butadiene	5.00	5.91	118	57.0-150	
Isopropylbenzene	5.00	5.01	100	72.0-127	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3796461-1 05/26/22 00:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
p-Isopropyltoluene	5.00	4.37	87.4	72.0-133	
2-Butanone (MEK)	25.0	19.9	79.6	30.0-160	
Methylene Chloride	5.00	4.56	91.2	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	19.6	78.4	56.0-143	
Methyl tert-butyl ether	5.00	5.00	100	66.0-132	
Naphthalene	5.00	5.31	106	59.0-130	
n-Propylbenzene	5.00	4.44	88.8	74.0-126	
Styrene	5.00	4.41	88.2	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.75	95.0	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	3.91	78.2	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.85	97.0	61.0-139	
Tetrachloroethene	5.00	5.09	102	70.0-136	
Toluene	5.00	4.54	90.8	75.0-121	
1,2,3-Trichlorobenzene	5.00	5.73	115	59.0-139	
1,2,4-Trichlorobenzene	5.00	5.71	114	62.0-137	
1,1,1-Trichloroethane	5.00	5.59	112	69.0-126	
1,1,2-Trichloroethane	5.00	4.54	90.8	78.0-123	
Trichloroethene	5.00	5.47	109	76.0-126	
Trichlorofluoromethane	5.00	4.78	95.6	61.0-142	
1,2,3-Trichloropropane	5.00	4.04	80.8	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.54	90.8	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.38	87.6	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.38	87.6	73.0-127	
Vinyl chloride	5.00	4.68	93.6	63.0-134	
Xylenes, Total	15.0	13.2	88.0	72.0-127	
Ethyl ether	5.00	4.34	86.8	64.0-137	
Tetrahydrofuran	5.00	4.01	80.2	37.0-146	
Iodomethane	25.0	25.1	100	74.0-134	
Allyl chloride	25.0	24.3	97.2	70.0-131	
trans-1,4-Dichloro-2-butene	5.00	3.38	67.6	45.0-143	
(S) Toluene-d8			99.1	75.0-131	
(S) 4-Bromofluorobenzene			105	67.0-138	
(S) 1,2-Dichloroethane-d4			105	70.0-130	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3797225-3 05/27/22 12:08

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3797225-3 05/27/22 12:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	101			75.0-131
(S) 4-Bromofluorobenzene	102			67.0-138
(S) 1,2-Dichloroethane-d4	101			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3797225-1 05/27/22 10:52 • (LCSD) R3797225-2 05/27/22 11:11

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	14.9	14.8	59.6	59.2	10.0-160			0.673	31
Acrylonitrile	25.0	16.7	16.5	66.8	66.0	45.0-153			1.20	22
Benzene	5.00	4.65	4.52	93.0	90.4	70.0-123			2.84	20
Bromobenzene	5.00	4.75	4.67	95.0	93.4	73.0-121			1.70	20
Bromodichloromethane	5.00	4.74	4.82	94.8	96.4	73.0-121			1.67	20
Bromoform	5.00	4.18	4.06	83.6	81.2	64.0-132			2.91	20
Bromomethane	5.00	3.84	3.89	76.8	77.8	56.0-147			1.29	20
n-Butylbenzene	5.00	4.46	4.48	89.2	89.6	68.0-135			0.447	20
sec-Butylbenzene	5.00	4.65	4.66	93.0	93.2	74.0-130			0.215	20
tert-Butylbenzene	5.00	4.39	4.36	87.8	87.2	75.0-127			0.686	20
Carbon tetrachloride	5.00	4.75	4.69	95.0	93.8	66.0-128			1.27	20
Chlorobenzene	5.00	4.84	4.62	96.8	92.4	76.0-128			4.65	20
Chlorodibromomethane	5.00	4.63	4.56	92.6	91.2	74.0-127			1.52	20
Chloroethane	5.00	5.32	4.97	106	99.4	61.0-134			6.80	20
Chloroform	5.00	4.83	4.89	96.6	97.8	72.0-123			1.23	20
Chloromethane	5.00	5.20	5.06	104	101	51.0-138			2.73	20
2-Chlorotoluene	5.00	4.43	4.30	88.6	86.0	75.0-124			2.98	20
4-Chlorotoluene	5.00	4.47	4.26	89.4	85.2	75.0-124			4.81	20
1,2-Dibromo-3-Chloropropane	5.00	2.96	3.12	59.2	62.4	59.0-130			5.26	20
1,2-Dibromoethane	5.00	4.60	4.44	92.0	88.8	74.0-128			3.54	20
Dibromomethane	5.00	4.42	4.47	88.4	89.4	75.0-122			1.12	20
1,2-Dichlorobenzene	5.00	4.72	4.55	94.4	91.0	76.0-124			3.67	20
1,3-Dichlorobenzene	5.00	4.87	4.71	97.4	94.2	76.0-125			3.34	20
1,4-Dichlorobenzene	5.00	4.75	4.55	95.0	91.0	77.0-121			4.30	20
Dichlorodifluoromethane	5.00	4.29	4.11	85.8	82.2	43.0-156			4.29	20
1,1-Dichloroethane	5.00	4.71	4.67	94.2	93.4	70.0-127			0.853	20
1,2-Dichloroethane	5.00	4.70	4.88	94.0	97.6	65.0-131			3.76	20
1,1-Dichloroethene	5.00	4.71	4.66	94.2	93.2	65.0-131			1.07	20
cis-1,2-Dichloroethene	5.00	5.02	5.05	100	101	73.0-125			0.596	20
trans-1,2-Dichloroethene	5.00	5.24	5.26	105	105	71.0-125			0.381	20
1,2-Dichloropropane	5.00	4.33	4.31	86.6	86.2	74.0-125			0.463	20
1,1-Dichloropropene	5.00	5.26	5.14	105	103	73.0-125			2.31	20
1,3-Dichloropropane	5.00	4.49	4.43	89.8	88.6	80.0-125			1.35	20
cis-1,3-Dichloropropene	5.00	4.54	4.53	90.8	90.6	76.0-127			0.221	20
trans-1,3-Dichloropropene	5.00	4.50	4.46	90.0	89.2	73.0-127			0.893	20
2,2-Dichloropropane	5.00	4.91	4.91	98.2	98.2	59.0-135			0.000	20
Di-isopropyl ether	5.00	4.62	4.55	92.4	91.0	60.0-136			1.53	20
Ethylbenzene	5.00	4.63	4.56	92.6	91.2	74.0-126			1.52	20
Hexachloro-1,3-butadiene	5.00	5.35	5.09	107	102	57.0-150			4.98	20
Isopropylbenzene	5.00	5.01	4.83	100	96.6	72.0-127			3.66	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3797225-1 05/27/22 10:52 • (LCSD) R3797225-2 05/27/22 11:11

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 %
p-Isopropyltoluene	5.00	4.22	4.19	84.4	83.8	72.0-133			0.713	20
2-Butanone (MEK)	25.0	18.8	19.2	75.2	76.8	30.0-160			2.11	24
Methylene Chloride	5.00	4.52	4.33	90.4	86.6	68.0-123			4.29	20
4-Methyl-2-pentanone (MIBK)	25.0	20.6	20.2	82.4	80.8	56.0-143			1.96	20
Methyl tert-butyl ether	5.00	4.53	4.63	90.6	92.6	66.0-132			2.18	20
Naphthalene	5.00	4.07	4.08	81.4	81.6	59.0-130			0.245	20
n-Propylbenzene	5.00	4.68	4.46	93.6	89.2	74.0-126			4.81	20
Styrene	5.00	4.75	4.46	95.0	89.2	72.0-127			6.30	20
1,1,1,2-Tetrachloroethane	5.00	4.61	4.40	92.2	88.0	74.0-129			4.66	20
1,1,2,2-Tetrachloroethane	5.00	3.89	3.89	77.8	77.8	68.0-128			0.000	20
1,1,2-Trichlorotrifluoroethane	5.00	4.82	4.71	96.4	94.2	61.0-139			2.31	20
Tetrachloroethene	5.00	5.37	5.28	107	106	70.0-136			1.69	20
Toluene	5.00	4.88	4.66	97.6	93.2	75.0-121			4.61	20
1,2,3-Trichlorobenzene	5.00	4.23	4.34	84.6	86.8	59.0-139			2.57	20
1,2,4-Trichlorobenzene	5.00	5.13	5.29	103	106	62.0-137			3.07	20
1,1,1-Trichloroethane	5.00	5.33	5.25	107	105	69.0-126			1.51	20
1,1,2-Trichloroethane	5.00	4.68	4.67	93.6	93.4	78.0-123			0.214	20
Trichloroethene	5.00	5.68	5.65	114	113	76.0-126			0.530	20
Trichlorofluoromethane	5.00	4.46	4.47	89.2	89.4	61.0-142			0.224	20
1,2,3-Trichloropropane	5.00	4.17	4.16	83.4	83.2	67.0-129			0.240	20
1,2,4-Trimethylbenzene	5.00	4.51	4.41	90.2	88.2	70.0-126			2.24	20
1,2,3-Trimethylbenzene	5.00	4.23	4.13	84.6	82.6	74.0-124			2.39	20
1,3,5-Trimethylbenzene	5.00	4.33	4.35	86.6	87.0	73.0-127			0.461	20
Vinyl chloride	5.00	4.54	4.34	90.8	86.8	63.0-134			4.50	20
Xylenes, Total	15.0	14.0	13.6	93.3	90.7	72.0-127			2.90	20
Ethyl ether	5.00	4.31	4.36	86.2	87.2	64.0-137			1.15	20
Tetrahydrofuran	5.00	3.90	4.24	78.0	84.8	37.0-146			8.35	24
Iodomethane	25.0	25.1	24.6	100	98.4	74.0-134			2.01	20
Allyl chloride	25.0	24.8	24.2	99.2	96.8	70.0-131			2.45	20
trans-1,4-Dichloro-2-butene	5.00	3.73	3.72	74.6	74.4	45.0-143			0.268	20
(S) Toluene-d8				100	101	75.0-131				
(S) 4-Bromofluorobenzene				103	103	67.0-138				
(S) 1,2-Dichloroethane-d4				102	105	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3797748-3 05/29/22 15:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,2-Dichloroethene	0.0710	U	0.0276	0.100
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	96.9			75.0-131
(S) 4-Bromofluorobenzene	107			67.0-138
(S) 1,2-Dichloroethane-d4	114			70.0-130

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

(LCS) R3797748-1 05/29/22 13:47 • (LCSD) R3797748-2 05/29/22 14:44

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 %
cis-1,2-Dichloroethene	5.00	5.06	5.13	101	103	73.0-125			1.37	20
Vinyl chloride	5.00	4.62	4.51	92.4	90.2	63.0-134			2.41	20
(S) Toluene-d8				101	100	75.0-131				
(S) 4-Bromofluorobenzene				99.3	101	67.0-138				
(S) 1,2-Dichloroethane-d4				108	108	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

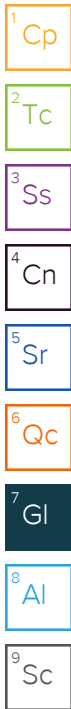
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Abbreviations and Definitions

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.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
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.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

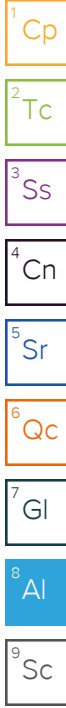
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

Analysis / Container / Preservative
 Pres Chk

Chain of Custody Page 1 of 2

 PEOPLE ADVANCING SCIENCE

Report to:
 Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5.com

Project Description:
 American Linen

City/State Collected: **Seattle WA**
 Please Circle: PT MT CT ET

Phone: **206-529-3980**

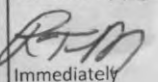
Client Project #
443018-1413001.05.60

Lab Project #
PESENVSWA-ALP

Collected by (print):
RTM KL

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):

 Immediately Packed on Ice N Y

Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day
 Date Results Needed

Quote #
 Date Results Needed
 No. of Cntrs

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/hubfs/pas-standard-terms.pdf>

SDG # **1496120**
 Tab **J055**
 Acctnum: **PESENVSWA**
 Template: **T207752**
 Prelogin: **P919175**
 PM: **546 - Jared Starkey**
 PB:
 Shipped Via:

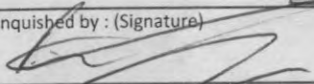
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	ALX 125mlHDPE-NoPres	CHLORIDE,NITRATE 125mlHDPE-NoPres	FEG,MNG 250mlHDPE-HNO3	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl	NWTPH - 08X
R-MW5-051722	Grab	GW		5/17/22	1040			X	X	X	X	X	X
MW105-051722				/	1304			X	X	X	X	X	
MW158A-051722				/	1525			X	X	X	X	X	
MW-302-051722				/	1100							X	
BB-8-051722				/	1310			X	X	X	X	X	
MW-343-051722				/	1440							X	
MW-342-051722				/	1511							X	
MW-314-051822				5/18/22	1053							X	
MW110-051822				/	1240			X	X	X	X	X	
MW-313-051822				/	1145							X	

Remarks	Sample # (lab only)
	-01
	-02
	-03
	-04
	-05
	-06
	-07
	-08
	-09
	-10

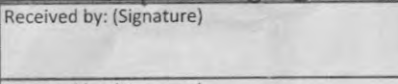
* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via:
 UPS FedEx Courier
 Tracking # **5433 8382 0163**

Sample Receipt Checklist
 COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 If Applicable
 VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)


Date: **5/18/22**
 Time:

Received by: (Signature)


Trip Blank Received: Yes No
 HCL/MeOH
 TBR

Relinquished by: (Signature)

Date:
 Time:

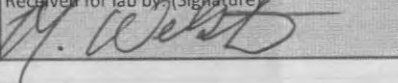
Received by: (Signature)

Temp: _____ °C
 Bottles Received: **88**
1.410=1.4

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:
 Time:

Received for lab by: (Signature)


Date: **5/19/22**
 Time: **9:30A**

Hold:
 Condition: **NCF / OK**

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 2 of 2



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/hubfs/pas-standard-terms.pdf>

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State Collected: **Seattle WA**

Please Circle:
 PT MT CT ET

Phone: **206-529-3980**

Client Project #
443018-1413001.05.60

Lab Project #
PESENVSWA-ALP

Collected by (print):
KL RTM

Site/Facility ID #

P.O. #
443018-1413001.05.601

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 ___

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260ULLC 40MIamb-HCl	FEG, MNG	RSK 175 LL	Sulphate	TOC
EQ - 051822	Grab	GW		5/18/22	1315	8	X	X	X	X	X
MW111-051822		GW		1	1027	8	X	X	X	X	X
MW108-051822		GW		1	1145	8	X	X	X	X	X
MW-310-051822		GW		1	1243	3	X				
MW-122-		GW									
MW122-051822		GW		1	1414	3	X				
		GW									

SDG # 1496120
 Table #
 Acctnum: **PESENVSWA**
 Template: **T207758**
 Prelogin: **P919183**
 PM: **546 - Jared Starkey**
 PB:
 Shipped Via:
 Remarks | Sample # (lab only)
 -11
 -12
 -13
 -14
 -15

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via:
 ___ UPS ___ FedEx ___ Courier
 Tracking # **5433 8382 0143**

Sample Receipt Checklist
 COC Seal Present/Intact: NP N
 COC Signed/Accurate: N
 Bottles arrive intact: N
 Correct bottles used: N
 Sufficient volume sent: N
 If Applicable
 VOA Zero Headspace: N
 Preservation Correct/Checked: N
 RAD Screen <0.5 mR/hr: N

Relinquished by: (Signature)

 Date: **5/18/22**

Date: _____ Time: _____

Received by: (Signature)

 Received for lab by: (Signature)

Trip Blank Received: Yes/No
 Yes No
 HCL/MeOH
 TBR
 Temp: _____ °C
 Bottles Received: **1.4+0=1.4 88**
 Date: **5/19/22** Time: **9:30A**

If preservation required by Login: Date/Time
 Hold:
 Condition:
 NCF / OK

PES Environmental, Inc.- WA

Sample Delivery Group: L1496799
Samples Received: 05/23/2022
Project Number: 443018-1413001.05.60
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:



Jared Starkey
Project Manager

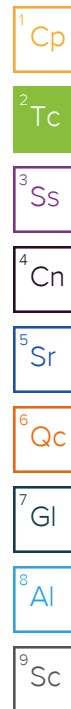
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory 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 www.pacenational.com

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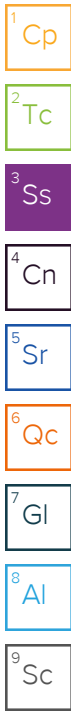


SAMPLE SUMMARY

MW125-051922 L1496799-01 GW

Collected by: Ken L
 Collected date/time: 05/19/22 08:46
 Received date/time: 05/23/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1879084	1	06/16/22 14:43	06/16/22 14:43	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1877226	1	06/10/22 18:26	06/10/22 18:26	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1873011	1	06/05/22 20:27	06/07/22 18:08	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1869862	1	05/26/22 17:55	05/26/22 17:55	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1871451	1	05/29/22 14:19	05/29/22 14:19	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1871167	1	05/28/22 13:26	05/28/22 13:26	DWR	Mt. Juliet, TN



MW121-051922 L1496799-02 GW

Collected by: Ken L
 Collected date/time: 05/19/22 10:10
 Received date/time: 05/23/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1879084	5	06/16/22 14:59	06/16/22 14:59	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1877226	1	06/10/22 18:41	06/10/22 18:41	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1873011	1	06/05/22 20:27	06/07/22 18:11	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1869862	1	05/26/22 18:15	05/26/22 18:15	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1871451	1	05/29/22 14:22	05/29/22 14:22	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1871167	1	05/28/22 13:45	05/28/22 13:45	DWR	Mt. Juliet, TN

MW-970-051922 L1496799-03 GW

Collected by: Ken L
 Collected date/time: 05/19/22 10:10
 Received date/time: 05/23/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1879084	5	06/16/22 15:15	06/16/22 15:15	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1877226	1	06/10/22 18:57	06/10/22 18:57	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1873011	1	06/05/22 20:27	06/07/22 18:15	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1869862	1	05/26/22 18:35	05/26/22 18:35	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1871451	1	05/29/22 14:26	05/29/22 14:26	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1871167	1	05/28/22 14:04	05/28/22 14:04	DWR	Mt. Juliet, TN

MW-308-051922 L1496799-04 GW

Collected by: Ken L
 Collected date/time: 05/19/22 12:00
 Received date/time: 05/23/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1871167	1	05/28/22 14:23	05/28/22 14:23	DWR	Mt. Juliet, TN

MW-309-051922 L1496799-05 GW

Collected by: Ken L
 Collected date/time: 05/19/22 12:50
 Received date/time: 05/23/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1871167	1	05/28/22 14:42	05/28/22 14:42	DWR	Mt. Juliet, TN

SCL-MW101-051922 L1496799-06 GW

Collected by: Ken L
 Collected date/time: 05/19/22 14:00
 Received date/time: 05/23/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1871167	1	05/28/22 15:01	05/28/22 15:01	DWR	Mt. Juliet, TN

SAMPLE SUMMARY

MW127-052022 L1496799-07 GW

Collected by: Ken L
 Collected date/time: 05/20/22 09:12
 Received date/time: 05/23/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1871167	1	05/28/22 16:36	05/28/22 16:36	DWR	Mt. Juliet, TN

1 Cp

2 Tc

MW126-052022 L1496799-08 GW

Collected by: Ken L
 Collected date/time: 05/20/22 10:00
 Received date/time: 05/23/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1879084	1	06/16/22 16:02	06/16/22 16:02	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1877226	1	06/10/22 19:10	06/10/22 19:10	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1873011	1	06/05/22 20:27	06/07/22 18:18	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1871451	1	05/29/22 14:29	05/29/22 14:29	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1871167	1	05/28/22 16:55	05/28/22 16:55	DWR	Mt. Juliet, TN

3 Ss

4 Cn

5 Sr

6 Qc

MW-331-052022 L1496799-09 GW

Collected by: Ken L
 Collected date/time: 05/20/22 10:53
 Received date/time: 05/23/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1871167	1	05/28/22 17:14	05/28/22 17:14	DWR	Mt. Juliet, TN

7 Gl

8 Al

9 Sc

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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1200	J	594	5000	1	06/16/2022 14:43	WG1879084

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	7310		102	1000	1	06/10/2022 18:26	WG1877226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	9440		28.1	100	1	06/07/2022 18:08	WG1873011
Manganese	3180		0.704	5.00	1	06/07/2022 18:08	WG1873011

Volatile Organic Compounds (GC) by Method NWTPHGX

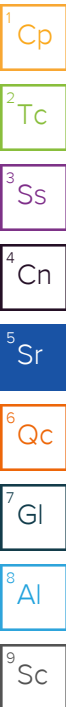
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/26/2022 17:55	WG1869862
(S) a,a,a-Trifluorotoluene(FID)	94.0			78.0-120		05/26/2022 17:55	WG1869862

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	814		0.287	0.678	1	05/29/2022 14:19	WG1871451
Ethane	0.516	J	0.296	1.29	1	05/29/2022 14:19	WG1871451
Ethene	U		0.422	1.27	1	05/29/2022 14:19	WG1871451

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.01	C3	0.548	1.00	1	05/28/2022 13:26	WG1871167
Acrylonitrile	U	C3	0.0760	0.500	1	05/28/2022 13:26	WG1871167
Benzene	U		0.0160	0.0400	1	05/28/2022 13:26	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 13:26	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 13:26	WG1871167
Bromoform	U		0.239	1.00	1	05/28/2022 13:26	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 13:26	WG1871167
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 13:26	WG1871167
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 13:26	WG1871167
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/28/2022 13:26	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 13:26	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 13:26	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 13:26	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 13:26	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 13:26	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 13:26	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 13:26	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 13:26	WG1871167
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/28/2022 13:26	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 13:26	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 13:26	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 13:26	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 13:26	WG1871167



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 13:26	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 13:26	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 13:26	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 13:26	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 13:26	WG1871167
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/28/2022 13:26	WG1871167
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 13:26	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 13:26	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 13:26	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 13:26	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 13:26	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 13:26	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 13:26	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 13:26	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 13:26	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 13:26	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 13:26	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 13:26	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 13:26	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 13:26	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 13:26	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 13:26	WG1871167
Naphthalene	U	C3	0.124	0.500	1	05/28/2022 13:26	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 13:26	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 13:26	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 13:26	WG1871167
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/28/2022 13:26	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 13:26	WG1871167
Tetrachloroethene	U		0.0280	0.100	1	05/28/2022 13:26	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 13:26	WG1871167
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/28/2022 13:26	WG1871167
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/28/2022 13:26	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 13:26	WG1871167
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 13:26	WG1871167
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 13:26	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 13:26	WG1871167
1,2,3-Trichloropropane	U	C3	0.204	0.500	1	05/28/2022 13:26	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 13:26	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 13:26	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 13:26	WG1871167
Vinyl chloride	U		0.0273	0.100	1	05/28/2022 13:26	WG1871167
Xylenes, Total	U		0.191	0.260	1	05/28/2022 13:26	WG1871167
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 13:26	WG1871167
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 13:26	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 13:26	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 13:26	WG1871167
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/28/2022 13:26	WG1871167
(S) Toluene-d8	101			75.0-131		05/28/2022 13:26	WG1871167
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2022 13:26	WG1871167
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/28/2022 13:26	WG1871167

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	298000		2970	25000	5	06/16/2022 14:59	WG1879084

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	7160		102	1000	1	06/10/2022 18:41	WG1877226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3790		28.1	100	1	06/07/2022 18:11	WG1873011
Manganese	6190		0.704	5.00	1	06/07/2022 18:11	WG1873011

Volatile Organic Compounds (GC) by Method NWTPHGX

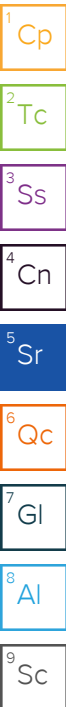
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/26/2022 18:15	WG1869862
(S) a,a,a-Trifluorotoluene(FID)	96.9			78.0-120		05/26/2022 18:15	WG1869862

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	34.6		0.287	0.678	1	05/29/2022 14:22	WG1871451
Ethane	0.420	J	0.296	1.29	1	05/29/2022 14:22	WG1871451
Ethene	U		0.422	1.27	1	05/29/2022 14:22	WG1871451

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.56	C3	0.548	1.00	1	05/28/2022 13:45	WG1871167
Acrylonitrile	U	C3	0.0760	0.500	1	05/28/2022 13:45	WG1871167
Benzene	U		0.0160	0.0400	1	05/28/2022 13:45	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 13:45	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 13:45	WG1871167
Bromoform	U		0.239	1.00	1	05/28/2022 13:45	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 13:45	WG1871167
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 13:45	WG1871167
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 13:45	WG1871167
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/28/2022 13:45	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 13:45	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 13:45	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 13:45	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 13:45	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 13:45	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 13:45	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 13:45	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 13:45	WG1871167
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/28/2022 13:45	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 13:45	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 13:45	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 13:45	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 13:45	WG1871167



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 13:45	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 13:45	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 13:45	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 13:45	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 13:45	WG1871167
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/28/2022 13:45	WG1871167
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 13:45	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 13:45	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 13:45	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 13:45	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 13:45	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 13:45	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 13:45	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 13:45	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 13:45	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 13:45	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 13:45	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 13:45	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 13:45	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 13:45	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 13:45	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 13:45	WG1871167
Naphthalene	U	C3	0.124	0.500	1	05/28/2022 13:45	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 13:45	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 13:45	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 13:45	WG1871167
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/28/2022 13:45	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 13:45	WG1871167
Tetrachloroethene	U		0.0280	0.100	1	05/28/2022 13:45	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 13:45	WG1871167
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/28/2022 13:45	WG1871167
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/28/2022 13:45	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 13:45	WG1871167
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 13:45	WG1871167
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 13:45	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 13:45	WG1871167
1,2,3-Trichloropropane	U	C3	0.204	0.500	1	05/28/2022 13:45	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 13:45	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 13:45	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 13:45	WG1871167
Vinyl chloride	0.954		0.0273	0.100	1	05/28/2022 13:45	WG1871167
Xylenes, Total	U		0.191	0.260	1	05/28/2022 13:45	WG1871167
Ethyl Ether	0.0740	J	0.0170	0.100	1	05/28/2022 13:45	WG1871167
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 13:45	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 13:45	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 13:45	WG1871167
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/28/2022 13:45	WG1871167
(S) Toluene-d8	104			75.0-131		05/28/2022 13:45	WG1871167
(S) 4-Bromofluorobenzene	104			67.0-138		05/28/2022 13:45	WG1871167
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/28/2022 13:45	WG1871167

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	Batch
Sulfate	309000		2970	25000	5	06/16/2022 15:15	WG1879084

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	7250		102	1000	1	06/10/2022 18:57	WG1877226

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	4330		28.1	100	1	06/07/2022 18:15	WG1873011
Manganese	6590		0.704	5.00	1	06/07/2022 18:15	WG1873011

Volatile Organic Compounds (GC) by Method NWTPHGX

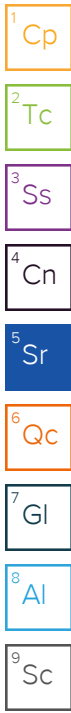
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/26/2022 18:35	WG1869862
(S) a,a,a-Trifluorotoluene(FID)	95.3			78.0-120		05/26/2022 18:35	WG1869862

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	36.5		0.287	0.678	1	05/29/2022 14:26	WG1871451
Ethane	0.297	J	0.296	1.29	1	05/29/2022 14:26	WG1871451
Ethene	U		0.422	1.27	1	05/29/2022 14:26	WG1871451

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	1.69	C3	0.548	1.00	1	05/28/2022 14:04	WG1871167
Acrylonitrile	U	C3	0.0760	0.500	1	05/28/2022 14:04	WG1871167
Benzene	U		0.0160	0.0400	1	05/28/2022 14:04	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 14:04	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 14:04	WG1871167
Bromoform	U		0.239	1.00	1	05/28/2022 14:04	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 14:04	WG1871167
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 14:04	WG1871167
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 14:04	WG1871167
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/28/2022 14:04	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 14:04	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 14:04	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 14:04	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 14:04	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 14:04	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 14:04	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 14:04	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 14:04	WG1871167
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/28/2022 14:04	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 14:04	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 14:04	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 14:04	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 14:04	WG1871167



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 14:04	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 14:04	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 14:04	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 14:04	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 14:04	WG1871167
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/28/2022 14:04	WG1871167
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 14:04	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 14:04	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 14:04	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 14:04	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 14:04	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 14:04	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 14:04	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 14:04	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 14:04	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 14:04	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 14:04	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 14:04	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 14:04	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 14:04	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 14:04	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 14:04	WG1871167
Naphthalene	U	C3	0.124	0.500	1	05/28/2022 14:04	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 14:04	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 14:04	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 14:04	WG1871167
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/28/2022 14:04	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 14:04	WG1871167
Tetrachloroethene	U		0.0280	0.100	1	05/28/2022 14:04	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 14:04	WG1871167
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/28/2022 14:04	WG1871167
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/28/2022 14:04	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 14:04	WG1871167
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 14:04	WG1871167
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 14:04	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 14:04	WG1871167
1,2,3-Trichloropropane	U	C3	0.204	0.500	1	05/28/2022 14:04	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 14:04	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 14:04	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 14:04	WG1871167
Vinyl chloride	0.809		0.0273	0.100	1	05/28/2022 14:04	WG1871167
Xylenes, Total	U		0.191	0.260	1	05/28/2022 14:04	WG1871167
Ethyl Ether	0.0610	J	0.0170	0.100	1	05/28/2022 14:04	WG1871167
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 14:04	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 14:04	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 14:04	WG1871167
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/28/2022 14:04	WG1871167
(S) Toluene-d8	95.9			75.0-131		05/28/2022 14:04	WG1871167
(S) 4-Bromofluorobenzene	102			67.0-138		05/28/2022 14:04	WG1871167
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/28/2022 14:04	WG1871167

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
Acetone	U	C3	0.548	1.00	1	05/28/2022 14:23	WG1871167
Acrylonitrile	U	C3	0.0760	0.500	1	05/28/2022 14:23	WG1871167
Benzene	1.45		0.0160	0.0400	1	05/28/2022 14:23	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 14:23	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 14:23	WG1871167
Bromoform	U		0.239	1.00	1	05/28/2022 14:23	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 14:23	WG1871167
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 14:23	WG1871167
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 14:23	WG1871167
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/28/2022 14:23	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 14:23	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 14:23	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 14:23	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 14:23	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 14:23	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 14:23	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 14:23	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 14:23	WG1871167
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/28/2022 14:23	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 14:23	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 14:23	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 14:23	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 14:23	WG1871167
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 14:23	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 14:23	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 14:23	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 14:23	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 14:23	WG1871167
cis-1,2-Dichloroethene	12.5		0.0276	0.100	1	05/28/2022 14:23	WG1871167
trans-1,2-Dichloroethene	0.280		0.0572	0.200	1	05/28/2022 14:23	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 14:23	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 14:23	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 14:23	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 14:23	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 14:23	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 14:23	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 14:23	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 14:23	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 14:23	WG1871167
Isopropylbenzene	0.150		0.0345	0.100	1	05/28/2022 14:23	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 14:23	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 14:23	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 14:23	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 14:23	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 14:23	WG1871167
Naphthalene	U	C3	0.124	0.500	1	05/28/2022 14:23	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 14:23	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 14:23	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 14:23	WG1871167
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/28/2022 14:23	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 14:23	WG1871167
Tetrachloroethene	U		0.0280	0.100	1	05/28/2022 14:23	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 14:23	WG1871167
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/28/2022 14:23	WG1871167
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/28/2022 14:23	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 14:23	WG1871167

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 14:23	WG1871167
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 14:23	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 14:23	WG1871167
1,2,3-Trichloropropane	U	<u>C3</u>	0.204	0.500	1	05/28/2022 14:23	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 14:23	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 14:23	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 14:23	WG1871167
Vinyl chloride	3.83		0.0273	0.100	1	05/28/2022 14:23	WG1871167
Xylenes, Total	U		0.191	0.260	1	05/28/2022 14:23	WG1871167
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 14:23	WG1871167
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 14:23	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 14:23	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 14:23	WG1871167
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.0560	0.200	1	05/28/2022 14:23	WG1871167
(S) Toluene-d8	100			75.0-131		05/28/2022 14:23	WG1871167
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2022 14:23	WG1871167
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/28/2022 14:23	WG1871167

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
Acetone	U	C3	0.548	1.00	1	05/28/2022 14:42	WG1871167
Acrylonitrile	U	C3	0.0760	0.500	1	05/28/2022 14:42	WG1871167
Benzene	0.232		0.0160	0.0400	1	05/28/2022 14:42	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 14:42	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 14:42	WG1871167
Bromoform	U		0.239	1.00	1	05/28/2022 14:42	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 14:42	WG1871167
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 14:42	WG1871167
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 14:42	WG1871167
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/28/2022 14:42	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 14:42	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 14:42	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 14:42	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 14:42	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 14:42	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 14:42	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 14:42	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 14:42	WG1871167
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/28/2022 14:42	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 14:42	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 14:42	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 14:42	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 14:42	WG1871167
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 14:42	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 14:42	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 14:42	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 14:42	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 14:42	WG1871167
cis-1,2-Dichloroethene	0.239		0.0276	0.100	1	05/28/2022 14:42	WG1871167
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 14:42	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 14:42	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 14:42	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 14:42	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 14:42	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 14:42	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 14:42	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 14:42	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 14:42	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 14:42	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 14:42	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 14:42	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 14:42	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 14:42	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 14:42	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 14:42	WG1871167
Naphthalene	U	C3	0.124	0.500	1	05/28/2022 14:42	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 14:42	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 14:42	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 14:42	WG1871167
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/28/2022 14:42	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 14:42	WG1871167
Tetrachloroethene	0.0620	J	0.0280	0.100	1	05/28/2022 14:42	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 14:42	WG1871167
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/28/2022 14:42	WG1871167
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/28/2022 14:42	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 14:42	WG1871167

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 14:42	WG1871167
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 14:42	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 14:42	WG1871167
1,2,3-Trichloropropane	U	<u>C3</u>	0.204	0.500	1	05/28/2022 14:42	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 14:42	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 14:42	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 14:42	WG1871167
Vinyl chloride	10.1		0.0273	0.100	1	05/28/2022 14:42	WG1871167
Xylenes, Total	U		0.191	0.260	1	05/28/2022 14:42	WG1871167
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 14:42	WG1871167
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 14:42	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 14:42	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 14:42	WG1871167
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.0560	0.200	1	05/28/2022 14:42	WG1871167
(S) Toluene-d8	102			75.0-131		05/28/2022 14:42	WG1871167
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2022 14:42	WG1871167
(S) 1,2-Dichloroethane-d4	106			70.0-130		05/28/2022 14:42	WG1871167

- 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	21.8	C3	0.548	1.00	1	05/28/2022 15:01	WG1871167
Acrylonitrile	U	C3	0.0760	0.500	1	05/28/2022 15:01	WG1871167
Benzene	10.1		0.0160	0.0400	1	05/28/2022 15:01	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 15:01	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 15:01	WG1871167
Bromoform	U		0.239	1.00	1	05/28/2022 15:01	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 15:01	WG1871167
n-Butylbenzene	0.751		0.153	0.500	1	05/28/2022 15:01	WG1871167
sec-Butylbenzene	6.88		0.101	0.500	1	05/28/2022 15:01	WG1871167
tert-Butylbenzene	0.225	C3	0.0620	0.200	1	05/28/2022 15:01	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 15:01	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 15:01	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 15:01	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 15:01	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 15:01	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 15:01	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 15:01	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 15:01	WG1871167
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/28/2022 15:01	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 15:01	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 15:01	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 15:01	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 15:01	WG1871167
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 15:01	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 15:01	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 15:01	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 15:01	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 15:01	WG1871167
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/28/2022 15:01	WG1871167
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 15:01	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 15:01	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 15:01	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 15:01	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 15:01	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 15:01	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 15:01	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 15:01	WG1871167
Ethylbenzene	46.7		0.0212	0.100	1	05/28/2022 15:01	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 15:01	WG1871167
Isopropylbenzene	49.0		0.0345	0.100	1	05/28/2022 15:01	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 15:01	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 15:01	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 15:01	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 15:01	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 15:01	WG1871167
Naphthalene	3.46	C3	0.124	0.500	1	05/28/2022 15:01	WG1871167
n-Propylbenzene	84.3		0.0472	0.200	1	05/28/2022 15:01	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 15:01	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 15:01	WG1871167
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/28/2022 15:01	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 15:01	WG1871167
Tetrachloroethene	U		0.0280	0.100	1	05/28/2022 15:01	WG1871167
Toluene	0.853		0.0500	0.200	1	05/28/2022 15:01	WG1871167
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/28/2022 15:01	WG1871167
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/28/2022 15:01	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 15:01	WG1871167

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 15:01	WG1871167
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 15:01	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 15:01	WG1871167
1,2,3-Trichloropropane	U	<u>C3</u>	0.204	0.500	1	05/28/2022 15:01	WG1871167
1,2,4-Trimethylbenzene	0.806		0.0464	0.200	1	05/28/2022 15:01	WG1871167
1,2,3-Trimethylbenzene	1.01		0.0460	0.200	1	05/28/2022 15:01	WG1871167
1,3,5-Trimethylbenzene	0.332		0.0432	0.200	1	05/28/2022 15:01	WG1871167
Vinyl chloride	U		0.0273	0.100	1	05/28/2022 15:01	WG1871167
Xylenes, Total	0.568		0.191	0.260	1	05/28/2022 15:01	WG1871167
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 15:01	WG1871167
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 15:01	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 15:01	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 15:01	WG1871167
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.0560	0.200	1	05/28/2022 15:01	WG1871167
(S) Toluene-d8	97.8			75.0-131		05/28/2022 15:01	WG1871167
(S) 4-Bromofluorobenzene	102			67.0-138		05/28/2022 15:01	WG1871167
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/28/2022 15:01	WG1871167

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	C3	0.548	1.00	1	05/28/2022 16:36	WG1871167
Acrylonitrile	U		0.0760	0.500	1	05/28/2022 16:36	WG1871167
Benzene	U		0.0160	0.0400	1	05/28/2022 16:36	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 16:36	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 16:36	WG1871167
Bromoform	U	C3	0.239	1.00	1	05/28/2022 16:36	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 16:36	WG1871167
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 16:36	WG1871167
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 16:36	WG1871167
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2022 16:36	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 16:36	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 16:36	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 16:36	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 16:36	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 16:36	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 16:36	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 16:36	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 16:36	WG1871167
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/28/2022 16:36	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 16:36	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 16:36	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 16:36	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 16:36	WG1871167
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 16:36	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 16:36	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 16:36	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 16:36	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 16:36	WG1871167
cis-1,2-Dichloroethene	0.704		0.0276	0.100	1	05/28/2022 16:36	WG1871167
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 16:36	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 16:36	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 16:36	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 16:36	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 16:36	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 16:36	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 16:36	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 16:36	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 16:36	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 16:36	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 16:36	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 16:36	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 16:36	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 16:36	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 16:36	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 16:36	WG1871167
Naphthalene	U		0.124	0.500	1	05/28/2022 16:36	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 16:36	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 16:36	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 16:36	WG1871167
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2022 16:36	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 16:36	WG1871167
Tetrachloroethene	0.0780	J	0.0280	0.100	1	05/28/2022 16:36	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 16:36	WG1871167
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/28/2022 16:36	WG1871167
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/28/2022 16:36	WG1871167
1,1,1-Trichloroethane	0.0680	J	0.0110	0.100	1	05/28/2022 16:36	WG1871167

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 16:36	WG1871167
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 16:36	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 16:36	WG1871167
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2022 16:36	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 16:36	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 16:36	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 16:36	WG1871167
Vinyl chloride	0.135		0.0273	0.100	1	05/28/2022 16:36	WG1871167
Xylenes, Total	U		0.191	0.260	1	05/28/2022 16:36	WG1871167
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 16:36	WG1871167
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 16:36	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 16:36	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 16:36	WG1871167
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/28/2022 16:36	WG1871167
(S) Toluene-d8	101			75.0-131		05/28/2022 16:36	WG1871167
(S) 4-Bromofluorobenzene	108			67.0-138		05/28/2022 16:36	WG1871167
(S) 1,2-Dichloroethane-d4	107			70.0-130		05/28/2022 16:36	WG1871167

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2750	J	594	5000	1	06/16/2022 16:02	WG1879084

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)	1920	B	102	1000	1	06/10/2022 19:10	WG1877226

Metals (ICPMS) by Method 6020B

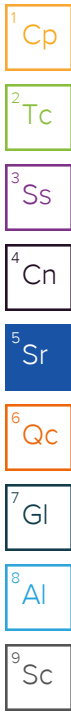
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	93.2	J	28.1	100	1	06/07/2022 18:18	WG1873011
Manganese	101		0.704	5.00	1	06/07/2022 18:18	WG1873011

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	44.4		0.287	0.678	1	05/29/2022 14:29	WG1871451
Ethane	0.301	J	0.296	1.29	1	05/29/2022 14:29	WG1871451
Ethene	U		0.422	1.27	1	05/29/2022 14:29	WG1871451

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	2.60	C3	0.548	1.00	1	05/28/2022 16:55	WG1871167
Acrylonitrile	U		0.0760	0.500	1	05/28/2022 16:55	WG1871167
Benzene	U		0.0160	0.0400	1	05/28/2022 16:55	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 16:55	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 16:55	WG1871167
Bromoform	U	C3	0.239	1.00	1	05/28/2022 16:55	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 16:55	WG1871167
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 16:55	WG1871167
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 16:55	WG1871167
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2022 16:55	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 16:55	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 16:55	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 16:55	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 16:55	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 16:55	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 16:55	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 16:55	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 16:55	WG1871167
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/28/2022 16:55	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 16:55	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 16:55	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 16:55	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 16:55	WG1871167
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 16:55	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 16:55	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 16:55	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 16:55	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 16:55	WG1871167
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/28/2022 16:55	WG1871167
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 16:55	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 16:55	WG1871167



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	05/28/2022 16:55	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 16:55	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 16:55	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 16:55	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 16:55	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 16:55	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 16:55	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 16:55	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 16:55	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 16:55	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 16:55	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 16:55	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 16:55	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 16:55	WG1871167
Naphthalene	U		0.124	0.500	1	05/28/2022 16:55	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 16:55	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 16:55	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 16:55	WG1871167
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2022 16:55	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 16:55	WG1871167
Tetrachloroethene	U		0.0280	0.100	1	05/28/2022 16:55	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 16:55	WG1871167
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/28/2022 16:55	WG1871167
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/28/2022 16:55	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 16:55	WG1871167
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 16:55	WG1871167
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 16:55	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 16:55	WG1871167
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2022 16:55	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 16:55	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 16:55	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 16:55	WG1871167
Vinyl chloride	U		0.0273	0.100	1	05/28/2022 16:55	WG1871167
Xylenes, Total	U		0.191	0.260	1	05/28/2022 16:55	WG1871167
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 16:55	WG1871167
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 16:55	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 16:55	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 16:55	WG1871167
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/28/2022 16:55	WG1871167
(S) Toluene-d8	99.0			75.0-131		05/28/2022 16:55	WG1871167
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2022 16:55	WG1871167
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/28/2022 16:55	WG1871167

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	C3	0.548	1.00	1	05/28/2022 17:14	WG1871167
Acrylonitrile	U		0.0760	0.500	1	05/28/2022 17:14	WG1871167
Benzene	U		0.0160	0.0400	1	05/28/2022 17:14	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 17:14	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 17:14	WG1871167
Bromoform	U	C3	0.239	1.00	1	05/28/2022 17:14	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 17:14	WG1871167
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 17:14	WG1871167
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 17:14	WG1871167
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2022 17:14	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 17:14	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 17:14	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 17:14	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 17:14	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 17:14	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 17:14	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 17:14	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 17:14	WG1871167
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/28/2022 17:14	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 17:14	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 17:14	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 17:14	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 17:14	WG1871167
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 17:14	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 17:14	WG1871167
1,1-Dichloroethane	0.723		0.0230	0.100	1	05/28/2022 17:14	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 17:14	WG1871167
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2022 17:14	WG1871167
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/28/2022 17:14	WG1871167
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2022 17:14	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 17:14	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 17:14	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 17:14	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 17:14	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 17:14	WG1871167
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 17:14	WG1871167
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2022 17:14	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 17:14	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 17:14	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 17:14	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 17:14	WG1871167
2-Butanone (MEK)	U		0.500	1.00	1	05/28/2022 17:14	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 17:14	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 17:14	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 17:14	WG1871167
Naphthalene	U		0.124	0.500	1	05/28/2022 17:14	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 17:14	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 17:14	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 17:14	WG1871167
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2022 17:14	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 17:14	WG1871167
Tetrachloroethene	U		0.0280	0.100	1	05/28/2022 17:14	WG1871167
Toluene	U		0.0500	0.200	1	05/28/2022 17:14	WG1871167
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/28/2022 17:14	WG1871167
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/28/2022 17:14	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 17:14	WG1871167

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 17:14	WG1871167
Trichloroethene	U		0.0160	0.0400	1	05/28/2022 17:14	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 17:14	WG1871167
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2022 17:14	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 17:14	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 17:14	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 17:14	WG1871167
Vinyl chloride	U		0.0273	0.100	1	05/28/2022 17:14	WG1871167
Xylenes, Total	U		0.191	0.260	1	05/28/2022 17:14	WG1871167
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 17:14	WG1871167
Tetrahydrofuran	0.183	<u>J</u>	0.0900	0.500	1	05/28/2022 17:14	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 17:14	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 17:14	WG1871167
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.0560	0.200	1	05/28/2022 17:14	WG1871167
(S) Toluene-d8	105			75.0-131		05/28/2022 17:14	WG1871167
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2022 17:14	WG1871167
(S) 1,2-Dichloroethane-d4	91.7			70.0-130		05/28/2022 17:14	WG1871167

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3804289-1 06/15/22 09:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1496480-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1496480-08 06/15/22 15:24 • (DUP) R3804289-3 06/15/22 15:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	493000	493000	10	0.00799		15

L1496703-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1496703-12 06/16/22 14:11 • (DUP) R3804289-11 06/16/22 14:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	133000	131000	5	1.07		15

Laboratory Control Sample (LCS)

(LCS) R3804289-2 06/15/22 10:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	40500	101	80.0-120	

L1496496-13 Original Sample (OS) • Matrix Spike (MS)

(OS) L1496496-13 06/15/22 19:23 • (MS) R3804289-7 06/15/22 19:07

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	308000	350000	84.4	1	80.0-120	E

L1496703-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496703-03 06/16/22 16:18 • (MS) R3804289-12 06/16/22 16:34 • (MSD) R3804289-13 06/16/22 16:50

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	34700	97400	91400	125	113	10	80.0-120	J5		6.44	15

Method Blank (MB)

(MB) R3802018-2 06/10/22 14:15

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	219	↓	102	1000

L1496480-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1496480-09 06/10/22 15:18 • (DUP) R3802018-3 06/10/22 15:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	1120	1080	1	3.54		20

L1500319-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1500319-02 06/10/22 20:46 • (DUP) R3802018-8 06/10/22 20:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	661	627	1	5.28	↓	20

Laboratory Control Sample (LCS)

(LCS) R3802018-1 06/10/22 14:04

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	79400	106	85.0-115	

L1496679-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496679-01 06/10/22 16:36 • (MS) R3802018-4 06/10/22 16:55 • (MSD) R3802018-5 06/10/22 17:14

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	2830	56800	59500	108	113	1	80.0-120			4.68	20

L1500319-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1500319-01 06/10/22 19:22 • (MS) R3802018-6 06/10/22 19:39 • (MSD) R3802018-7 06/10/22 19:59

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	508	52800	53900	105	107	1	80.0-120			2.01	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3800530-1 06/07/22 17:24

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3800530-2 06/07/22 17:28

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	4740	94.7	80.0-120	
Manganese	50.0	45.5	91.1	80.0-120	

L1496480-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496480-08 06/07/22 17:31 • (MS) R3800530-4 06/07/22 17:38 • (MSD) R3800530-5 06/07/22 17:41

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	85.7	4550	4700	89.2	92.3	1	75.0-125			3.28	20
Manganese	50.0	53.4	91.9	93.8	76.9	80.7	1	75.0-125			2.07	20

Method Blank (MB)

(MB) R3797179-1 05/26/22 12:32

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	94.3			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3797179-2 05/26/22 13:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5260	95.6	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			109	78.0-120	

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

Method Blank (MB)

(MB) R3797327-2 05/29/22 13:35

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

L1496903-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1496903-01 05/29/22 14:35 • (DUP) R3797327-3 05/29/22 14:38

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

L1497301-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1497301-16 05/29/22 15:37 • (DUP) R3797327-4 05/29/22 15:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
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) R3797327-1 05/29/22 13:33 • (LCSD) R3797327-7 05/29/22 15:49

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	72.3	73.3	107	108	85.0-115			1.37	20
Ethane	129	130	132	101	102	85.0-115			1.53	20
Ethene	127	132	133	104	105	85.0-115			0.755	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1496903-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496903-01 05/29/22 14:35 • (MS) R3797327-5 05/29/22 15:43 • (MSD) R3797327-6 05/29/22 15:47

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 %
Methane	67.8	U	74.4	74.4	110	110	1	85.0-115			0.000	20
Ethane	129	U	129	130	100	101	1	85.0-115			0.772	20
Ethene	127	U	131	131	103	103	1	85.0-115			0.000	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3798125-3 05/28/22 04:57

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3798125-3 05/28/22 04:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	102			75.0-131
(S) 4-Bromofluorobenzene	102			67.0-138
(S) 1,2-Dichloroethane-d4	103			70.0-130

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3798125-1 05/28/22 03:22 • (LCSD) R3798125-2 05/28/22 03:41

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 %
Acetone	25.0	16.8	16.0	67.2	64.0	10.0-160			4.88	31
Acrylonitrile	25.0	19.3	16.7	77.2	66.8	45.0-153			14.4	22
Benzene	5.00	4.81	4.45	96.2	89.0	70.0-123			7.78	20
Bromobenzene	5.00	4.28	4.48	85.6	89.6	73.0-121			4.57	20
Bromodichloromethane	5.00	5.13	4.80	103	96.0	73.0-121			6.65	20
Bromoform	5.00	4.05	3.89	81.0	77.8	64.0-132			4.03	20
Bromomethane	5.00	4.35	4.15	87.0	83.0	56.0-147			4.71	20
n-Butylbenzene	5.00	4.42	4.42	88.4	88.4	68.0-135			0.000	20
sec-Butylbenzene	5.00	4.50	4.54	90.0	90.8	74.0-130			0.885	20
tert-Butylbenzene	5.00	3.89	4.15	77.8	83.0	75.0-127			6.47	20
Carbon tetrachloride	5.00	5.07	4.65	101	93.0	66.0-128			8.64	20
Chlorobenzene	5.00	4.71	4.41	94.2	88.2	76.0-128			6.58	20
Chlorodibromomethane	5.00	4.53	4.38	90.6	87.6	74.0-127			3.37	20
Chloroethane	5.00	5.69	5.35	114	107	61.0-134			6.16	20
Chloroform	5.00	5.25	4.86	105	97.2	72.0-123			7.72	20
Chloromethane	5.00	6.45	5.64	129	113	51.0-138			13.4	20
2-Chlorotoluene	5.00	4.05	4.06	81.0	81.2	75.0-124			0.247	20
4-Chlorotoluene	5.00	4.06	4.18	81.2	83.6	75.0-124			2.91	20
1,2-Dibromo-3-Chloropropane	5.00	3.22	3.33	64.4	66.6	59.0-130			3.36	20
1,2-Dibromoethane	5.00	4.59	4.21	91.8	84.2	74.0-128			8.64	20
Dibromomethane	5.00	4.89	4.38	97.8	87.6	75.0-122			11.0	20
1,2-Dichlorobenzene	5.00	4.80	4.43	96.0	88.6	76.0-124			8.02	20
1,3-Dichlorobenzene	5.00	4.82	4.53	96.4	90.6	76.0-125			6.20	20
1,4-Dichlorobenzene	5.00	4.72	4.45	94.4	89.0	77.0-121			5.89	20
Dichlorodifluoromethane	5.00	5.08	4.56	102	91.2	43.0-156			10.8	20
1,1-Dichloroethane	5.00	4.96	4.58	99.2	91.6	70.0-127			7.97	20
1,2-Dichloroethane	5.00	5.25	4.78	105	95.6	65.0-131			9.37	20
1,1-Dichloroethene	5.00	5.10	4.75	102	95.0	65.0-131			7.11	20
cis-1,2-Dichloroethene	5.00	5.32	4.90	106	98.0	73.0-125			8.22	20
trans-1,2-Dichloroethene	5.00	5.62	5.14	112	103	71.0-125			8.92	20
1,2-Dichloropropane	5.00	4.42	4.23	88.4	84.6	74.0-125			4.39	20
1,1-Dichloropropene	5.00	5.57	5.14	111	103	73.0-125			8.03	20
1,3-Dichloropropane	5.00	4.51	4.13	90.2	82.6	80.0-125			8.80	20
cis-1,3-Dichloropropene	5.00	4.64	4.40	92.8	88.0	76.0-127			5.31	20
trans-1,3-Dichloropropene	5.00	4.38	4.04	87.6	80.8	73.0-127			8.08	20
2,2-Dichloropropane	5.00	5.26	5.06	105	101	59.0-135			3.88	20
Di-isopropyl ether	5.00	4.94	4.53	98.8	90.6	60.0-136			8.66	20
Ethylbenzene	5.00	4.61	4.28	92.2	85.6	74.0-126			7.42	20
Hexachloro-1,3-butadiene	5.00	5.40	5.50	108	110	57.0-150			1.83	20
Isopropylbenzene	5.00	4.97	4.64	99.4	92.8	72.0-127			6.87	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3798125-1 05/28/22 03:22 • (LCSD) R3798125-2 05/28/22 03:41

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 %
p-Isopropyltoluene	5.00	4.15	4.02	83.0	80.4	72.0-133			3.18	20
2-Butanone (MEK)	25.0	21.1	20.5	84.4	82.0	30.0-160			2.88	24
Methylene Chloride	5.00	4.74	4.43	94.8	88.6	68.0-123			6.76	20
4-Methyl-2-pentanone (MIBK)	25.0	21.8	19.9	87.2	79.6	56.0-143			9.11	20
Methyl tert-butyl ether	5.00	5.22	4.75	104	95.0	66.0-132			9.43	20
Naphthalene	5.00	3.95	4.20	79.0	84.0	59.0-130			6.13	20
n-Propylbenzene	5.00	4.33	4.41	86.6	88.2	74.0-126			1.83	20
Styrene	5.00	4.68	4.33	93.6	86.6	72.0-127			7.77	20
1,1,1,2-Tetrachloroethane	5.00	4.63	4.37	92.6	87.4	74.0-129			5.78	20
1,1,2,2-Tetrachloroethane	5.00	3.77	3.72	75.4	74.4	68.0-128			1.34	20
1,1,2-Trichlorotrifluoroethane	5.00	5.17	4.75	103	95.0	61.0-139			8.47	20
Tetrachloroethene	5.00	5.41	5.05	108	101	70.0-136			6.88	20
Toluene	5.00	4.86	4.45	97.2	89.0	75.0-121			8.81	20
1,2,3-Trichlorobenzene	5.00	4.06	4.60	81.2	92.0	59.0-139			12.5	20
1,2,4-Trichlorobenzene	5.00	5.37	5.26	107	105	62.0-137			2.07	20
1,1,1-Trichloroethane	5.00	5.86	5.46	117	109	69.0-126			7.07	20
1,1,2-Trichloroethane	5.00	4.69	4.50	93.8	90.0	78.0-123			4.13	20
Trichloroethene	5.00	5.72	5.39	114	108	76.0-126			5.94	20
Trichlorofluoromethane	5.00	4.92	4.72	98.4	94.4	61.0-142			4.15	20
1,2,3-Trichloropropane	5.00	3.96	4.18	79.2	83.6	67.0-129			5.41	20
1,2,4-Trimethylbenzene	5.00	4.46	4.31	89.2	86.2	70.0-126			3.42	20
1,2,3-Trimethylbenzene	5.00	4.25	4.12	85.0	82.4	74.0-124			3.11	20
1,3,5-Trimethylbenzene	5.00	3.99	4.19	79.8	83.8	73.0-127			4.89	20
Vinyl chloride	5.00	5.03	4.71	101	94.2	63.0-134			6.57	20
Xylenes, Total	15.0	14.1	12.9	94.0	86.0	72.0-127			8.89	20
Ethyl ether	5.00	4.58	4.24	91.6	84.8	64.0-137			7.71	20
Tetrahydrofuran	5.00	4.17	3.91	83.4	78.2	37.0-146			6.44	24
Iodomethane	25.0	28.1	26.3	112	105	74.0-134			6.62	20
Allyl chloride	25.0	25.2	23.6	101	94.4	70.0-131			6.56	20
trans-1,4-Dichloro-2-butene	5.00	2.76	3.09	55.2	61.8	45.0-143			11.3	20
(S) Toluene-d8				99.6	98.6	75.0-131				
(S) 4-Bromofluorobenzene				102	102	67.0-138				
(S) 1,2-Dichloroethane-d4				111	108	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

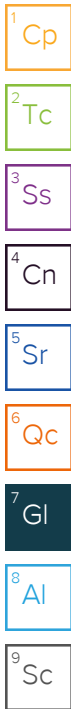
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
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.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
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.
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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 ___ of ___

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State
Collected: **Seattle WA**

Please Circle:
PT MT CT ET

Phone: **206-529-3980**

Client Project #
443018-1413001.05.60

Lab Project #
PESENVSWA-ALP

Collected by (print):
Ken Lanza

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Immediately
Packed on Ice N Y

Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Date Results Needed

No.
of
Cnts

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

MW125-051922

Grab

GW

5/19/22

0846

11

MW121-051922

GW

/

1010

1

MW970-051922

GW

/

1010

1

MW308-051922

GW

/

1200

3

MW309-051922

GW

/

1250

1

SCL-MW101-051922

GW

/

1400

1

MW127-052022

GW

5/20/22

0912

L

MW126-052022

GW

/

1000

11

MW-331-052022

GW

/

1053

3

* 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 #

1d7U 587E1D450

Relinquished by: (Signature)

Date:

5/20/22

Time:

1200

Received by: (Signature)

Trip Blank Received: Yes/No

HCL/MeOH
 TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: **1.3** °C Bottles Received: **55**

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: **5-24-22** Time: **5:55**

Sample Receipt Checklist

COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

If preservation required by Login: Date/Time

Hold:

Condition:
NCF / OK



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

SDG #

1123

Acctnum: **PESENVSWA**

Template: **T207758**

Prelogin: **P919183**

PM: **546 - Jared Starkey**

PB:

Shipped Via:

Remarks

Sample # (lab only)

01

02

03

04

05

06

07

08

09

10

11

12

13

14

15

16

17

18

19

20

V8260ULLC 4UMIAMB-HCI

FEG MNG
FSK175 LL
Sulfate
TOC
NWTPH-GX

W

W

Ken Lanza
5-24-22

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



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>

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State
 Collected: **Seattle WA**

Please Circle:
 PT MT CT ET

Phone: **206-529-3980**

Client Project #
443018-1413001.05.60

Lab Project #
PESENVSWA-ALP

Collected by (print):
Ken LaZara

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):
 Immediately Packed on Ice N Y

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
 No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

MW125-051922	Grab	GW		5/19/22	0846	11
MW121-051922		GW		/	1010	11
MW-970-051922		GW		/	1010	11
MW-308-051922		GW		/	1200	3
MW-309-051922		GW		/	1250	3
SCL-MW101-051922		GW		/	1400	3
MW127-052022		GW		5/20/22	0912	3
MW126-052022		GW		/	1000	8
MW-331-052022		GW		/	1053	3

V8260ULLC 40MIAMB-HCI

6020B

FEG MWG

9056A

FSK175 LL

9060A

Sulfate

TOC

NWT PH-GX

no nwtph-gx for mw126-052022

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: **Updates per sem 5/23/2022**

pH _____ Temp _____
 Flow _____ Other _____

Sample Receipt Checklist	
COC Seal Present/Intact:	NP <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
COC Signed/Accurate:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
Bottles arrive intact:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
Correct bottles used:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
Sufficient volume sent:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
If Applicable	
VOA Zero Headspace:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
Preservation Correct/Checked:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
RAD Screen <0.5 mR/hr:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>

Samples returned via:
 UPS FedEx Courier

Tracking #

Relinquished by: (Signature)

Date: **5/20/22**

Time: **1200**

Received by: (Signature)

Trip Blank Received: Yes / No
 HCL / MeOH
 TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: Time:

Hold:

Condition:
 NCF / OK

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

Analysis / Container / Preservative
 Pres Chk: *la* *la*

Chain of Custody Page *01*

Report to: **Brian O'Neal/Bill Haldeman**

Email To: **Shannon.McKernan@nv5.com; brian.oneal@nv5.com**

Project Description: **American Linen**

City/State Collected: **Seattle WA**

Please Circle: **PT MT CT ET**

Client Project #: **443018-1413001.05.60**

Lab Project #: **PESENVSWA-ALP**

Site/Facility ID #: **443018-1413001.05.601**

Collected by (print): **Ken Lazara**

Collected by (signature): *[Signature]*

Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Date Results Needed: _____

No. of Cntrs: _____

Immediately Packed on Ice **N** **Y**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260ULLC-40MIAMB-HCI	FEG	MNG	FSK175LL	Sulfate	TOC	NWTPH-GX	Remarks	Sample # (lab only)
MW125-051922	Grab	GW		5/19/22	0846	11	X	X	X	X	X	X	X		01
MW121-051922		GW		/	1010	1	X	X	X	X	X	X	X		02
MW970-051922		GW		/	1010	1	X	X	X	X	X	X	X		03
MW308-051922		GW		/	1200	3	X								07
MW309-051922		GW		/	1250	1	X								05
SCL-MW101-051922		GW		/	1400	1	X								04
MW127-052022		GW		5/20/22	0912	1	X								05
MW126-052022		GW		/	1000	11	X	X	X	X	X	X	X		02
MW-331-052022		GW		/	1053	3	X								04
		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 #: *1d7tl 587610450*

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist
 COC Seal Present/Intact: **NP** **Y** **N**
 COC Signed/Accurate: **Y** **N**
 Bottles arrive intact: **Y** **N**
 Correct bottles used: **Y** **N**
 Sufficient volume sent: **Y** **N**
 If Applicable
 VOA Zero Headspace: **Y** **N**
 Preservation Correct/Checked: **Y** **N**
 RAD Screen <0.5 mR/hr: **Y** **N**

Relinquished by: (Signature) *[Signature]* Date: **5/20/22** Time: **1200**

Received by: (Signature) _____ Trip Blank Received: Yes/No **HCL/MeOH/TBR**

Relinquished by: (Signature) _____ Date: _____ Time: _____

Received by: (Signature) _____ Temp: *1.3* *10=1.3* Bottles Received: **55**

Relinquished by: (Signature) _____ Date: _____ Time: _____

Received for lab by: (Signature) *[Signature]* Date: **5-24-22** Time: _____

Hold: _____ Condition: **NCF / OK**

Pace
 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>


SDG # *1149699*

1123

Acctnum: **PESENVSWA**
 Template: **T207758**
 Prelogin: **P919183**
 PM: **546 - Jared Starkey**
 PB: _____

Shipped Via: _____

Kyle Tallman 5-24-22

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: Brian O'Neal/Bill Haldeman		Email To: Shannon.McKernan@nv5.com;brian.oneal@nv5														 MT JULIET, TN <small>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</small>	
Project Description: American Linen		City/State Collected: <u>Seattle WA</u>		Please Circle: PT MT CT ET												SDG # <u>1496799</u>	
Phone: 206-529-3980		Client Project # 443018-1413001.05.60		Lab Project # PESENVSWA-ALP												Table #	
Collected by (print): <u>Ken Lazara</u>		Site/Facility ID #		P.O. # 443018-1413001.05.601												Acctnum: PESENVSWA	
Collected by (signature):		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day		Quote #												Template: T207758	
Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>				Date Results Needed												Prelogin: P919183	
																PM: 546 - Jared Starkey	
																PB:	
																Shipped Via:	
																Remarks	
																Sample # (lab only)	

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis	Container	Preservative	Remarks			
MW125-051922	Grab	GW		5/19/22	0846	11	X	X	X	X	X	X	
MW121-051922		GW		1	1010	11	X	X	X	X	X	X	
MW-970-051922		GW		1	1010	11	X	X	X	X	X	X	
MW-308-051922		GW		1	1200	3	X						
MW-309-051922		GW		1	1250	3	X						
SCL-MW101-051922		GW		1	1400	3	X						
MW127-052022		GW		5/20/22	0912	3	X						
MW126-052022		GW		1	1000	8	X	X	X	X	X	X	no nwtph-gx for mw126-052022
MW-331-052022		GW		1	1053	3	X						

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: Updates per sem 5/23/2022

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 UPS FedEx Courier

Tracking # _____

Relinquished by: (Signature) <u>[Signature]</u>	Date: 5/20/22	Time: 1200	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time: Hold: Condition: NCF / OK

Sample Receipt Checklist

COC Seal Present/Intact: NP Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N

If Applicable

VDA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

PES Environmental, Inc.- WA

Sample Delivery Group: L1497495
Samples Received: 05/25/2022
Project Number: 443018-1413001.05.60
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
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 www.pacenational.com

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SAMPLE SUMMARY

MW-971-05242 L1497495-01 GW

Collected by: RTM
 Collected date/time: 05/24/22 11:00
 Received date/time: 05/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1869454	1	05/25/22 15:45	05/25/22 15:45	KEG	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1878616	10	06/13/22 17:44	06/13/22 17:44	VRP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1871510	1	05/30/22 14:36	05/30/22 14:36	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1871167	1	05/28/22 19:27	05/28/22 19:27	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1872633	25	06/03/22 04:14	06/03/22 04:14	ADM	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

HMW-9IB-052422 L1497495-02 GW

Collected by: RTM
 Collected date/time: 05/24/22 12:25
 Received date/time: 05/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1869454	1	05/25/22 16:10	05/25/22 16:10	KEG	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1878616	10	06/13/22 17:58	06/13/22 17:58	VRP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1871510	1	05/30/22 14:38	05/30/22 14:38	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1871167	1	05/28/22 19:46	05/28/22 19:46	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1872633	25	06/03/22 04:33	06/03/22 04:33	ADM	Mt. Juliet, TN

5 Sr

6 Qc

7 Gl

8 Al

MW-346-052422 L1497495-03 GW

Collected by: RTM
 Collected date/time: 05/24/22 14:25
 Received date/time: 05/25/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1869454	1	05/25/22 16:36	05/25/22 16:36	KEG	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG187986	1	06/11/22 21:41	06/11/22 21:41	VRP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1871510	1	05/30/22 14:48	05/30/22 14:48	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1873640	1	06/03/22 05:11	06/03/22 05:11	ADM	Mt. Juliet, TN

9 Sc

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

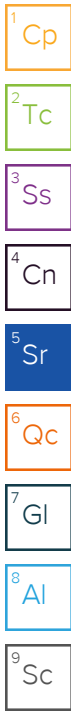
⁷ Gl

⁸ Al

⁹ Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	81500		379	1000	1	05/25/2022 15:45	WG1869454
Nitrate	U		48.0	100	1	05/25/2022 15:45	WG1869454
Sulfate	U		594	5000	1	05/25/2022 15:45	WG1869454



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)	586000		1020	10000	10	06/13/2022 17:44	WG1878616

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	308		0.287	0.678	1	05/30/2022 14:36	WG1871510
Ethane	4.77		0.296	1.29	1	05/30/2022 14:36	WG1871510
Ethene	22.4		0.422	1.27	1	05/30/2022 14:36	WG1871510

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	8.29	C3	0.548	1.00	1	05/28/2022 19:27	WG1871167
Acrylonitrile	U		0.0760	0.500	1	05/28/2022 19:27	WG1871167
Benzene	0.0520		0.0160	0.0400	1	05/28/2022 19:27	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 19:27	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 19:27	WG1871167
Bromoform	U	C3	0.239	1.00	1	05/28/2022 19:27	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 19:27	WG1871167
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 19:27	WG1871167
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 19:27	WG1871167
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2022 19:27	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 19:27	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 19:27	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 19:27	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 19:27	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 19:27	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 19:27	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 19:27	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 19:27	WG1871167
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/28/2022 19:27	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 19:27	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 19:27	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 19:27	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 19:27	WG1871167
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 19:27	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 19:27	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 19:27	WG1871167
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2022 19:27	WG1871167
1,1-Dichloroethene	3.18		0.0200	0.100	1	05/28/2022 19:27	WG1871167
cis-1,2-Dichloroethene	2100		0.690	2.50	25	06/03/2022 04:14	WG1872633
trans-1,2-Dichloroethene	10.8		0.0572	0.200	1	05/28/2022 19:27	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 19:27	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 19:27	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 19:27	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 19:27	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 19:27	WG1871167

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 19:27	WG1871167
Di-isopropyl ether	0.226		0.0140	0.0400	1	05/28/2022 19:27	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 19:27	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 19:27	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 19:27	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 19:27	WG1871167
2-Butanone (MEK)	187		0.500	1.00	1	05/28/2022 19:27	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 19:27	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 19:27	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 19:27	WG1871167
Naphthalene	U		0.124	0.500	1	05/28/2022 19:27	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 19:27	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 19:27	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 19:27	WG1871167
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2022 19:27	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 19:27	WG1871167
Tetrachloroethene	1.61		0.0280	0.100	1	05/28/2022 19:27	WG1871167
Toluene	0.278		0.0500	0.200	1	05/28/2022 19:27	WG1871167
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/28/2022 19:27	WG1871167
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/28/2022 19:27	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 19:27	WG1871167
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 19:27	WG1871167
Trichloroethene	10.7		0.0160	0.0400	1	05/28/2022 19:27	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 19:27	WG1871167
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2022 19:27	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 19:27	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 19:27	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 19:27	WG1871167
Vinyl chloride	832		0.682	2.50	25	06/03/2022 04:14	WG1872633
Xylenes, Total	0.216	U	0.191	0.260	1	05/28/2022 19:27	WG1871167
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 19:27	WG1871167
Tetrahydrofuran	23.7		0.0900	0.500	1	05/28/2022 19:27	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 19:27	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 19:27	WG1871167
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/28/2022 19:27	WG1871167
(S) Toluene-d8	98.5			75.0-131		05/28/2022 19:27	WG1871167
(S) Toluene-d8	103			75.0-131		06/03/2022 04:14	WG1872633
(S) 4-Bromofluorobenzene	101			67.0-138		05/28/2022 19:27	WG1871167
(S) 4-Bromofluorobenzene	101			67.0-138		06/03/2022 04:14	WG1872633
(S) 1,2-Dichloroethane-d4	98.9			70.0-130		05/28/2022 19:27	WG1871167
(S) 1,2-Dichloroethane-d4	107			70.0-130		06/03/2022 04:14	WG1872633

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	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	83800		379	1000	1	05/25/2022 16:10	WG1869454
Nitrate	U		48.0	100	1	05/25/2022 16:10	WG1869454
Sulfate	724	J	594	5000	1	05/25/2022 16:10	WG1869454

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)	612000		1020	10000	10	06/13/2022 17:58	WG1878616

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	376		0.287	0.678	1	05/30/2022 14:38	WG1871510
Ethane	5.51		0.296	1.29	1	05/30/2022 14:38	WG1871510
Ethene	27.1		0.422	1.27	1	05/30/2022 14:38	WG1871510

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	9.61	C3	0.548	1.00	1	05/28/2022 19:46	WG1871167
Acrylonitrile	U		0.0760	0.500	1	05/28/2022 19:46	WG1871167
Benzene	0.0420		0.0160	0.0400	1	05/28/2022 19:46	WG1871167
Bromobenzene	U		0.0420	0.500	1	05/28/2022 19:46	WG1871167
Bromodichloromethane	U		0.0315	0.100	1	05/28/2022 19:46	WG1871167
Bromoform	U	C3	0.239	1.00	1	05/28/2022 19:46	WG1871167
Bromomethane	U		0.148	0.500	1	05/28/2022 19:46	WG1871167
n-Butylbenzene	U		0.153	0.500	1	05/28/2022 19:46	WG1871167
sec-Butylbenzene	U		0.101	0.500	1	05/28/2022 19:46	WG1871167
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2022 19:46	WG1871167
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2022 19:46	WG1871167
Chlorobenzene	U		0.0229	0.100	1	05/28/2022 19:46	WG1871167
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2022 19:46	WG1871167
Chloroethane	U		0.0432	0.200	1	05/28/2022 19:46	WG1871167
Chloroform	U		0.0166	0.100	1	05/28/2022 19:46	WG1871167
Chloromethane	U		0.0556	0.500	1	05/28/2022 19:46	WG1871167
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2022 19:46	WG1871167
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2022 19:46	WG1871167
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/28/2022 19:46	WG1871167
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2022 19:46	WG1871167
Dibromomethane	U		0.0400	0.200	1	05/28/2022 19:46	WG1871167
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2022 19:46	WG1871167
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2022 19:46	WG1871167
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2022 19:46	WG1871167
Dichlorodifluoromethane	U		0.0327	0.100	1	05/28/2022 19:46	WG1871167
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2022 19:46	WG1871167
1,2-Dichloroethane	0.173		0.0190	0.100	1	05/28/2022 19:46	WG1871167
1,1-Dichloroethene	3.25		0.0200	0.100	1	05/28/2022 19:46	WG1871167
cis-1,2-Dichloroethene	2160		0.690	2.50	25	06/03/2022 04:33	WG1872633
trans-1,2-Dichloroethene	11.2		0.0572	0.200	1	05/28/2022 19:46	WG1871167
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2022 19:46	WG1871167
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2022 19:46	WG1871167
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2022 19:46	WG1871167
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2022 19:46	WG1871167
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2022 19:46	WG1871167

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
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2022 19:46	WG1871167
Di-isopropyl ether	0.235		0.0140	0.0400	1	05/28/2022 19:46	WG1871167
Ethylbenzene	U		0.0212	0.100	1	05/28/2022 19:46	WG1871167
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2022 19:46	WG1871167
Isopropylbenzene	U		0.0345	0.100	1	05/28/2022 19:46	WG1871167
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2022 19:46	WG1871167
2-Butanone (MEK)	146		0.500	1.00	1	05/28/2022 19:46	WG1871167
Methylene Chloride	U		0.265	1.00	1	05/28/2022 19:46	WG1871167
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2022 19:46	WG1871167
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2022 19:46	WG1871167
Naphthalene	U		0.124	0.500	1	05/28/2022 19:46	WG1871167
n-Propylbenzene	U		0.0472	0.200	1	05/28/2022 19:46	WG1871167
Styrene	U		0.109	0.500	1	05/28/2022 19:46	WG1871167
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2022 19:46	WG1871167
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2022 19:46	WG1871167
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2022 19:46	WG1871167
Tetrachloroethene	1.95		0.0280	0.100	1	05/28/2022 19:46	WG1871167
Toluene	0.210		0.0500	0.200	1	05/28/2022 19:46	WG1871167
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	05/28/2022 19:46	WG1871167
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	05/28/2022 19:46	WG1871167
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2022 19:46	WG1871167
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2022 19:46	WG1871167
Trichloroethene	11.4		0.0160	0.0400	1	05/28/2022 19:46	WG1871167
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2022 19:46	WG1871167
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2022 19:46	WG1871167
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2022 19:46	WG1871167
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2022 19:46	WG1871167
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2022 19:46	WG1871167
Vinyl chloride	850		0.682	2.50	25	06/03/2022 04:33	WG1872633
Xylenes, Total	U		0.191	0.260	1	05/28/2022 19:46	WG1871167
Ethyl Ether	U		0.0170	0.100	1	05/28/2022 19:46	WG1871167
Tetrahydrofuran	U		0.0900	0.500	1	05/28/2022 19:46	WG1871167
Iodomethane	U		0.242	0.500	1	05/28/2022 19:46	WG1871167
Allyl chloride	U		0.580	1.00	1	05/28/2022 19:46	WG1871167
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/28/2022 19:46	WG1871167
(S) Toluene-d8	99.7			75.0-131		05/28/2022 19:46	WG1871167
(S) Toluene-d8	104			75.0-131		06/03/2022 04:33	WG1872633
(S) 4-Bromofluorobenzene	101			67.0-138		05/28/2022 19:46	WG1871167
(S) 4-Bromofluorobenzene	102			67.0-138		06/03/2022 04:33	WG1872633
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		05/28/2022 19:46	WG1871167
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/03/2022 04:33	WG1872633

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	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	35500		379	1000	1	05/25/2022 16:36	WG1869454
Nitrate	U		48.0	100	1	05/25/2022 16:36	WG1869454
Sulfate	81200		594	5000	1	05/25/2022 16:36	WG1869454

1 Cp

2 Tc

3 Ss

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)	2070	<u>B</u>	102	1000	1	06/11/2022 21:41	WG1877986

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	72.0		0.287	0.678	1	05/30/2022 14:48	WG1871510
Ethane	U	<u>P1</u>	0.296	1.29	1	05/30/2022 14:48	WG1871510
Ethene	0.988	<u>J</u>	0.422	1.27	1	05/30/2022 14:48	WG1871510

6 Qc

7 Gl

8 Al

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	19.5		0.548	1.00	1	06/03/2022 05:11	WG1873640
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 05:11	WG1873640
Benzene	U		0.0160	0.0400	1	06/03/2022 05:11	WG1873640
Bromobenzene	U		0.0420	0.500	1	06/03/2022 05:11	WG1873640
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 05:11	WG1873640
Bromoform	U		0.239	1.00	1	06/03/2022 05:11	WG1873640
Bromomethane	U	<u>C3</u>	0.148	0.500	1	06/03/2022 05:11	WG1873640
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 05:11	WG1873640
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 05:11	WG1873640
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 05:11	WG1873640
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 05:11	WG1873640
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 05:11	WG1873640
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 05:11	WG1873640
Chloroethane	U		0.0432	0.200	1	06/03/2022 05:11	WG1873640
Chloroform	U		0.0166	0.100	1	06/03/2022 05:11	WG1873640
Chloromethane	U		0.0556	0.500	1	06/03/2022 05:11	WG1873640
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 05:11	WG1873640
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 05:11	WG1873640
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2022 05:11	WG1873640
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 05:11	WG1873640
Dibromomethane	U		0.0400	0.200	1	06/03/2022 05:11	WG1873640
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 05:11	WG1873640
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 05:11	WG1873640
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 05:11	WG1873640
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 05:11	WG1873640
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 05:11	WG1873640
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 05:11	WG1873640
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 05:11	WG1873640
cis-1,2-Dichloroethene	4.18		0.0276	0.100	1	06/03/2022 05:11	WG1873640
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 05:11	WG1873640
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 05:11	WG1873640
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 05:11	WG1873640
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 05:11	WG1873640
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 05:11	WG1873640
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 05:11	WG1873640

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
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 05:11	WG1873640
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 05:11	WG1873640
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 05:11	WG1873640
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2022 05:11	WG1873640
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 05:11	WG1873640
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 05:11	WG1873640
2-Butanone (MEK)	95.9		0.500	1.00	1	06/03/2022 05:11	WG1873640
Methylene Chloride	U		0.265	1.00	1	06/03/2022 05:11	WG1873640
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 05:11	WG1873640
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 05:11	WG1873640
Naphthalene	U		0.124	0.500	1	06/03/2022 05:11	WG1873640
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 05:11	WG1873640
Styrene	U		0.109	0.500	1	06/03/2022 05:11	WG1873640
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 05:11	WG1873640
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 05:11	WG1873640
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 05:11	WG1873640
Tetrachloroethene	0.0640	U	0.0280	0.100	1	06/03/2022 05:11	WG1873640
Toluene	0.0690	U	0.0500	0.200	1	06/03/2022 05:11	WG1873640
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2022 05:11	WG1873640
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2022 05:11	WG1873640
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 05:11	WG1873640
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 05:11	WG1873640
Trichloroethene	0.921		0.0160	0.0400	1	06/03/2022 05:11	WG1873640
Trichlorofluoromethane	U	C3	0.0200	0.100	1	06/03/2022 05:11	WG1873640
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 05:11	WG1873640
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 05:11	WG1873640
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 05:11	WG1873640
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 05:11	WG1873640
Vinyl chloride	2.08		0.0273	0.100	1	06/03/2022 05:11	WG1873640
Xylenes, Total	U		0.191	0.260	1	06/03/2022 05:11	WG1873640
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 05:11	WG1873640
Tetrahydrofuran	49.5	C3	0.0900	0.500	1	06/03/2022 05:11	WG1873640
Iodomethane	U		0.242	0.500	1	06/03/2022 05:11	WG1873640
Allyl chloride	U		0.580	1.00	1	06/03/2022 05:11	WG1873640
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 05:11	WG1873640
(S) Toluene-d8	107			75.0-131		06/03/2022 05:11	WG1873640
(S) 4-Bromofluorobenzene	100			67.0-138		06/03/2022 05:11	WG1873640
(S) 1,2-Dichloroethane-d4	98.1			70.0-130		06/03/2022 05:11	WG1873640

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

Method Blank (MB)

(MB) R3796837-1 05/25/22 10:03

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Chloride	U		379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1497495-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1497495-03 05/25/22 16:36 • (DUP) R3796837-3 05/25/22 16:49

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	35500	35500	1	0.0868		15
Nitrate	U	U	1	0.000		15
Sulfate	81200	81200	1	0.0720		15

L1497513-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1497513-01 05/25/22 21:05 • (DUP) R3796837-8 05/25/22 21:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	550000	555000	1	0.937	E	15
Nitrate	4770	4820	1	1.12		15
Sulfate	27800	28100	1	1.16		15

Laboratory Control Sample (LCS)

(LCS) R3796837-2 05/25/22 10:16

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Chloride	40000	40800	102	80.0-120	
Nitrate	8000	8120	101	80.0-120	
Sulfate	40000	41200	103	80.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1497495-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1497495-03 05/25/22 16:36 • (MS) R3796837-4 05/25/22 17:02 • (MSD) R3796837-5 05/25/22 17:15

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 %
Chloride	50000	35500	85200	85100	99.5	99.3	1	80.0-120			0.129	15
Nitrate	5000	U	5070	5060	101	101	1	80.0-120			0.0533	15
Sulfate	50000	81200	128000	128000	93.8	93.6	1	80.0-120	<u>E</u>	<u>E</u>	0.0840	15

L1497516-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1497516-02 05/25/22 18:57 • (MS) R3796837-6 05/25/22 19:23 • (MSD) R3796837-7 05/25/22 19:36

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 %
Chloride	50000	92900	139000	140000	91.8	94.9	1	80.0-120	<u>E</u>	<u>E</u>	1.11	15
Nitrate	5000	2900	7750	7930	96.9	101	1	80.0-120			2.30	15
Sulfate	50000	214000	253000	255000	77.0	80.4	1	80.0-120	<u>E V</u>	<u>E</u>	0.674	15

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

Method Blank (MB)

(MB) R3802430-2 06/11/22 13:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	449	↓	102	1000

1 Cp

2 Tc

3 Ss

L1497402-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1497402-01 06/11/22 18:29 • (DUP) R3802430-5 06/11/22 18:48

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	9050	8760	1	3.31		20

4 Cn

5 Sr

L1497506-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1497506-02 06/11/22 22:11 • (DUP) R3802430-6 06/11/22 22:24

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	2900	2410	1	18.2		20

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R3802430-1 06/11/22 13:14

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	73900	98.5	85.0-115	

9 Sc

L1497371-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1497371-02 06/11/22 17:04 • (MS) R3802430-3 06/11/22 17:29 • (MSD) R3802430-4 06/11/22 17:52

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	11600	61900	61900	101	101	1	80.0-120			0.0323	20

Method Blank (MB)

(MB) R3802858-2 06/13/22 15:15

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1497865-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1497865-05 06/13/22 18:31 • (DUP) R3802858-3 06/13/22 18:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	426000	420000	10	1.30		20

L1498046-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1498046-01 06/13/22 22:13 • (DUP) R3802858-8 06/13/22 22:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	1060	830	1	24.0	P1	20

Laboratory Control Sample (LCS)

(LCS) R3802858-1 06/13/22 15:03

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	78500	105	85.0-115	

L1497917-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1497917-01 06/13/22 19:14 • (MS) R3802858-4 06/13/22 19:31 • (MSD) R3802858-5 06/13/22 19:52

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	2570	54900	54900	105	105	1	80.0-120			0.109	20

L1497917-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1497917-03 06/13/22 20:46 • (MS) R3802858-6 06/13/22 21:03 • (MSD) R3802858-7 06/13/22 21:23

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	2650	55500	56400	106	107	1	80.0-120			1.65	20

Method Blank (MB)

(MB) R3797457-2 05/30/22 14:08

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

L1497495-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1497495-03 05/30/22 14:48 • (DUP) R3797457-3 05/30/22 14:51

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	72.0	77.0	1	6.71		20
Ethane	U	0.347	1	0.000	J P1	20
Ethene	0.988	1.09	1	200	J	20

L1497903-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1497903-01 05/30/22 15:38 • (DUP) R3797457-4 05/30/22 15:41

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
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) R3797457-1 05/30/22 14:06 • (LCSD) R3797457-7 05/30/22 15:51

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	65.6	76.8	96.8	113	85.0-115			15.7	20
Ethane	129	116	130	89.9	101	85.0-115			11.4	20
Ethene	127	117	131	92.1	103	85.0-115			11.3	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1497516-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1497516-02 05/30/22 14:58 • (MS) R3797457-5 05/30/22 15:44 • (MSD) R3797457-6 05/30/22 15:47

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 %
Methane	67.8	U	73.9	74.8	109	110	1	85.0-115			1.21	20
Ethane	129	U	128	129	99.2	100	1	85.0-115			0.778	20
Ethene	127	U	129	130	102	102	1	85.0-115			0.772	20

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

Method Blank (MB)

(MB) R3798125-3 05/28/22 04:57

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
1,1-Dichloroethane	U		0.0230	0.100
1,2-Dichloroethane	U		0.0190	0.100
1,1-Dichloroethene	U		0.0200	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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100
p-Isopropyltoluene	U		0.0932	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3798125-3 05/28/22 04:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	102			75.0-131
(S) 4-Bromofluorobenzene	102			67.0-138
(S) 1,2-Dichloroethane-d4	103			70.0-130

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

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

(LCS) R3798125-1 05/28/22 03:22 • (LCSD) R3798125-2 05/28/22 03:41

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 %
Acetone	25.0	16.8	16.0	67.2	64.0	10.0-160			4.88	31
Acrylonitrile	25.0	19.3	16.7	77.2	66.8	45.0-153			14.4	22

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

(LCS) R3798125-1 05/28/22 03:22 • (LCSD) R3798125-2 05/28/22 03:41

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 %
Benzene	5.00	4.81	4.45	96.2	89.0	70.0-123			7.78	20
Bromobenzene	5.00	4.28	4.48	85.6	89.6	73.0-121			4.57	20
Bromodichloromethane	5.00	5.13	4.80	103	96.0	73.0-121			6.65	20
Bromoform	5.00	4.05	3.89	81.0	77.8	64.0-132			4.03	20
Bromomethane	5.00	4.35	4.15	87.0	83.0	56.0-147			4.71	20
n-Butylbenzene	5.00	4.42	4.42	88.4	88.4	68.0-135			0.000	20
sec-Butylbenzene	5.00	4.50	4.54	90.0	90.8	74.0-130			0.885	20
tert-Butylbenzene	5.00	3.89	4.15	77.8	83.0	75.0-127			6.47	20
Carbon tetrachloride	5.00	5.07	4.65	101	93.0	66.0-128			8.64	20
Chlorobenzene	5.00	4.71	4.41	94.2	88.2	76.0-128			6.58	20
Chlorodibromomethane	5.00	4.53	4.38	90.6	87.6	74.0-127			3.37	20
Chloroethane	5.00	5.69	5.35	114	107	61.0-134			6.16	20
Chloroform	5.00	5.25	4.86	105	97.2	72.0-123			7.72	20
Chloromethane	5.00	6.45	5.64	129	113	51.0-138			13.4	20
2-Chlorotoluene	5.00	4.05	4.06	81.0	81.2	75.0-124			0.247	20
4-Chlorotoluene	5.00	4.06	4.18	81.2	83.6	75.0-124			2.91	20
1,2-Dibromo-3-Chloropropane	5.00	3.22	3.33	64.4	66.6	59.0-130			3.36	20
1,2-Dibromoethane	5.00	4.59	4.21	91.8	84.2	74.0-128			8.64	20
Dibromomethane	5.00	4.89	4.38	97.8	87.6	75.0-122			11.0	20
1,2-Dichlorobenzene	5.00	4.80	4.43	96.0	88.6	76.0-124			8.02	20
1,3-Dichlorobenzene	5.00	4.82	4.53	96.4	90.6	76.0-125			6.20	20
1,4-Dichlorobenzene	5.00	4.72	4.45	94.4	89.0	77.0-121			5.89	20
Dichlorodifluoromethane	5.00	5.08	4.56	102	91.2	43.0-156			10.8	20
1,1-Dichloroethane	5.00	4.96	4.58	99.2	91.6	70.0-127			7.97	20
1,2-Dichloroethane	5.00	5.25	4.78	105	95.6	65.0-131			9.37	20
1,1-Dichloroethene	5.00	5.10	4.75	102	95.0	65.0-131			7.11	20
trans-1,2-Dichloroethene	5.00	5.62	5.14	112	103	71.0-125			8.92	20
1,2-Dichloropropane	5.00	4.42	4.23	88.4	84.6	74.0-125			4.39	20
1,1-Dichloropropene	5.00	5.57	5.14	111	103	73.0-125			8.03	20
1,3-Dichloropropane	5.00	4.51	4.13	90.2	82.6	80.0-125			8.80	20
cis-1,3-Dichloropropene	5.00	4.64	4.40	92.8	88.0	76.0-127			5.31	20
trans-1,3-Dichloropropene	5.00	4.38	4.04	87.6	80.8	73.0-127			8.08	20
2,2-Dichloropropane	5.00	5.26	5.06	105	101	59.0-135			3.88	20
Di-isopropyl ether	5.00	4.94	4.53	98.8	90.6	60.0-136			8.66	20
Ethylbenzene	5.00	4.61	4.28	92.2	85.6	74.0-126			7.42	20
Hexachloro-1,3-butadiene	5.00	5.40	5.50	108	110	57.0-150			1.83	20
Isopropylbenzene	5.00	4.97	4.64	99.4	92.8	72.0-127			6.87	20
p-Isopropyltoluene	5.00	4.15	4.02	83.0	80.4	72.0-133			3.18	20
2-Butanone (MEK)	25.0	21.1	20.5	84.4	82.0	30.0-160			2.88	24
Methylene Chloride	5.00	4.74	4.43	94.8	88.6	68.0-123			6.76	20

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

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

(LCS) R3798125-1 05/28/22 03:22 • (LCSD) R3798125-2 05/28/22 03:41

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 %
4-Methyl-2-pentanone (MIBK)	25.0	21.8	19.9	87.2	79.6	56.0-143			9.11	20
Methyl tert-butyl ether	5.00	5.22	4.75	104	95.0	66.0-132			9.43	20
Naphthalene	5.00	3.95	4.20	79.0	84.0	59.0-130			6.13	20
n-Propylbenzene	5.00	4.33	4.41	86.6	88.2	74.0-126			1.83	20
Styrene	5.00	4.68	4.33	93.6	86.6	72.0-127			7.77	20
1,1,1,2-Tetrachloroethane	5.00	4.63	4.37	92.6	87.4	74.0-129			5.78	20
1,1,2,2-Tetrachloroethane	5.00	3.77	3.72	75.4	74.4	68.0-128			1.34	20
1,1,2-Trichlorotrifluoroethane	5.00	5.17	4.75	103	95.0	61.0-139			8.47	20
Tetrachloroethene	5.00	5.41	5.05	108	101	70.0-136			6.88	20
Toluene	5.00	4.86	4.45	97.2	89.0	75.0-121			8.81	20
1,2,3-Trichlorobenzene	5.00	4.06	4.60	81.2	92.0	59.0-139			12.5	20
1,2,4-Trichlorobenzene	5.00	5.37	5.26	107	105	62.0-137			2.07	20
1,1,1-Trichloroethane	5.00	5.86	5.46	117	109	69.0-126			7.07	20
1,1,2-Trichloroethane	5.00	4.69	4.50	93.8	90.0	78.0-123			4.13	20
Trichloroethene	5.00	5.72	5.39	114	108	76.0-126			5.94	20
Trichlorofluoromethane	5.00	4.92	4.72	98.4	94.4	61.0-142			4.15	20
1,2,3-Trichloropropane	5.00	3.96	4.18	79.2	83.6	67.0-129			5.41	20
1,2,4-Trimethylbenzene	5.00	4.46	4.31	89.2	86.2	70.0-126			3.42	20
1,2,3-Trimethylbenzene	5.00	4.25	4.12	85.0	82.4	74.0-124			3.11	20
1,3,5-Trimethylbenzene	5.00	3.99	4.19	79.8	83.8	73.0-127			4.89	20
Xylenes, Total	15.0	14.1	12.9	94.0	86.0	72.0-127			8.89	20
Ethyl ether	5.00	4.58	4.24	91.6	84.8	64.0-137			7.71	20
Tetrahydrofuran	5.00	4.17	3.91	83.4	78.2	37.0-146			6.44	24
Iodomethane	25.0	28.1	26.3	112	105	74.0-134			6.62	20
Allyl chloride	25.0	25.2	23.6	101	94.4	70.0-131			6.56	20
trans-1,4-Dichloro-2-butene	5.00	2.76	3.09	55.2	61.8	45.0-143			11.3	20
(S) Toluene-d8				99.6	98.6	75.0-131				
(S) 4-Bromofluorobenzene				102	102	67.0-138				
(S) 1,2-Dichloroethane-d4				111	108	70.0-130				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3799142-2 06/03/22 03:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	110			75.0-131
(S) 4-Bromofluorobenzene	99.3			67.0-138
(S) 1,2-Dichloroethane-d4	102			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3799142-1 06/03/22 02:21

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
cis-1,2-Dichloroethene	5.00	4.48	89.6	73.0-125	
Vinyl chloride	5.00	4.85	97.0	63.0-134	
(S) Toluene-d8			106	75.0-131	
(S) 4-Bromofluorobenzene			97.2	67.0-138	
(S) 1,2-Dichloroethane-d4			104	70.0-130	

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

Method Blank (MB)

(MB) R3799143-2 06/03/22 03:17

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3799143-2 06/03/22 03:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	110			75.0-131
(S) 4-Bromofluorobenzene	99.3			67.0-138
(S) 1,2-Dichloroethane-d4	102			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3799143-1 06/03/22 02:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetone	25.0	27.7	111	10.0-160	
Acrylonitrile	25.0	23.7	94.8	45.0-153	
Benzene	5.00	4.56	91.2	70.0-123	
Bromobenzene	5.00	4.79	95.8	73.0-121	
Bromodichloromethane	5.00	4.70	94.0	73.0-121	
Bromoform	5.00	4.84	96.8	64.0-132	
Bromomethane	5.00	3.71	74.2	56.0-147	
n-Butylbenzene	5.00	4.95	99.0	68.0-135	
sec-Butylbenzene	5.00	4.86	97.2	74.0-130	
tert-Butylbenzene	5.00	4.82	96.4	75.0-127	
Carbon tetrachloride	5.00	5.49	110	66.0-128	
Chlorobenzene	5.00	4.71	94.2	76.0-128	
Chlorodibromomethane	5.00	4.84	96.8	74.0-127	
Chloroethane	5.00	4.11	82.2	61.0-134	
Chloroform	5.00	4.60	92.0	72.0-123	
Chloromethane	5.00	5.04	101	51.0-138	
2-Chlorotoluene	5.00	4.82	96.4	75.0-124	
4-Chlorotoluene	5.00	4.70	94.0	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.76	95.2	59.0-130	
1,2-Dibromoethane	5.00	4.80	96.0	74.0-128	
Dibromomethane	5.00	4.72	94.4	75.0-122	
1,2-Dichlorobenzene	5.00	5.15	103	76.0-124	
1,3-Dichlorobenzene	5.00	4.84	96.8	76.0-125	
1,4-Dichlorobenzene	5.00	4.81	96.2	77.0-121	
Dichlorodifluoromethane	5.00	4.20	84.0	43.0-156	
1,1-Dichloroethane	5.00	4.60	92.0	70.0-127	
1,2-Dichloroethane	5.00	4.79	95.8	65.0-131	
1,1-Dichloroethene	5.00	4.92	98.4	65.0-131	
cis-1,2-Dichloroethene	5.00	4.48	89.6	73.0-125	
trans-1,2-Dichloroethene	5.00	4.42	88.4	71.0-125	
1,2-Dichloropropane	5.00	5.11	102	74.0-125	
1,1-Dichloropropene	5.00	4.88	97.6	73.0-125	
1,3-Dichloropropane	5.00	4.85	97.0	80.0-125	
cis-1,3-Dichloropropene	5.00	4.57	91.4	76.0-127	
trans-1,3-Dichloropropene	5.00	4.53	90.6	73.0-127	
2,2-Dichloropropane	5.00	4.59	91.8	59.0-135	
Di-isopropyl ether	5.00	4.37	87.4	60.0-136	
Ethylbenzene	5.00	4.58	91.6	74.0-126	
Hexachloro-1,3-butadiene	5.00	5.43	109	57.0-150	
Isopropylbenzene	5.00	4.74	94.8	72.0-127	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3799143-1 06/03/22 02:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
p-Isopropyltoluene	5.00	4.88	97.6	72.0-133	
2-Butanone (MEK)	25.0	27.7	111	30.0-160	
Methylene Chloride	5.00	4.82	96.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	27.0	108	56.0-143	
Methyl tert-butyl ether	5.00	4.34	86.8	66.0-132	
Naphthalene	5.00	5.30	106	59.0-130	
n-Propylbenzene	5.00	5.09	102	74.0-126	
Styrene	5.00	4.43	88.6	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.66	93.2	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	4.34	86.8	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.23	84.6	61.0-139	
Tetrachloroethene	5.00	4.96	99.2	70.0-136	
Toluene	5.00	4.63	92.6	75.0-121	
1,2,3-Trichlorobenzene	5.00	5.55	111	59.0-139	
1,2,4-Trichlorobenzene	5.00	5.39	108	62.0-137	
1,1,1-Trichloroethane	5.00	4.76	95.2	69.0-126	
1,1,2-Trichloroethane	5.00	4.55	91.0	78.0-123	
Trichloroethene	5.00	4.94	98.8	76.0-126	
Trichlorofluoromethane	5.00	3.82	76.4	61.0-142	
1,2,3-Trichloropropane	5.00	4.58	91.6	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.51	90.2	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.56	91.2	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.59	91.8	73.0-127	
Vinyl chloride	5.00	4.85	97.0	63.0-134	
Xylenes, Total	15.0	14.0	93.3	72.0-127	
Ethyl ether	5.00	4.54	90.8	64.0-137	
Tetrahydrofuran	5.00	3.27	65.4	37.0-146	
Iodomethane	25.0	23.7	94.8	74.0-134	
Allyl chloride	25.0	23.6	94.4	70.0-131	
trans-1,4-Dichloro-2-butene	5.00	4.36	87.2	45.0-143	
<i>(S) Toluene-d8</i>			106	75.0-131	
<i>(S) 4-Bromofluorobenzene</i>			97.2	67.0-138	
<i>(S) 1,2-Dichloroethane-d4</i>			104	70.0-130	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1498478-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1498478-04 06/03/22 09:17 • (MS) R3799143-3 06/03/22 11:11 • (MSD) R3799143-4 06/03/22 11:30

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 %
Acetone	25.0	U	23.6	25.9	94.4	104	1	10.0-160			9.29	40
Acrylonitrile	25.0	U	25.1	27.2	100	109	1	10.0-160			8.03	40
Benzene	5.00	U	5.70	5.23	114	105	1	10.0-149			8.60	37
Bromobenzene	5.00	U	5.85	5.57	117	111	1	10.0-156			4.90	38
Bromodichloromethane	5.00	U	5.87	5.22	117	104	1	10.0-143			11.7	37
Bromoform	5.00	U	4.90	4.78	98.0	95.6	1	10.0-146			2.48	36
Bromomethane	5.00	U	4.24	4.05	84.8	81.0	1	10.0-149			4.58	38
n-Butylbenzene	5.00	U	5.51	5.66	110	113	1	10.0-160			2.69	40
sec-Butylbenzene	5.00	U	5.73	5.65	115	113	1	10.0-159			1.41	39
tert-Butylbenzene	5.00	U	5.72	5.87	114	117	1	10.0-156			2.59	39
Carbon tetrachloride	5.00	U	7.23	6.96	145	139	1	10.0-145			3.81	37
Chlorobenzene	5.00	U	5.26	5.09	105	102	1	10.0-152			3.29	39
Chlorodibromomethane	5.00	U	5.43	5.01	109	100	1	10.0-146			8.05	37
Chloroethane	5.00	U	5.04	5.21	101	104	1	10.0-146			3.32	40
Chloroform	5.00	0.166	5.71	5.47	111	106	1	10.0-146			4.29	37
Chloromethane	5.00	U	6.27	6.03	125	121	1	10.0-159			3.90	37
2-Chlorotoluene	5.00	U	5.58	5.32	112	106	1	10.0-159			4.77	38
4-Chlorotoluene	5.00	U	5.57	5.30	111	106	1	10.0-155			4.97	39
1,2-Dibromo-3-Chloropropane	5.00	U	5.08	5.32	102	106	1	10.0-151			4.62	39
1,2-Dibromoethane	5.00	U	5.45	5.36	109	107	1	10.0-148			1.67	34
Dibromomethane	5.00	U	5.32	5.15	106	103	1	10.0-147			3.25	35
1,2-Dichlorobenzene	5.00	U	5.33	5.27	107	105	1	10.0-155			1.13	37
1,3-Dichlorobenzene	5.00	U	5.32	5.13	106	103	1	10.0-153			3.64	38
1,4-Dichlorobenzene	5.00	U	5.17	5.07	103	101	1	10.0-151			1.95	38
Dichlorodifluoromethane	5.00	U	6.15	5.85	123	117	1	10.0-160			5.00	35
1,1-Dichloroethane	5.00	0.134	5.64	5.78	110	113	1	10.0-147			2.45	37
1,2-Dichloroethane	5.00	U	5.48	5.29	110	106	1	10.0-148			3.53	35
1,1-Dichloroethene	5.00	U	6.15	6.21	123	124	1	10.0-155			0.971	37
cis-1,2-Dichloroethene	5.00	0.0480	5.60	5.52	111	109	1	10.0-149			1.44	37
trans-1,2-Dichloroethene	5.00	U	5.27	5.34	105	107	1	10.0-150			1.32	37
1,2-Dichloropropane	5.00	U	6.02	5.73	120	115	1	10.0-148			4.94	37
1,1-Dichloropropene	5.00	U	6.52	5.70	130	114	1	10.0-153			13.4	35
1,3-Dichloropropane	5.00	U	5.63	5.11	113	102	1	10.0-154			9.68	35
cis-1,3-Dichloropropene	5.00	U	5.39	4.97	108	99.4	1	10.0-151			8.11	37
trans-1,3-Dichloropropene	5.00	U	5.24	4.90	105	98.0	1	10.0-148			6.71	37
2,2-Dichloropropane	5.00	U	5.67	5.91	113	118	1	10.0-138			4.15	36
Di-isopropyl ether	5.00	U	5.31	5.22	106	104	1	10.0-147			1.71	36
Ethylbenzene	5.00	U	5.52	5.04	110	101	1	10.0-160			9.09	38
Hexachloro-1,3-butadiene	5.00	U	4.96	5.41	99.2	108	1	10.0-160			8.68	40
Isopropylbenzene	5.00	U	5.39	5.34	108	107	1	10.0-155			0.932	38

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1498478-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1498478-04 06/03/22 09:17 • (MS) R3799143-3 06/03/22 11:11 • (MSD) R3799143-4 06/03/22 11:30

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 %
p-Isopropyltoluene	5.00	U	5.68	5.58	114	112	1	10.0-160			1.78	40
2-Butanone (MEK)	25.0	U	34.2	34.8	137	139	1	10.0-160			1.74	40
Methylene Chloride	5.00	U	5.06	5.26	101	105	1	10.0-141			3.88	37
4-Methyl-2-pentanone (MIBK)	25.0	U	30.5	30.2	122	121	1	10.0-160			0.988	35
Methyl tert-butyl ether	5.00	U	5.17	5.18	103	104	1	11.0-147			0.193	35
Naphthalene	5.00	U	4.64	4.92	92.8	98.4	1	10.0-160			5.86	36
n-Propylbenzene	5.00	U	6.19	5.88	124	118	1	10.0-158			5.14	38
Styrene	5.00	U	5.04	4.86	101	97.2	1	10.0-160			3.64	40
1,1,1,2-Tetrachloroethane	5.00	U	5.10	5.15	102	103	1	10.0-149			0.976	39
1,1,2,2-Tetrachloroethane	5.00	U	5.60	5.55	112	111	1	10.0-160			0.897	35
1,1,2-Trichlorotrifluoroethane	5.00	U	6.01	5.80	120	116	1	10.0-160			3.56	36
Tetrachloroethene	5.00	U	5.30	5.36	106	107	1	10.0-156			1.13	39
Toluene	5.00	U	5.42	5.23	108	105	1	10.0-156			3.57	38
1,2,3-Trichlorobenzene	5.00	U	4.71	5.13	94.2	103	1	10.0-160			8.54	40
1,2,4-Trichlorobenzene	5.00	U	4.56	4.67	91.2	93.4	1	10.0-160			2.38	40
1,1,1-Trichloroethane	5.00	0.147	6.37	6.14	124	120	1	10.0-144			3.68	35
1,1,2-Trichloroethane	5.00	U	5.61	5.13	112	103	1	10.0-160			8.94	35
Trichloroethene	5.00	0.461	6.47	5.86	120	108	1	10.0-156			9.89	38
Trichlorofluoromethane	5.00	U	5.04	4.54	101	90.8	1	10.0-160			10.4	40
1,2,3-Trichloropropane	5.00	U	5.80	5.64	116	113	1	10.0-156			2.80	35
1,2,4-Trimethylbenzene	5.00	U	5.21	5.09	104	102	1	10.0-160			2.33	36
1,2,3-Trimethylbenzene	5.00	U	5.12	5.07	102	101	1	10.0-160			0.981	36
1,3,5-Trimethylbenzene	5.00	U	5.27	5.17	105	103	1	10.0-160			1.92	38
Vinyl chloride	5.00	U	6.36	6.29	127	126	1	10.0-160			1.11	37
Xylenes, Total	15.0	U	15.7	14.7	105	98.0	1	10.0-160			6.58	38
Ethyl ether	5.00	U	5.06	4.93	101	98.6	1	10.0-160			2.60	31
Tetrahydrofuran	5.00	U	3.08	5.04	61.6	101	1	10.0-158		J3	48.3	33
Iodomethane	25.0	U	28.0	27.4	112	110	1	10.0-160			2.17	38
Allyl chloride	25.0	U	28.1	27.7	112	111	1	10.0-160			1.43	30
trans-1,4-Dichloro-2-butene	5.00	U	2.84	3.87	56.8	77.4	1	10.0-152			30.7	36
(S) Toluene-d8					104	103		75.0-131				
(S) 4-Bromofluorobenzene					91.6	94.7		67.0-138				
(S) 1,2-Dichloroethane-d4					108	105		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

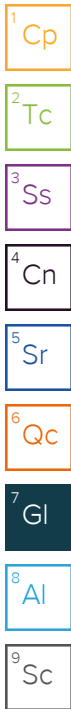
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
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.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
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.
J3	The associated batch QC was outside the established quality control range for precision.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

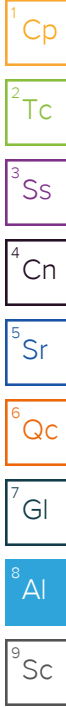
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122


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 1 of 1			
Report to: Brian O'Neal/Bill Haldeman		Email To: Shannon.McKernan@nv5.com;brian.oneal@nv5										 PEOPLE ADVANCING SCIENCE MT JULIET, TN <small>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</small>			
Project Description: American Linen		City/State Collected: SEATTLE WA		Please Circle: PT MT CT ET								SDG # L497495 L-159 Template: T207758 Prelogin: P919183 PM: 546 - Jared Starkey PB: Shipped Via:			
Phone: 206-529-3980		Client Project # 443018-1413001.05.60		Lab Project # PESENVSWA-ALP		v8260ULLC 40miamb-HCl RSK-175 TOC Nitrate, Sulfate, Chloride									
Collected by (print): RTM		Site/Facility ID #		P.O. # 443018-1413001.05.601											
Collected by (signature): <i>RTM</i>		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day		Quote #								Date Results Needed		No. of Cntrs	
Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>															
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs		Remarks		Sample # (lab only)					
Mw-971-052422	Grab	GW	-	5/24/22	1100	7	X	X	X	X	-01				
HMW-9IB-052422	Grab	GW	-	5/24/22	1225	7	X	X	X	X	-02				
Mw-346-052422	Grab	GW	-	5/24/22	1425	7	X	X	X	X	-03				
		GW													
		GW													
		GW													
		GW													
		GW													
		GW													
		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: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N							
Samples returned via: UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier _____		Tracking # 5318 9957 9383													
Relinquished by: (Signature) <i>[Signature]</i>	Date: 5/24/22	Time: 1530	Received by: (Signature) <i>[Signature]</i>		Trip Blank Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> HCL / MeOH TBR										
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Time:	Received by: (Signature)		Temp: °C 24±0.24 21		Bottles Received:		If preservation required by Login: Date/Time						
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>		Date: 5/25/22 Time: 9.00		Hold:		Condition: NCF / QK						

PES Environmental, Inc.- WA

Sample Delivery Group: L1499204
Samples Received: 05/28/2022
Project Number: 443018-1413001.10.70
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:



Jason Romer
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 www.pacenational.com

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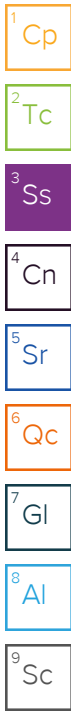
¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

MW-304-052522 L1499204-01 GW

Collected by RTM Collected date/time 05/25/22 09:52 Received date/time 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1874160	1	06/03/22 20:15	06/03/22 20:15	JHH	Mt. Juliet, TN



MW-303-052522 L1499204-02 GW

Collected by RTM Collected date/time 05/25/22 10:10 Received date/time 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1874160	1	06/03/22 20:34	06/03/22 20:34	JHH	Mt. Juliet, TN

MW-138-052522 L1499204-03 GW

Collected by RTM Collected date/time 05/25/22 10:50 Received date/time 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1882486	1	06/22/22 04:00	06/22/22 04:00	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1879835	1	06/15/22 21:18	06/15/22 21:18	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1875415	20	06/13/22 18:04	06/21/22 12:53	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1873923	1	06/03/22 15:55	06/03/22 15:55	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1874160	1	06/03/22 20:52	06/03/22 20:52	JHH	Mt. Juliet, TN

MW-160-052522 L1499204-04 GW

Collected by RTM Collected date/time 05/25/22 12:25 Received date/time 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1882486	1	06/22/22 04:30	06/22/22 04:30	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1879835	1	06/15/22 21:59	06/15/22 21:59	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1875415	20	06/13/22 18:04	06/21/22 12:49	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1873923	1	06/03/22 16:00	06/03/22 16:00	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1874160	1	06/03/22 21:11	06/03/22 21:11	JHH	Mt. Juliet, TN

MW-330-052522 L1499204-05 GW

Collected by RTM Collected date/time 05/25/22 14:12 Received date/time 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1874160	1	06/03/22 21:30	06/03/22 21:30	JHH	Mt. Juliet, TN

EQ-052522 L1499204-06 GW

Collected by RTM Collected date/time 05/25/22 14:40 Received date/time 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1882486	1	06/22/22 05:17	06/22/22 05:17	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1879835	1	06/15/22 22:28	06/15/22 22:28	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1875419	1	06/13/22 22:01	06/21/22 19:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1873923	1	06/03/22 16:03	06/03/22 16:03	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1874160	1	06/03/22 21:49	06/03/22 21:49	JHH	Mt. Juliet, TN

SAMPLE SUMMARY

MW-348-052622 L1499204-07 GW

Collected by RTM Collected date/time 05/26/22 09:41 Received date/time 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1882486	1	06/22/22 05:32	06/22/22 05:32	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1879835	1	06/15/22 22:41	06/15/22 22:41	VRP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1874346	1	06/07/22 10:31	06/07/22 10:31	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1875288	1	06/08/22 00:31	06/08/22 00:31	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1876438	10	06/09/22 02:14	06/09/22 02:14	DWR	Mt. Juliet, TN



MW-349-052622 L1499204-08 GW

Collected by RTM Collected date/time 05/26/22 09:50 Received date/time 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1882486	1	06/22/22 05:47	06/22/22 05:47	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1879835	20	06/15/22 22:59	06/15/22 22:59	VRP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1874346	1	06/07/22 10:47	06/07/22 10:47	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1875288	1	06/08/22 02:25	06/08/22 02:25	ADM	Mt. Juliet, TN



MW-347-052622 L1499204-09 GW

Collected by RTM Collected date/time 05/26/22 11:05 Received date/time 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1874220	1	06/04/22 18:46	06/04/22 18:46	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1879835	2	06/15/22 23:15	06/15/22 23:15	VRP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1874346	1	06/07/22 10:51	06/07/22 10:51	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1875288	1	06/08/22 02:44	06/08/22 02:44	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1876438	10	06/09/22 02:33	06/09/22 02:33	DWR	Mt. Juliet, TN



MW-305-052622 L1499204-10 GW

Collected by RTM Collected date/time 05/26/22 11:45 Received date/time 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1874160	1	06/03/22 22:08	06/03/22 22:08	JHH	Mt. Juliet, TN

MW-307-052622 L1499204-11 GW

Collected by RTM Collected date/time 05/26/22 12:30 Received date/time 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1875288	1	06/08/22 03:03	06/08/22 03:03	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1876438	1	06/09/22 01:17	06/09/22 01:17	DWR	Mt. Juliet, TN

MW-306-052622 L1499204-12 GW

Collected by RTM Collected date/time 05/26/22 12:35 Received date/time 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1874160	1	06/03/22 22:27	06/03/22 22:27	JHH	Mt. Juliet, TN

SAMPLE SUMMARY

MW-156-052622 L1499204-13 GW

Collected by: RTM
 Collected date/time: 05/26/22 06:20
 Received date/time: 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1882486	10	06/22/22 06:34	06/22/22 06:34	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1880781	1	06/16/22 21:53	06/16/22 21:53	KMO	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1875419	50	06/13/22 22:01	06/21/22 23:20	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1874346	1	06/07/22 11:09	06/07/22 11:09	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1875670	10	06/07/22 14:13	06/07/22 14:13	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1874160	1	06/03/22 22:46	06/03/22 22:46	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1875475	20	06/08/22 01:47	06/08/22 01:47	ADM	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-142-052622 L1499204-14 GW

Collected by: RTM
 Collected date/time: 05/26/22 07:20
 Received date/time: 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1883650	1	06/22/22 23:47	06/22/22 23:47	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1880781	1	06/16/22 22:57	06/16/22 22:57	KMO	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1875419	50	06/13/22 22:01	06/21/22 23:23	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1874346	1	06/07/22 11:13	06/07/22 11:13	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1875670	10	06/07/22 14:19	06/07/22 14:19	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1874160	1	06/03/22 23:05	06/03/22 23:05	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1875475	1	06/08/22 00:50	06/08/22 00:50	ADM	Mt. Juliet, TN

TB-052622 L1499204-15 GW

Collected by: RTM
 Collected date/time: 05/26/22 00:00
 Received date/time: 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1874160	1	06/03/22 18:41	06/03/22 18:41	JHH	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.



Jason Romer
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	U		0.548	1.00	1	06/03/2022 20:15	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 20:15	WG1874160
Benzene	U		0.0160	0.0400	1	06/03/2022 20:15	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 20:15	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 20:15	WG1874160
Bromoform	U	C3	0.239	1.00	1	06/03/2022 20:15	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 20:15	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 20:15	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 20:15	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 20:15	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 20:15	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 20:15	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 20:15	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 20:15	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 20:15	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 20:15	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 20:15	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 20:15	WG1874160
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/03/2022 20:15	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 20:15	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 20:15	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 20:15	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 20:15	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 20:15	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 20:15	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 20:15	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 20:15	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 20:15	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 20:15	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 20:15	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 20:15	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 20:15	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 20:15	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 20:15	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 20:15	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 20:15	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 20:15	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 20:15	WG1874160
Hexachloro-1,3-butadiene	U	C3 J4	0.508	1.00	1	06/03/2022 20:15	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 20:15	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 20:15	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 20:15	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 20:15	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 20:15	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 20:15	WG1874160
Naphthalene	U	C3	0.124	0.500	1	06/03/2022 20:15	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 20:15	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 20:15	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 20:15	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 20:15	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 20:15	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 20:15	WG1874160
Toluene	0.0810	J	0.0500	0.200	1	06/03/2022 20:15	WG1874160
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	06/03/2022 20:15	WG1874160
1,2,4-Trichlorobenzene	U	C4 J4	0.193	0.500	1	06/03/2022 20:15	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 20:15	WG1874160

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 20:15	WG1874160
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 20:15	WG1874160
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 20:15	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 20:15	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 20:15	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 20:15	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 20:15	WG1874160
Vinyl chloride	U		0.0273	0.100	1	06/03/2022 20:15	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 20:15	WG1874160
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 20:15	WG1874160
Tetrahydrofuran	0.341	U	0.0900	0.500	1	06/03/2022 20:15	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 20:15	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 20:15	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 20:15	WG1874160
(S) Toluene-d8	111			75.0-131		06/03/2022 20:15	WG1874160
(S) 4-Bromofluorobenzene	97.9			67.0-138		06/03/2022 20:15	WG1874160
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/03/2022 20:15	WG1874160

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	06/03/2022 20:34	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 20:34	WG1874160
Benzene	U		0.0160	0.0400	1	06/03/2022 20:34	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 20:34	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 20:34	WG1874160
Bromoform	U	C3	0.239	1.00	1	06/03/2022 20:34	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 20:34	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 20:34	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 20:34	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 20:34	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 20:34	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 20:34	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 20:34	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 20:34	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 20:34	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 20:34	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 20:34	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 20:34	WG1874160
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/03/2022 20:34	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 20:34	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 20:34	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 20:34	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 20:34	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 20:34	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 20:34	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 20:34	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 20:34	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 20:34	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 20:34	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 20:34	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 20:34	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 20:34	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 20:34	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 20:34	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 20:34	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 20:34	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 20:34	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 20:34	WG1874160
Hexachloro-1,3-butadiene	U	C3 J4	0.508	1.00	1	06/03/2022 20:34	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 20:34	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 20:34	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 20:34	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 20:34	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 20:34	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 20:34	WG1874160
Naphthalene	U	C3	0.124	0.500	1	06/03/2022 20:34	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 20:34	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 20:34	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 20:34	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 20:34	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 20:34	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 20:34	WG1874160
Toluene	0.0680	J	0.0500	0.200	1	06/03/2022 20:34	WG1874160
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	06/03/2022 20:34	WG1874160
1,2,4-Trichlorobenzene	U	C4 J4	0.193	0.500	1	06/03/2022 20:34	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 20:34	WG1874160

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 20:34	WG1874160
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 20:34	WG1874160
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 20:34	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 20:34	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 20:34	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 20:34	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 20:34	WG1874160
Vinyl chloride	U		0.0273	0.100	1	06/03/2022 20:34	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 20:34	WG1874160
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 20:34	WG1874160
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 20:34	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 20:34	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 20:34	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 20:34	WG1874160
(S) Toluene-d8	111			75.0-131		06/03/2022 20:34	WG1874160
(S) 4-Bromofluorobenzene	97.5			67.0-138		06/03/2022 20:34	WG1874160
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/03/2022 20:34	WG1874160

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	65100		594	5000	1	06/22/2022 04:00	WG1882486

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)	848	<u>B</u>	102	1000	1	06/15/2022 21:18	WG1879835

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	22500		562	2000	20	06/21/2022 12:53	WG1875415
Manganese	792		14.1	100	20	06/21/2022 12:53	WG1875415

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	47.3		0.287	0.678	1	06/03/2022 15:55	WG1873923
Ethane	0.741	<u>J</u>	0.296	1.29	1	06/03/2022 15:55	WG1873923
Ethene	0.728	<u>J</u>	0.422	1.27	1	06/03/2022 15:55	WG1873923

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	18.4		0.548	1.00	1	06/03/2022 20:52	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 20:52	WG1874160
Benzene	U		0.0160	0.0400	1	06/03/2022 20:52	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 20:52	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 20:52	WG1874160
Bromoform	U	<u>C3</u>	0.239	1.00	1	06/03/2022 20:52	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 20:52	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 20:52	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 20:52	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 20:52	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 20:52	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 20:52	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 20:52	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 20:52	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 20:52	WG1874160
Chloromethane	U	<u>J4</u>	0.0556	0.500	1	06/03/2022 20:52	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 20:52	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 20:52	WG1874160
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	06/03/2022 20:52	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 20:52	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 20:52	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 20:52	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 20:52	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 20:52	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 20:52	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 20:52	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 20:52	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 20:52	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 20:52	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 20:52	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 20:52	WG1874160

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
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 20:52	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 20:52	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 20:52	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 20:52	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 20:52	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 20:52	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 20:52	WG1874160
Hexachloro-1,3-butadiene	U	C3 J4	0.508	1.00	1	06/03/2022 20:52	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 20:52	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 20:52	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 20:52	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 20:52	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 20:52	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 20:52	WG1874160
Naphthalene	U	C3	0.124	0.500	1	06/03/2022 20:52	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 20:52	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 20:52	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 20:52	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 20:52	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 20:52	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 20:52	WG1874160
Toluene	U		0.0500	0.200	1	06/03/2022 20:52	WG1874160
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	06/03/2022 20:52	WG1874160
1,2,4-Trichlorobenzene	U	C4 J4	0.193	0.500	1	06/03/2022 20:52	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 20:52	WG1874160
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 20:52	WG1874160
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 20:52	WG1874160
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 20:52	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 20:52	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 20:52	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 20:52	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 20:52	WG1874160
Vinyl chloride	U		0.0273	0.100	1	06/03/2022 20:52	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 20:52	WG1874160
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 20:52	WG1874160
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 20:52	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 20:52	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 20:52	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 20:52	WG1874160
(S) Toluene-d8	112			75.0-131		06/03/2022 20:52	WG1874160
(S) 4-Bromofluorobenzene	97.5			67.0-138		06/03/2022 20:52	WG1874160
(S) 1,2-Dichloroethane-d4	105			70.0-130		06/03/2022 20:52	WG1874160

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2410	J	594	5000	1	06/22/2022 04:30	WG1882486

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)	1070	B	102	1000	1	06/15/2022 21:59	WG1879835

Metals (ICPMS) by Method 6020B

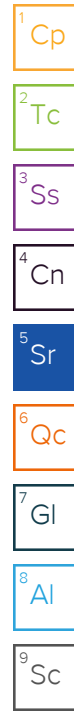
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	29400		562	2000	20	06/21/2022 12:49	WG1875415
Manganese	796		14.1	100	20	06/21/2022 12:49	WG1875415

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	165		0.287	0.678	1	06/03/2022 16:00	WG1873923
Ethane	U		0.296	1.29	1	06/03/2022 16:00	WG1873923
Ethene	U		0.422	1.27	1	06/03/2022 16:00	WG1873923

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	06/03/2022 21:11	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 21:11	WG1874160
Benzene	U		0.0160	0.0400	1	06/03/2022 21:11	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 21:11	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 21:11	WG1874160
Bromoform	U	C3	0.239	1.00	1	06/03/2022 21:11	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 21:11	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 21:11	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 21:11	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 21:11	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 21:11	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 21:11	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 21:11	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 21:11	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 21:11	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 21:11	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 21:11	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 21:11	WG1874160
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/03/2022 21:11	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 21:11	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 21:11	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 21:11	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 21:11	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 21:11	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 21:11	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 21:11	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 21:11	WG1874160
1,1-Dichloroethene	0.0300	J	0.0200	0.100	1	06/03/2022 21:11	WG1874160
cis-1,2-Dichloroethene	1.71		0.0276	0.100	1	06/03/2022 21:11	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 21:11	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 21:11	WG1874160



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	06/03/2022 21:11	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 21:11	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 21:11	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 21:11	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 21:11	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 21:11	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 21:11	WG1874160
Hexachloro-1,3-butadiene	U	C3 J4	0.508	1.00	1	06/03/2022 21:11	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 21:11	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 21:11	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 21:11	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 21:11	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 21:11	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 21:11	WG1874160
Naphthalene	U	C3	0.124	0.500	1	06/03/2022 21:11	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 21:11	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 21:11	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 21:11	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 21:11	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 21:11	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 21:11	WG1874160
Toluene	0.111	J	0.0500	0.200	1	06/03/2022 21:11	WG1874160
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	06/03/2022 21:11	WG1874160
1,2,4-Trichlorobenzene	U	C4 J4	0.193	0.500	1	06/03/2022 21:11	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 21:11	WG1874160
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 21:11	WG1874160
Trichloroethene	0.0660		0.0160	0.0400	1	06/03/2022 21:11	WG1874160
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 21:11	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 21:11	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 21:11	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 21:11	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 21:11	WG1874160
Vinyl chloride	0.749	C5	0.0273	0.100	1	06/03/2022 21:11	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 21:11	WG1874160
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 21:11	WG1874160
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 21:11	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 21:11	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 21:11	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 21:11	WG1874160
(S) Toluene-d8	114			75.0-131		06/03/2022 21:11	WG1874160
(S) 4-Bromofluorobenzene	96.3			67.0-138		06/03/2022 21:11	WG1874160
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/03/2022 21:11	WG1874160

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	06/03/2022 21:30	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 21:30	WG1874160
Benzene	U		0.0160	0.0400	1	06/03/2022 21:30	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 21:30	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 21:30	WG1874160
Bromoform	U	C3	0.239	1.00	1	06/03/2022 21:30	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 21:30	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 21:30	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 21:30	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 21:30	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 21:30	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 21:30	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 21:30	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 21:30	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 21:30	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 21:30	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 21:30	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 21:30	WG1874160
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/03/2022 21:30	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 21:30	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 21:30	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 21:30	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 21:30	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 21:30	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 21:30	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 21:30	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 21:30	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 21:30	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 21:30	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 21:30	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 21:30	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 21:30	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 21:30	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 21:30	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 21:30	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 21:30	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 21:30	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 21:30	WG1874160
Hexachloro-1,3-butadiene	U	C3 J4	0.508	1.00	1	06/03/2022 21:30	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 21:30	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 21:30	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 21:30	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 21:30	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 21:30	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 21:30	WG1874160
Naphthalene	U	C3	0.124	0.500	1	06/03/2022 21:30	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 21:30	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 21:30	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 21:30	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 21:30	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 21:30	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 21:30	WG1874160
Toluene	0.0900	J	0.0500	0.200	1	06/03/2022 21:30	WG1874160
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	06/03/2022 21:30	WG1874160
1,2,4-Trichlorobenzene	U	C4 J4	0.193	0.500	1	06/03/2022 21:30	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 21:30	WG1874160

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 21:30	WG1874160
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 21:30	WG1874160
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 21:30	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 21:30	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 21:30	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 21:30	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 21:30	WG1874160
Vinyl chloride	U		0.0273	0.100	1	06/03/2022 21:30	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 21:30	WG1874160
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 21:30	WG1874160
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 21:30	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 21:30	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 21:30	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 21:30	WG1874160
(S) Toluene-d8	113			75.0-131		06/03/2022 21:30	WG1874160
(S) 4-Bromofluorobenzene	99.3			67.0-138		06/03/2022 21:30	WG1874160
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/03/2022 21:30	WG1874160

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	06/22/2022 05:17	WG1882486

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)	185	<u>B</u> <u>J</u>	102	1000	1	06/15/2022 22:28	WG1879835

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	06/21/2022 19:50	WG1875419
Manganese	U		0.704	5.00	1	06/21/2022 19:50	WG1875419

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	9.34		0.287	0.678	1	06/03/2022 16:03	WG1873923
Ethane	0.542	<u>J</u>	0.296	1.29	1	06/03/2022 16:03	WG1873923
Ethene	U		0.422	1.27	1	06/03/2022 16:03	WG1873923

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	2.54		0.548	1.00	1	06/03/2022 21:49	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 21:49	WG1874160
Benzene	U		0.0160	0.0400	1	06/03/2022 21:49	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 21:49	WG1874160
Bromodichloromethane	0.125		0.0315	0.100	1	06/03/2022 21:49	WG1874160
Bromoform	U	<u>C3</u>	0.239	1.00	1	06/03/2022 21:49	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 21:49	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 21:49	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 21:49	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 21:49	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 21:49	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 21:49	WG1874160
Chlorodibromomethane	0.0510	<u>J</u>	0.0180	0.100	1	06/03/2022 21:49	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 21:49	WG1874160
Chloroform	0.144		0.0166	0.100	1	06/03/2022 21:49	WG1874160
Chloromethane	U	<u>J4</u>	0.0556	0.500	1	06/03/2022 21:49	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 21:49	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 21:49	WG1874160
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	06/03/2022 21:49	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 21:49	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 21:49	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 21:49	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 21:49	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 21:49	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 21:49	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 21:49	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 21:49	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 21:49	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 21:49	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 21:49	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 21:49	WG1874160

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
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 21:49	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 21:49	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 21:49	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 21:49	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 21:49	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 21:49	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 21:49	WG1874160
Hexachloro-1,3-butadiene	U	C3 J4	0.508	1.00	1	06/03/2022 21:49	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 21:49	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 21:49	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 21:49	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 21:49	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 21:49	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 21:49	WG1874160
Naphthalene	U	C3	0.124	0.500	1	06/03/2022 21:49	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 21:49	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 21:49	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 21:49	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 21:49	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 21:49	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 21:49	WG1874160
Toluene	0.0940	J	0.0500	0.200	1	06/03/2022 21:49	WG1874160
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	06/03/2022 21:49	WG1874160
1,2,4-Trichlorobenzene	U	C4 J4	0.193	0.500	1	06/03/2022 21:49	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 21:49	WG1874160
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 21:49	WG1874160
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 21:49	WG1874160
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 21:49	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 21:49	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 21:49	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 21:49	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 21:49	WG1874160
Vinyl chloride	U		0.0273	0.100	1	06/03/2022 21:49	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 21:49	WG1874160
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 21:49	WG1874160
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 21:49	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 21:49	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 21:49	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 21:49	WG1874160
(S) Toluene-d8	111			75.0-131		06/03/2022 21:49	WG1874160
(S) 4-Bromofluorobenzene	98.1			67.0-138		06/03/2022 21:49	WG1874160
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/03/2022 21:49	WG1874160

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

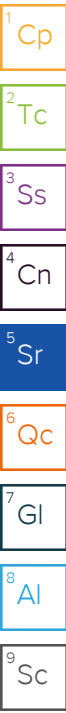
7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	40600		379	1000	1	06/22/2022 05:32	WG1882486
Nitrate	54.6	J T8	48.0	100	1	06/22/2022 05:32	WG1882486
Sulfate	60000		594	5000	1	06/22/2022 05:32	WG1882486



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)	1840	B	102	1000	1	06/15/2022 22:41	WG1879835

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	310		0.287	0.678	1	06/07/2022 10:31	WG1874346
Ethane	U		0.296	1.29	1	06/07/2022 10:31	WG1874346
Ethene	20.0		0.422	1.27	1	06/07/2022 10:31	WG1874346

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	5.02		0.548	1.00	1	06/08/2022 00:31	WG1875288
Acrylonitrile	U		0.0760	0.500	1	06/08/2022 00:31	WG1875288
Benzene	0.0460		0.0160	0.0400	1	06/08/2022 00:31	WG1875288
Bromobenzene	U		0.0420	0.500	1	06/08/2022 00:31	WG1875288
Bromodichloromethane	U		0.0315	0.100	1	06/08/2022 00:31	WG1875288
Bromoform	U		0.239	1.00	1	06/08/2022 00:31	WG1875288
Bromomethane	U	C3	0.148	0.500	1	06/08/2022 00:31	WG1875288
n-Butylbenzene	U		0.153	0.500	1	06/08/2022 00:31	WG1875288
sec-Butylbenzene	U		0.101	0.500	1	06/08/2022 00:31	WG1875288
tert-Butylbenzene	U		0.0620	0.200	1	06/08/2022 00:31	WG1875288
Carbon tetrachloride	U		0.0432	0.200	1	06/08/2022 00:31	WG1875288
Chlorobenzene	U		0.0229	0.100	1	06/08/2022 00:31	WG1875288
Chlorodibromomethane	U		0.0180	0.100	1	06/08/2022 00:31	WG1875288
Chloroethane	U	C3	0.0432	0.200	1	06/08/2022 00:31	WG1875288
Chloroform	U		0.0166	0.100	1	06/08/2022 00:31	WG1875288
Chloromethane	U		0.0556	0.500	1	06/08/2022 00:31	WG1875288
2-Chlorotoluene	U		0.0368	0.100	1	06/08/2022 00:31	WG1875288
4-Chlorotoluene	U		0.0452	0.200	1	06/08/2022 00:31	WG1875288
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/08/2022 00:31	WG1875288
1,2-Dibromoethane	U		0.0210	0.100	1	06/08/2022 00:31	WG1875288
Dibromomethane	U		0.0400	0.200	1	06/08/2022 00:31	WG1875288
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/08/2022 00:31	WG1875288
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/08/2022 00:31	WG1875288
1,4-Dichlorobenzene	U	C3	0.0788	0.200	1	06/08/2022 00:31	WG1875288
Dichlorodifluoromethane	U		0.0327	0.100	1	06/08/2022 00:31	WG1875288
1,1-Dichloroethane	0.138		0.0230	0.100	1	06/08/2022 00:31	WG1875288
1,2-Dichloroethane	U		0.0190	0.100	1	06/08/2022 00:31	WG1875288
1,1-Dichloroethene	1.96		0.0200	0.100	1	06/08/2022 00:31	WG1875288
cis-1,2-Dichloroethene	160		0.276	1.00	10	06/09/2022 02:14	WG1876438
trans-1,2-Dichloroethene	0.150	J	0.0572	0.200	1	06/08/2022 00:31	WG1875288
1,2-Dichloropropane	U		0.0508	0.200	1	06/08/2022 00:31	WG1875288
1,1-Dichloropropene	U		0.0280	0.100	1	06/08/2022 00:31	WG1875288
1,3-Dichloropropane	U		0.0700	0.200	1	06/08/2022 00:31	WG1875288
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/08/2022 00:31	WG1875288
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/08/2022 00:31	WG1875288

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
2,2-Dichloropropane	U		0.0317	0.100	1	06/08/2022 00:31	WG1875288
Di-isopropyl ether	U		0.0140	0.0400	1	06/08/2022 00:31	WG1875288
Ethylbenzene	U		0.0212	0.100	1	06/08/2022 00:31	WG1875288
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/08/2022 00:31	WG1875288
Isopropylbenzene	U		0.0345	0.100	1	06/08/2022 00:31	WG1875288
p-Isopropyltoluene	U		0.0932	0.200	1	06/08/2022 00:31	WG1875288
2-Butanone (MEK)	35.0		0.500	1.00	1	06/08/2022 00:31	WG1875288
Methylene Chloride	U		0.265	1.00	1	06/08/2022 00:31	WG1875288
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/08/2022 00:31	WG1875288
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/08/2022 00:31	WG1875288
Naphthalene	U		0.124	0.500	1	06/08/2022 00:31	WG1875288
n-Propylbenzene	U		0.0472	0.200	1	06/08/2022 00:31	WG1875288
Styrene	U		0.109	0.500	1	06/08/2022 00:31	WG1875288
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/08/2022 00:31	WG1875288
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/08/2022 00:31	WG1875288
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/08/2022 00:31	WG1875288
Tetrachloroethene	6.62		0.0280	0.100	1	06/08/2022 00:31	WG1875288
Toluene	0.0950	U	0.0500	0.200	1	06/08/2022 00:31	WG1875288
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/08/2022 00:31	WG1875288
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/08/2022 00:31	WG1875288
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/08/2022 00:31	WG1875288
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/08/2022 00:31	WG1875288
Trichloroethene	14.0		0.0160	0.0400	1	06/08/2022 00:31	WG1875288
Trichlorofluoromethane	U	C3	0.0200	0.100	1	06/08/2022 00:31	WG1875288
1,2,3-Trichloropropane	U		0.204	0.500	1	06/08/2022 00:31	WG1875288
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/08/2022 00:31	WG1875288
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/08/2022 00:31	WG1875288
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/08/2022 00:31	WG1875288
Vinyl chloride	126		0.273	1.00	10	06/09/2022 02:14	WG1876438
Xylenes, Total	U		0.191	0.260	1	06/08/2022 00:31	WG1875288
Ethyl Ether	U	C3	0.0170	0.100	1	06/08/2022 00:31	WG1875288
Tetrahydrofuran	14.1		0.0900	0.500	1	06/08/2022 00:31	WG1875288
Iodomethane	U		0.242	0.500	1	06/08/2022 00:31	WG1875288
Allyl chloride	U		0.580	1.00	1	06/08/2022 00:31	WG1875288
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/08/2022 00:31	WG1875288
(S) Toluene-d8	107			75.0-131		06/08/2022 00:31	WG1875288
(S) Toluene-d8	101			75.0-131		06/09/2022 02:14	WG1876438
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/08/2022 00:31	WG1875288
(S) 4-Bromofluorobenzene	94.3			67.0-138		06/09/2022 02:14	WG1876438
(S) 1,2-Dichloroethane-d4	107			70.0-130		06/08/2022 00:31	WG1875288
(S) 1,2-Dichloroethane-d4	116			70.0-130		06/09/2022 02:14	WG1876438

- 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	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	78200		379	1000	1	06/22/2022 05:47	WG1882486
Nitrate	59.7	J T8	48.0	100	1	06/22/2022 05:47	WG1882486
Sulfate	U		594	5000	1	06/22/2022 05:47	WG1882486

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)	621000		2040	20000	20	06/15/2022 22:59	WG1879835

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	926		0.287	0.678	1	06/07/2022 10:47	WG1874346
Ethane	4.29		0.296	1.29	1	06/07/2022 10:47	WG1874346
Ethene	15.8		0.422	1.27	1	06/07/2022 10:47	WG1874346

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	06/08/2022 02:25	WG1875288
Acrylonitrile	U		0.0760	0.500	1	06/08/2022 02:25	WG1875288
Benzene	U		0.0160	0.0400	1	06/08/2022 02:25	WG1875288
Bromobenzene	U		0.0420	0.500	1	06/08/2022 02:25	WG1875288
Bromodichloromethane	U		0.0315	0.100	1	06/08/2022 02:25	WG1875288
Bromoform	U		0.239	1.00	1	06/08/2022 02:25	WG1875288
Bromomethane	U	C3	0.148	0.500	1	06/08/2022 02:25	WG1875288
n-Butylbenzene	U		0.153	0.500	1	06/08/2022 02:25	WG1875288
sec-Butylbenzene	U		0.101	0.500	1	06/08/2022 02:25	WG1875288
tert-Butylbenzene	U		0.0620	0.200	1	06/08/2022 02:25	WG1875288
Carbon tetrachloride	U		0.0432	0.200	1	06/08/2022 02:25	WG1875288
Chlorobenzene	U		0.0229	0.100	1	06/08/2022 02:25	WG1875288
Chlorodibromomethane	U		0.0180	0.100	1	06/08/2022 02:25	WG1875288
Chloroethane	U	C3	0.0432	0.200	1	06/08/2022 02:25	WG1875288
Chloroform	0.0700	J	0.0166	0.100	1	06/08/2022 02:25	WG1875288
Chloromethane	U		0.0556	0.500	1	06/08/2022 02:25	WG1875288
2-Chlorotoluene	U		0.0368	0.100	1	06/08/2022 02:25	WG1875288
4-Chlorotoluene	U		0.0452	0.200	1	06/08/2022 02:25	WG1875288
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/08/2022 02:25	WG1875288
1,2-Dibromoethane	U		0.0210	0.100	1	06/08/2022 02:25	WG1875288
Dibromomethane	U		0.0400	0.200	1	06/08/2022 02:25	WG1875288
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/08/2022 02:25	WG1875288
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/08/2022 02:25	WG1875288
1,4-Dichlorobenzene	U	C3	0.0788	0.200	1	06/08/2022 02:25	WG1875288
Dichlorodifluoromethane	U		0.0327	0.100	1	06/08/2022 02:25	WG1875288
1,1-Dichloroethane	U		0.0230	0.100	1	06/08/2022 02:25	WG1875288
1,2-Dichloroethane	U		0.0190	0.100	1	06/08/2022 02:25	WG1875288
1,1-Dichloroethene	U		0.0200	0.100	1	06/08/2022 02:25	WG1875288
cis-1,2-Dichloroethene	23.0		0.0276	0.100	1	06/08/2022 02:25	WG1875288
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/08/2022 02:25	WG1875288
1,2-Dichloropropane	U		0.0508	0.200	1	06/08/2022 02:25	WG1875288
1,1-Dichloropropene	U		0.0280	0.100	1	06/08/2022 02:25	WG1875288
1,3-Dichloropropane	U		0.0700	0.200	1	06/08/2022 02:25	WG1875288
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/08/2022 02:25	WG1875288
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/08/2022 02:25	WG1875288

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
2,2-Dichloropropane	U		0.0317	0.100	1	06/08/2022 02:25	WG1875288
Di-isopropyl ether	U		0.0140	0.0400	1	06/08/2022 02:25	WG1875288
Ethylbenzene	U		0.0212	0.100	1	06/08/2022 02:25	WG1875288
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/08/2022 02:25	WG1875288
Isopropylbenzene	U		0.0345	0.100	1	06/08/2022 02:25	WG1875288
p-Isopropyltoluene	U		0.0932	0.200	1	06/08/2022 02:25	WG1875288
2-Butanone (MEK)	38.5		0.500	1.00	1	06/08/2022 02:25	WG1875288
Methylene Chloride	U		0.265	1.00	1	06/08/2022 02:25	WG1875288
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/08/2022 02:25	WG1875288
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/08/2022 02:25	WG1875288
Naphthalene	U		0.124	0.500	1	06/08/2022 02:25	WG1875288
n-Propylbenzene	U		0.0472	0.200	1	06/08/2022 02:25	WG1875288
Styrene	U		0.109	0.500	1	06/08/2022 02:25	WG1875288
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/08/2022 02:25	WG1875288
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/08/2022 02:25	WG1875288
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/08/2022 02:25	WG1875288
Tetrachloroethene	0.105		0.0280	0.100	1	06/08/2022 02:25	WG1875288
Toluene	0.312		0.0500	0.200	1	06/08/2022 02:25	WG1875288
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/08/2022 02:25	WG1875288
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/08/2022 02:25	WG1875288
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/08/2022 02:25	WG1875288
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/08/2022 02:25	WG1875288
Trichloroethene	0.146		0.0160	0.0400	1	06/08/2022 02:25	WG1875288
Trichlorofluoromethane	U	C3	0.0200	0.100	1	06/08/2022 02:25	WG1875288
1,2,3-Trichloropropane	U		0.204	0.500	1	06/08/2022 02:25	WG1875288
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/08/2022 02:25	WG1875288
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/08/2022 02:25	WG1875288
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/08/2022 02:25	WG1875288
Vinyl chloride	30.9		0.0273	0.100	1	06/08/2022 02:25	WG1875288
Xylenes, Total	U		0.191	0.260	1	06/08/2022 02:25	WG1875288
Ethyl Ether	U	C3	0.0170	0.100	1	06/08/2022 02:25	WG1875288
Tetrahydrofuran	U		0.0900	0.500	1	06/08/2022 02:25	WG1875288
Iodomethane	U		0.242	0.500	1	06/08/2022 02:25	WG1875288
Allyl chloride	U		0.580	1.00	1	06/08/2022 02:25	WG1875288
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/08/2022 02:25	WG1875288
(S) Toluene-d8	107			75.0-131		06/08/2022 02:25	WG1875288
(S) 4-Bromofluorobenzene	92.7			67.0-138		06/08/2022 02:25	WG1875288
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/08/2022 02:25	WG1875288

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	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	33700		379	1000	1	06/04/2022 18:46	WG1874220
Nitrate	U	T8	48.0	100	1	06/04/2022 18:46	WG1874220
Sulfate	12800		594	5000	1	06/04/2022 18:46	WG1874220

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)	53500		204	2000	2	06/15/2022 23:15	WG1879835

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	176		0.287	0.678	1	06/07/2022 10:51	WG1874346
Ethane	3.17		0.296	1.29	1	06/07/2022 10:51	WG1874346
Ethene	12.3		0.422	1.27	1	06/07/2022 10:51	WG1874346

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	19.3		0.548	1.00	1	06/08/2022 02:44	WG1875288
Acrylonitrile	U		0.0760	0.500	1	06/08/2022 02:44	WG1875288
Benzene	U		0.0160	0.0400	1	06/08/2022 02:44	WG1875288
Bromobenzene	U		0.0420	0.500	1	06/08/2022 02:44	WG1875288
Bromodichloromethane	U		0.0315	0.100	1	06/08/2022 02:44	WG1875288
Bromoform	U		0.239	1.00	1	06/08/2022 02:44	WG1875288
Bromomethane	U	C3	0.148	0.500	1	06/08/2022 02:44	WG1875288
n-Butylbenzene	U		0.153	0.500	1	06/08/2022 02:44	WG1875288
sec-Butylbenzene	U		0.101	0.500	1	06/08/2022 02:44	WG1875288
tert-Butylbenzene	U		0.0620	0.200	1	06/08/2022 02:44	WG1875288
Carbon tetrachloride	U		0.0432	0.200	1	06/08/2022 02:44	WG1875288
Chlorobenzene	U		0.0229	0.100	1	06/08/2022 02:44	WG1875288
Chlorodibromomethane	U		0.0180	0.100	1	06/08/2022 02:44	WG1875288
Chloroethane	U	C3	0.0432	0.200	1	06/08/2022 02:44	WG1875288
Chloroform	U		0.0166	0.100	1	06/08/2022 02:44	WG1875288
Chloromethane	U		0.0556	0.500	1	06/08/2022 02:44	WG1875288
2-Chlorotoluene	U		0.0368	0.100	1	06/08/2022 02:44	WG1875288
4-Chlorotoluene	U		0.0452	0.200	1	06/08/2022 02:44	WG1875288
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/08/2022 02:44	WG1875288
1,2-Dibromoethane	U		0.0210	0.100	1	06/08/2022 02:44	WG1875288
Dibromomethane	U		0.0400	0.200	1	06/08/2022 02:44	WG1875288
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/08/2022 02:44	WG1875288
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/08/2022 02:44	WG1875288
1,4-Dichlorobenzene	U	C3	0.0788	0.200	1	06/08/2022 02:44	WG1875288
Dichlorodifluoromethane	U		0.0327	0.100	1	06/08/2022 02:44	WG1875288
1,1-Dichloroethane	U		0.0230	0.100	1	06/08/2022 02:44	WG1875288
1,2-Dichloroethane	U		0.0190	0.100	1	06/08/2022 02:44	WG1875288
1,1-Dichloroethene	0.484		0.0200	0.100	1	06/08/2022 02:44	WG1875288
cis-1,2-Dichloroethene	148		0.276	1.00	10	06/09/2022 02:33	WG1876438
trans-1,2-Dichloroethene	0.556		0.0572	0.200	1	06/08/2022 02:44	WG1875288
1,2-Dichloropropane	U		0.0508	0.200	1	06/08/2022 02:44	WG1875288
1,1-Dichloropropene	U		0.0280	0.100	1	06/08/2022 02:44	WG1875288
1,3-Dichloropropane	U		0.0700	0.200	1	06/08/2022 02:44	WG1875288
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/08/2022 02:44	WG1875288
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/08/2022 02:44	WG1875288

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
2,2-Dichloropropane	U		0.0317	0.100	1	06/08/2022 02:44	WG1875288
Di-isopropyl ether	U		0.0140	0.0400	1	06/08/2022 02:44	WG1875288
Ethylbenzene	U		0.0212	0.100	1	06/08/2022 02:44	WG1875288
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/08/2022 02:44	WG1875288
Isopropylbenzene	U		0.0345	0.100	1	06/08/2022 02:44	WG1875288
p-Isopropyltoluene	U		0.0932	0.200	1	06/08/2022 02:44	WG1875288
2-Butanone (MEK)	113		0.500	1.00	1	06/08/2022 02:44	WG1875288
Methylene Chloride	U		0.265	1.00	1	06/08/2022 02:44	WG1875288
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/08/2022 02:44	WG1875288
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/08/2022 02:44	WG1875288
Naphthalene	U		0.124	0.500	1	06/08/2022 02:44	WG1875288
n-Propylbenzene	U		0.0472	0.200	1	06/08/2022 02:44	WG1875288
Styrene	U		0.109	0.500	1	06/08/2022 02:44	WG1875288
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/08/2022 02:44	WG1875288
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/08/2022 02:44	WG1875288
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/08/2022 02:44	WG1875288
Tetrachloroethene	0.0770	U	0.0280	0.100	1	06/08/2022 02:44	WG1875288
Toluene	0.0770	U	0.0500	0.200	1	06/08/2022 02:44	WG1875288
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/08/2022 02:44	WG1875288
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/08/2022 02:44	WG1875288
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/08/2022 02:44	WG1875288
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/08/2022 02:44	WG1875288
Trichloroethene	0.225		0.0160	0.0400	1	06/08/2022 02:44	WG1875288
Trichlorofluoromethane	U	C3	0.0200	0.100	1	06/08/2022 02:44	WG1875288
1,2,3-Trichloropropane	U		0.204	0.500	1	06/08/2022 02:44	WG1875288
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/08/2022 02:44	WG1875288
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/08/2022 02:44	WG1875288
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/08/2022 02:44	WG1875288
Vinyl chloride	68.0		0.0273	0.100	1	06/08/2022 02:44	WG1875288
Xylenes, Total	U		0.191	0.260	1	06/08/2022 02:44	WG1875288
Ethyl Ether	U	C3	0.0170	0.100	1	06/08/2022 02:44	WG1875288
Tetrahydrofuran	262		0.900	5.00	10	06/09/2022 02:33	WG1876438
Iodomethane	U		0.242	0.500	1	06/08/2022 02:44	WG1875288
Allyl chloride	U		0.580	1.00	1	06/08/2022 02:44	WG1875288
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/08/2022 02:44	WG1875288
(S) Toluene-d8	108			75.0-131		06/08/2022 02:44	WG1875288
(S) Toluene-d8	101			75.0-131		06/09/2022 02:33	WG1876438
(S) 4-Bromofluorobenzene	96.0			67.0-138		06/08/2022 02:44	WG1875288
(S) 4-Bromofluorobenzene	94.3			67.0-138		06/09/2022 02:33	WG1876438
(S) 1,2-Dichloroethane-d4	104			70.0-130		06/08/2022 02:44	WG1875288
(S) 1,2-Dichloroethane-d4	111			70.0-130		06/09/2022 02:33	WG1876438

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	06/03/2022 22:08	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 22:08	WG1874160
Benzene	U		0.0160	0.0400	1	06/03/2022 22:08	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 22:08	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 22:08	WG1874160
Bromoform	U	C3	0.239	1.00	1	06/03/2022 22:08	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 22:08	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 22:08	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 22:08	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 22:08	WG1874160
Carbon tetrachloride	0.157	J	0.0432	0.200	1	06/03/2022 22:08	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 22:08	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 22:08	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 22:08	WG1874160
Chloroform	0.0740	J	0.0166	0.100	1	06/03/2022 22:08	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 22:08	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 22:08	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 22:08	WG1874160
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/03/2022 22:08	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 22:08	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 22:08	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 22:08	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 22:08	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 22:08	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 22:08	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 22:08	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 22:08	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 22:08	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 22:08	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 22:08	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 22:08	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 22:08	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 22:08	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 22:08	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 22:08	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 22:08	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 22:08	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 22:08	WG1874160
Hexachloro-1,3-butadiene	U	C3 J4	0.508	1.00	1	06/03/2022 22:08	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 22:08	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 22:08	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 22:08	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 22:08	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 22:08	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 22:08	WG1874160
Naphthalene	U	C3	0.124	0.500	1	06/03/2022 22:08	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 22:08	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 22:08	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 22:08	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 22:08	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 22:08	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 22:08	WG1874160
Toluene	U		0.0500	0.200	1	06/03/2022 22:08	WG1874160
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	06/03/2022 22:08	WG1874160
1,2,4-Trichlorobenzene	U	C4 J4	0.193	0.500	1	06/03/2022 22:08	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 22:08	WG1874160

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 22:08	WG1874160
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 22:08	WG1874160
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 22:08	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 22:08	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 22:08	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 22:08	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 22:08	WG1874160
Vinyl chloride	U		0.0273	0.100	1	06/03/2022 22:08	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 22:08	WG1874160
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 22:08	WG1874160
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 22:08	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 22:08	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 22:08	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 22:08	WG1874160
(S) Toluene-d8	113			75.0-131		06/03/2022 22:08	WG1874160
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/03/2022 22:08	WG1874160
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/03/2022 22:08	WG1874160

1
Cp

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Tc

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Ss

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Cn

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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	06/08/2022 03:03	WG1875288
Acrylonitrile	U		0.0760	0.500	1	06/08/2022 03:03	WG1875288
Benzene	U		0.0160	0.0400	1	06/08/2022 03:03	WG1875288
Bromobenzene	U		0.0420	0.500	1	06/08/2022 03:03	WG1875288
Bromodichloromethane	U		0.0315	0.100	1	06/08/2022 03:03	WG1875288
Bromoform	U		0.239	1.00	1	06/08/2022 03:03	WG1875288
Bromomethane	U	C3	0.148	0.500	1	06/08/2022 03:03	WG1875288
n-Butylbenzene	U		0.153	0.500	1	06/08/2022 03:03	WG1875288
sec-Butylbenzene	U		0.101	0.500	1	06/08/2022 03:03	WG1875288
tert-Butylbenzene	U		0.0620	0.200	1	06/08/2022 03:03	WG1875288
Carbon tetrachloride	U		0.0432	0.200	1	06/08/2022 03:03	WG1875288
Chlorobenzene	U		0.0229	0.100	1	06/08/2022 03:03	WG1875288
Chlorodibromomethane	U		0.0180	0.100	1	06/08/2022 03:03	WG1875288
Chloroethane	U	C3	0.0432	0.200	1	06/08/2022 03:03	WG1875288
Chloroform	U		0.0166	0.100	1	06/08/2022 03:03	WG1875288
Chloromethane	U		0.0556	0.500	1	06/08/2022 03:03	WG1875288
2-Chlorotoluene	U		0.0368	0.100	1	06/08/2022 03:03	WG1875288
4-Chlorotoluene	U		0.0452	0.200	1	06/08/2022 03:03	WG1875288
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/08/2022 03:03	WG1875288
1,2-Dibromoethane	U		0.0210	0.100	1	06/08/2022 03:03	WG1875288
Dibromomethane	U		0.0400	0.200	1	06/08/2022 03:03	WG1875288
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/08/2022 03:03	WG1875288
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/08/2022 03:03	WG1875288
1,4-Dichlorobenzene	U	C3	0.0788	0.200	1	06/08/2022 03:03	WG1875288
Dichlorodifluoromethane	U		0.0327	0.100	1	06/08/2022 03:03	WG1875288
1,1-Dichloroethane	U		0.0230	0.100	1	06/08/2022 03:03	WG1875288
1,2-Dichloroethane	U		0.0190	0.100	1	06/08/2022 03:03	WG1875288
1,1-Dichloroethene	U		0.0200	0.100	1	06/08/2022 03:03	WG1875288
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/09/2022 01:17	WG1876438
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/08/2022 03:03	WG1875288
1,2-Dichloropropane	U		0.0508	0.200	1	06/08/2022 03:03	WG1875288
1,1-Dichloropropene	U		0.0280	0.100	1	06/08/2022 03:03	WG1875288
1,3-Dichloropropane	U		0.0700	0.200	1	06/08/2022 03:03	WG1875288
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/08/2022 03:03	WG1875288
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/08/2022 03:03	WG1875288
2,2-Dichloropropane	U		0.0317	0.100	1	06/08/2022 03:03	WG1875288
Di-isopropyl ether	U		0.0140	0.0400	1	06/08/2022 03:03	WG1875288
Ethylbenzene	U		0.0212	0.100	1	06/08/2022 03:03	WG1875288
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/08/2022 03:03	WG1875288
Isopropylbenzene	U		0.0345	0.100	1	06/08/2022 03:03	WG1875288
p-Isopropyltoluene	U		0.0932	0.200	1	06/08/2022 03:03	WG1875288
2-Butanone (MEK)	U		0.500	1.00	1	06/08/2022 03:03	WG1875288
Methylene Chloride	U		0.265	1.00	1	06/08/2022 03:03	WG1875288
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/08/2022 03:03	WG1875288
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/08/2022 03:03	WG1875288
Naphthalene	U		0.124	0.500	1	06/08/2022 03:03	WG1875288
n-Propylbenzene	U		0.0472	0.200	1	06/08/2022 03:03	WG1875288
Styrene	U		0.109	0.500	1	06/08/2022 03:03	WG1875288
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/08/2022 03:03	WG1875288
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/08/2022 03:03	WG1875288
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/08/2022 03:03	WG1875288
Tetrachloroethene	U		0.0280	0.100	1	06/08/2022 03:03	WG1875288
Toluene	0.132	J	0.0500	0.200	1	06/08/2022 03:03	WG1875288
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/08/2022 03:03	WG1875288
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/08/2022 03:03	WG1875288
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/08/2022 03:03	WG1875288

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/08/2022 03:03	WG1875288
Trichloroethene	U		0.0160	0.0400	1	06/08/2022 03:03	WG1875288
Trichlorofluoromethane	U	<u>C3</u>	0.0200	0.100	1	06/08/2022 03:03	WG1875288
1,2,3-Trichloropropane	U		0.204	0.500	1	06/08/2022 03:03	WG1875288
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/08/2022 03:03	WG1875288
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/08/2022 03:03	WG1875288
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/08/2022 03:03	WG1875288
Vinyl chloride	U		0.0273	0.100	1	06/08/2022 03:03	WG1875288
Xylenes, Total	U		0.191	0.260	1	06/08/2022 03:03	WG1875288
Ethyl Ether	U	<u>C3</u>	0.0170	0.100	1	06/08/2022 03:03	WG1875288
Tetrahydrofuran	U		0.0900	0.500	1	06/09/2022 01:17	WG1876438
Iodomethane	U		0.242	0.500	1	06/08/2022 03:03	WG1875288
Allyl chloride	U		0.580	1.00	1	06/08/2022 03:03	WG1875288
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/08/2022 03:03	WG1875288
(S) Toluene-d8	109			75.0-131		06/08/2022 03:03	WG1875288
(S) Toluene-d8	103			75.0-131		06/09/2022 01:17	WG1876438
(S) 4-Bromofluorobenzene	93.9			67.0-138		06/08/2022 03:03	WG1875288
(S) 4-Bromofluorobenzene	95.8			67.0-138		06/09/2022 01:17	WG1876438
(S) 1,2-Dichloroethane-d4	98.4			70.0-130		06/08/2022 03:03	WG1875288
(S) 1,2-Dichloroethane-d4	113			70.0-130		06/09/2022 01:17	WG1876438

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	06/03/2022 22:27	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 22:27	WG1874160
Benzene	U		0.0160	0.0400	1	06/03/2022 22:27	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 22:27	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 22:27	WG1874160
Bromoform	U	C3	0.239	1.00	1	06/03/2022 22:27	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 22:27	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 22:27	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 22:27	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 22:27	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 22:27	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 22:27	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 22:27	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 22:27	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 22:27	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 22:27	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 22:27	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 22:27	WG1874160
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/03/2022 22:27	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 22:27	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 22:27	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 22:27	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 22:27	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 22:27	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 22:27	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 22:27	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 22:27	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 22:27	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 22:27	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 22:27	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 22:27	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 22:27	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 22:27	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 22:27	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 22:27	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 22:27	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 22:27	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 22:27	WG1874160
Hexachloro-1,3-butadiene	U	C3 J4	0.508	1.00	1	06/03/2022 22:27	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 22:27	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 22:27	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 22:27	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 22:27	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 22:27	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 22:27	WG1874160
Naphthalene	U	C3	0.124	0.500	1	06/03/2022 22:27	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 22:27	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 22:27	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 22:27	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 22:27	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 22:27	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 22:27	WG1874160
Toluene	U		0.0500	0.200	1	06/03/2022 22:27	WG1874160
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	06/03/2022 22:27	WG1874160
1,2,4-Trichlorobenzene	U	C4 J4	0.193	0.500	1	06/03/2022 22:27	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 22:27	WG1874160

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 22:27	WG1874160
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 22:27	WG1874160
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 22:27	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 22:27	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 22:27	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 22:27	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 22:27	WG1874160
Vinyl chloride	U		0.0273	0.100	1	06/03/2022 22:27	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 22:27	WG1874160
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 22:27	WG1874160
Tetrahydrofuran	2.04	<u>C5</u>	0.0900	0.500	1	06/03/2022 22:27	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 22:27	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 22:27	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 22:27	WG1874160
(S) Toluene-d8	112			75.0-131		06/03/2022 22:27	WG1874160
(S) 4-Bromofluorobenzene	97.8			67.0-138		06/03/2022 22:27	WG1874160
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/03/2022 22:27	WG1874160

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	50700		5940	50000	10	06/22/2022 06:34	WG1882486

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)	10500		102	1000	1	06/16/2022 21:53	WG1880781

Metals (ICPMS) by Method 6020B

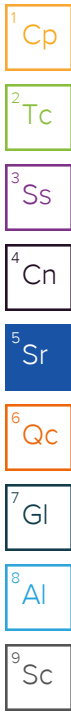
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3800	J	1400	5000	50	06/21/2022 23:20	WG1875419
Manganese	3970		35.2	250	50	06/21/2022 23:20	WG1875419

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	14100		2.87	6.78	10	06/07/2022 14:13	WG1875670
Ethane	44.0		0.296	1.29	1	06/07/2022 11:09	WG1874346
Ethene	1.90		0.422	1.27	1	06/07/2022 11:09	WG1874346

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	2.00		0.548	1.00	1	06/03/2022 22:46	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 22:46	WG1874160
Benzene	0.156		0.0160	0.0400	1	06/03/2022 22:46	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 22:46	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 22:46	WG1874160
Bromoform	U	C3	0.239	1.00	1	06/03/2022 22:46	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 22:46	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 22:46	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 22:46	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 22:46	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 22:46	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 22:46	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 22:46	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 22:46	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 22:46	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 22:46	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 22:46	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 22:46	WG1874160
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/03/2022 22:46	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 22:46	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 22:46	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 22:46	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 22:46	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 22:46	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 22:46	WG1874160
1,1-Dichloroethane	0.126		0.0230	0.100	1	06/03/2022 22:46	WG1874160
1,2-Dichloroethane	0.105		0.0190	0.100	1	06/03/2022 22:46	WG1874160
1,1-Dichloroethene	2.53		0.0200	0.100	1	06/03/2022 22:46	WG1874160
cis-1,2-Dichloroethene	514		0.552	2.00	20	06/08/2022 01:47	WG1875475
trans-1,2-Dichloroethene	2.95		0.0572	0.200	1	06/03/2022 22:46	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 22:46	WG1874160



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	06/03/2022 22:46	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 22:46	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 22:46	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 22:46	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 22:46	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 22:46	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 22:46	WG1874160
Hexachloro-1,3-butadiene	U	C3 J4	0.508	1.00	1	06/03/2022 22:46	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 22:46	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 22:46	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 22:46	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 22:46	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 22:46	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 22:46	WG1874160
Naphthalene	U	C3	0.124	0.500	1	06/03/2022 22:46	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 22:46	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 22:46	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 22:46	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 22:46	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 22:46	WG1874160
Tetrachloroethene	718		0.560	2.00	20	06/08/2022 01:47	WG1875475
Toluene	U		0.0500	0.200	1	06/03/2022 22:46	WG1874160
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	06/03/2022 22:46	WG1874160
1,2,4-Trichlorobenzene	U	C4 J4	0.193	0.500	1	06/03/2022 22:46	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 22:46	WG1874160
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 22:46	WG1874160
Trichloroethene	267		0.320	0.800	20	06/08/2022 01:47	WG1875475
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 22:46	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 22:46	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 22:46	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 22:46	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 22:46	WG1874160
Vinyl chloride	0.716	C5	0.0273	0.100	1	06/03/2022 22:46	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 22:46	WG1874160
Ethyl Ether	0.0570	J	0.0170	0.100	1	06/03/2022 22:46	WG1874160
Tetrahydrofuran	1.75	C5	0.0900	0.500	1	06/03/2022 22:46	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 22:46	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 22:46	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 22:46	WG1874160
(S) Toluene-d8	112			75.0-131		06/03/2022 22:46	WG1874160
(S) Toluene-d8	112			75.0-131		06/08/2022 01:47	WG1875475
(S) 4-Bromofluorobenzene	97.7			67.0-138		06/03/2022 22:46	WG1874160
(S) 4-Bromofluorobenzene	97.4			67.0-138		06/08/2022 01:47	WG1875475
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/03/2022 22:46	WG1874160
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/08/2022 01:47	WG1875475

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	24600		594	5000	1	06/22/2022 23:47	WG1883650

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)	15800		102	1000	1	06/16/2022 22:57	WG1880781

Metals (ICPMS) by Method 6020B

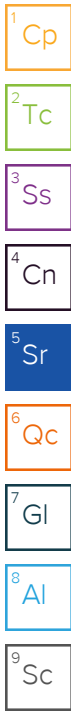
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9620		1400	5000	50	06/21/2022 23:23	WG1875419
Manganese	4770		35.2	250	50	06/21/2022 23:23	WG1875419

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	8710		2.87	6.78	10	06/07/2022 14:19	WG1875670
Ethane	19.7		0.296	1.29	1	06/07/2022 11:13	WG1874346
Ethene	1.53		0.422	1.27	1	06/07/2022 11:13	WG1874346

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	1.74		0.548	1.00	1	06/03/2022 23:05	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 23:05	WG1874160
Benzene	0.207		0.0160	0.0400	1	06/03/2022 23:05	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 23:05	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 23:05	WG1874160
Bromoform	U	<u>C3</u>	0.239	1.00	1	06/03/2022 23:05	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 23:05	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 23:05	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 23:05	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 23:05	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 23:05	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 23:05	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 23:05	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 23:05	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 23:05	WG1874160
Chloromethane	U	<u>J4</u>	0.0556	0.500	1	06/03/2022 23:05	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 23:05	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 23:05	WG1874160
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	06/03/2022 23:05	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 23:05	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 23:05	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 23:05	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 23:05	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 23:05	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 23:05	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 23:05	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 23:05	WG1874160
1,1-Dichloroethene	0.0260	<u>J</u>	0.0200	0.100	1	06/03/2022 23:05	WG1874160
cis-1,2-Dichloroethene	3.24		0.0276	0.100	1	06/08/2022 00:50	WG1875475
trans-1,2-Dichloroethene	0.121	<u>J</u>	0.0572	0.200	1	06/03/2022 23:05	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 23:05	WG1874160



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	06/03/2022 23:05	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 23:05	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 23:05	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 23:05	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 23:05	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 23:05	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 23:05	WG1874160
Hexachloro-1,3-butadiene	U	C3 J4	0.508	1.00	1	06/03/2022 23:05	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 23:05	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 23:05	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 23:05	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 23:05	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 23:05	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 23:05	WG1874160
Naphthalene	U	C3	0.124	0.500	1	06/03/2022 23:05	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 23:05	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 23:05	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 23:05	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 23:05	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 23:05	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/08/2022 00:50	WG1875475
Toluene	U		0.0500	0.200	1	06/03/2022 23:05	WG1874160
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	06/03/2022 23:05	WG1874160
1,2,4-Trichlorobenzene	U	C4 J4	0.193	0.500	1	06/03/2022 23:05	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 23:05	WG1874160
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 23:05	WG1874160
Trichloroethene	0.0870		0.0160	0.0400	1	06/08/2022 00:50	WG1875475
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 23:05	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 23:05	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 23:05	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 23:05	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 23:05	WG1874160
Vinyl chloride	5.76	C5	0.0273	0.100	1	06/03/2022 23:05	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 23:05	WG1874160
Ethyl Ether	0.155	C5	0.0170	0.100	1	06/03/2022 23:05	WG1874160
Tetrahydrofuran	1.11	C5	0.0900	0.500	1	06/03/2022 23:05	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 23:05	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 23:05	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 23:05	WG1874160
(S) Toluene-d8	112			75.0-131		06/03/2022 23:05	WG1874160
(S) Toluene-d8	106			75.0-131		06/08/2022 00:50	WG1875475
(S) 4-Bromofluorobenzene	97.6			67.0-138		06/03/2022 23:05	WG1874160
(S) 4-Bromofluorobenzene	98.3			67.0-138		06/08/2022 00:50	WG1875475
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/03/2022 23:05	WG1874160
(S) 1,2-Dichloroethane-d4	107			70.0-130		06/08/2022 00:50	WG1875475

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	06/03/2022 18:41	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 18:41	WG1874160
Benzene	U		0.0160	0.0400	1	06/03/2022 18:41	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 18:41	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 18:41	WG1874160
Bromoform	U	C3	0.239	1.00	1	06/03/2022 18:41	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 18:41	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 18:41	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 18:41	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 18:41	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 18:41	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 18:41	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 18:41	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 18:41	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 18:41	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 18:41	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 18:41	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 18:41	WG1874160
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/03/2022 18:41	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 18:41	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 18:41	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 18:41	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 18:41	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 18:41	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 18:41	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 18:41	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 18:41	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 18:41	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 18:41	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 18:41	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 18:41	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 18:41	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 18:41	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 18:41	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 18:41	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 18:41	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 18:41	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 18:41	WG1874160
Hexachloro-1,3-butadiene	U	C3 J4	0.508	1.00	1	06/03/2022 18:41	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 18:41	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 18:41	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 18:41	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 18:41	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 18:41	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 18:41	WG1874160
Naphthalene	U	C3	0.124	0.500	1	06/03/2022 18:41	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 18:41	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 18:41	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 18:41	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 18:41	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 18:41	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/03/2022 18:41	WG1874160
Toluene	U		0.0500	0.200	1	06/03/2022 18:41	WG1874160
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	06/03/2022 18:41	WG1874160
1,2,4-Trichlorobenzene	U	C4 J4	0.193	0.500	1	06/03/2022 18:41	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 18:41	WG1874160

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 18:41	WG1874160
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 18:41	WG1874160
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 18:41	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 18:41	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 18:41	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 18:41	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 18:41	WG1874160
Vinyl chloride	U		0.0273	0.100	1	06/03/2022 18:41	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 18:41	WG1874160
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 18:41	WG1874160
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 18:41	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 18:41	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 18:41	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 18:41	WG1874160
(S) Toluene-d8	114			75.0-131		06/03/2022 18:41	WG1874160
(S) 4-Bromofluorobenzene	93.8			67.0-138		06/03/2022 18:41	WG1874160
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/03/2022 18:41	WG1874160

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3799571-1 06/04/22 09:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	U		379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1493061-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1493061-01 06/04/22 11:19 • (DUP) R3799571-3 06/04/22 11:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	1920	1870	1	2.49		15
Nitrate	70.8	71.9	1	1.54	J	15
Sulfate	40500	40600	1	0.279		15

L1499204-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1499204-09 06/04/22 18:46 • (DUP) R3799571-6 06/04/22 18:59

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	33700	34300	1	1.76		15
Nitrate	U	U	1	0.000		15
Sulfate	12800	12800	1	0.309		15

Laboratory Control Sample (LCS)

(LCS) R3799571-2 06/04/22 09:42

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40000	40500	101	80.0-120	
Nitrate	8000	8060	101	80.0-120	
Sulfate	40000	40900	102	80.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1493061-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1493061-01 06/04/22 11:19 • (MS) R3799571-4 06/04/22 11:46 • (MSD) R3799571-5 06/04/22 11:59

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 %
Chloride	50000	1920	53200	53300	103	103	1	80.0-120			0.213	15
Nitrate	5000	70.8	5090	5090	100	100	1	80.0-120			0.0138	15
Sulfate	50000	40500	89200	89600	97.4	98.2	1	80.0-120			0.449	15

L1499204-09 Original Sample (OS) • Matrix Spike (MS)

(OS) L1499204-09 06/04/22 18:46 • (MS) R3799571-7 06/04/22 19:11

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	33700	82800	98.1	1	80.0-120	
Nitrate	5000	U	4870	97.3	1	80.0-120	
Sulfate	50000	12800	61400	97.3	1	80.0-120	

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

Method Blank (MB)

(MB) R3806025-1 06/21/22 23:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	U		379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1499204-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1499204-03 06/22/22 04:00 • (DUP) R3806025-6 06/22/22 04:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	13800	14000	1	1.29		15
Nitrate	49.5	50.7	1	2.40	U	15
Sulfate	65100	65700	1	0.905		15

Laboratory Control Sample (LCS)

(LCS) R3806025-2 06/21/22 23:22

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40000	41200	103	80.0-120	
Nitrate	8000	8440	106	80.0-120	
Sulfate	40000	41000	102	80.0-120	

L1498653-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1498653-05 06/22/22 02:27 • (MS) R3806025-4 06/22/22 02:42 • (MSD) R3806025-5 06/22/22 02:58

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	50000	U	58900	53000	118	106	1	80.0-120			10.5	15
Nitrate	5000	69.6	5970	5360	118	106	1	80.0-120			10.8	15
Sulfate	50000	U	57000	51600	114	103	1	80.0-120			9.96	15

L1499204-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1499204-08 06/22/22 05:47 • (MS) R3806025-7 06/22/22 06:03

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Chloride	50000	78200	128000	98.7	1	80.0-120	E
Nitrate	5000	59.7	5310	105	1	80.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1499204-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1499204-08 06/22/22 05:47 • (MS) R3806025-7 06/22/22 06:03

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Sulfate	50000	U	50900	102	1	80.0-120	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3806844-1 06/22/22 15:42

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1497917-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1497917-06 06/22/22 17:49 • (DUP) R3806844-3 06/22/22 18:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	U	U	1	0.000		15

L1498799-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1498799-06 06/22/22 21:33 • (DUP) R3806844-6 06/22/22 21:48

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	11700	11700	1	0.0486		15

Laboratory Control Sample (LCS)

(LCS) R3806844-2 06/22/22 15:57

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	40900	102	80.0-120	

L1499204-14 Original Sample (OS) • Matrix Spike (MS)

(OS) L1499204-14 06/22/22 23:47 • (MS) R3806844-7 06/23/22 00:02

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	24600	73500	97.8	1	80.0-120	

L1498643-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1498643-02 06/22/22 19:33 • (MS) R3806844-8 06/22/22 20:18 • (MSD) R3806844-9 06/22/22 20:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	8750	59100	59600	101	102	1	80.0-120			0.825	15

Method Blank (MB)

(MB) R3803878-2 06/15/22 14:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	478	↓	102	1000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1498799-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1498799-02 06/15/22 16:45 • (DUP) R3803878-3 06/15/22 16:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	2040	1850	1	9.72		20

L1499204-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1499204-04 06/15/22 21:59 • (DUP) R3803878-8 06/15/22 22:11

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	1070	1090	1	2.59		20

Laboratory Control Sample (LCS)

(LCS) R3803878-1 06/15/22 14:04

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	79000	105	85.0-115	

L1498799-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1498799-04 06/15/22 17:24 • (MS) R3803878-4 06/15/22 17:46 • (MSD) R3803878-5 06/15/22 18:04

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	3350	55900	54900	105	103	1	80.0-120			1.88	20

L1499127-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1499127-01 06/15/22 20:29 • (MS) R3803878-6 06/15/22 20:48 • (MSD) R3803878-7 06/15/22 21:06

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	1720	53700	54100	104	105	1	80.0-120			0.705	20

Method Blank (MB)

(MB) R3804434-2 06/16/22 14:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	117	↓	102	1000

1 Cp

2 Tc

3 Ss

L1499415-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1499415-01 06/16/22 23:09 • (DUP) R3804434-5 06/16/22 23:21

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	911	820	1	10.6	↓	20

4 Cn

5 Sr

L1499415-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1499415-05 06/17/22 01:09 • (DUP) R3804434-6 06/17/22 01:24

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	9000	8930	1	0.848		20

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R3804434-1 06/16/22 14:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	79200	106	85.0-115	

9 Sc

L1499204-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1499204-13 06/16/22 21:53 • (MS) R3804434-3 06/16/22 22:15 • (MSD) R3804434-4 06/16/22 22:36

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	10500	63800	64400	107	108	1	80.0-120			0.890	20

L1499415-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1499415-07 06/17/22 01:59 • (MS) R3804434-7 06/17/22 02:17 • (MSD) R3804434-8 06/17/22 02:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	3220	56000	56300	105	106	1	80.0-120			0.624	20

Method Blank (MB)

(MB) R3805255-1 06/20/22 20:36

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

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R3805255-2 06/20/22 20:39

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	4840	96.8	80.0-120	
Manganese	50.0	51.4	103	80.0-120	

4 Cn

5 Sr

6 Qc

L1499039-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1499039-01 06/20/22 20:42 • (MS) R3805255-4 06/20/22 20:49 • (MSD) R3805255-5 06/20/22 20:52

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	U	4940	5200	98.9	104	1	75.0-125			4.97	20
Manganese	50.0	1.13	51.6	53.0	101	104	1	75.0-125			2.68	20

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3805779-1 06/21/22 19:43

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3805779-2 06/21/22 19:47

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	5300	106	80.0-120	
Manganese	50.0	52.1	104	80.0-120	

L1499204-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1499204-06 06/21/22 19:50 • (MS) R3805779-4 06/21/22 19:58 • (MSD) R3805779-5 06/21/22 20:01

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	U	5390	5210	108	104	1	75.0-125			3.43	20
Manganese	50.0	U	53.9	52.5	108	105	1	75.0-125			2.64	20

Method Blank (MB)

(MB) R3799300-2 06/03/22 14:32

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

L1499151-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1499151-10 06/03/22 15:45 • (DUP) R3799300-3 06/03/22 15:48

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	2370	2360	1	0.423		20
Ethane	0.868	0.839	1	0.000	JP1	20
Ethene	U	U	1	0.000		20

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

(LCS) R3799300-1 06/03/22 14:25 • (LCSD) R3799300-4 06/03/22 16:32

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	75.9	75.8	112	112	85.0-115			0.132	20
Ethane	129	139	124	108	96.1	85.0-115			11.4	20
Ethene	127	140	125	110	98.4	85.0-115			11.3	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3800225-2 06/07/22 09:19

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

L1498698-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1498698-08 06/07/22 09:39 • (DUP) R3800225-3 06/07/22 10:22

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

L1499204-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1499204-08 06/07/22 10:47 • (DUP) R3800225-4 06/07/22 11:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	926	907	1	2.07		20
Ethane	4.29	4.96	1	14.5		20
Ethene	15.8	15.0	1	5.19		20

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

(LCS) R3800225-1 06/07/22 09:15 • (LCSD) R3800225-5 06/07/22 11:46

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	65.4	66.8	96.5	98.5	85.0-115			2.12	20
Ethane	129	117	115	90.7	89.1	85.0-115			1.72	20
Ethene	127	116	115	91.3	90.6	85.0-115			0.866	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3800352-2 06/07/22 14:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

1 Cp

2 Tc

3 Ss

L1499455-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1499455-01 06/07/22 14:51 • (DUP) R3800352-3 06/07/22 14:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	21000	20700	10	1.44		20

4 Cn

5 Sr

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

(LCS) R3800352-1 06/07/22 14:00 • (LCSD) R3800352-4 06/07/22 14:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Methane	67.8	67.7	66.4	99.9	97.9	85.0-115			1.94	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3800147-2 06/03/22 18:16

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3800147-2 06/03/22 18:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	114			75.0-131
(S) 4-Bromofluorobenzene	96.6			67.0-138
(S) 1,2-Dichloroethane-d4	102			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3800147-1 06/03/22 16:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	25.0	100	10.0-160	
Acrylonitrile	25.0	28.0	112	45.0-153	
Benzene	5.00	4.24	84.8	70.0-123	
Bromobenzene	5.00	4.77	95.4	73.0-121	
Bromodichloromethane	5.00	4.40	88.0	73.0-121	
Bromoform	5.00	3.77	75.4	64.0-132	
Bromomethane	5.00	4.23	84.6	56.0-147	
n-Butylbenzene	5.00	4.28	85.6	68.0-135	
sec-Butylbenzene	5.00	4.60	92.0	74.0-130	
tert-Butylbenzene	5.00	4.44	88.8	75.0-127	
Carbon tetrachloride	5.00	4.48	89.6	66.0-128	
Chlorobenzene	5.00	5.06	101	76.0-128	
Chlorodibromomethane	5.00	4.51	90.2	74.0-127	
Chloroethane	5.00	5.40	108	61.0-134	
Chloroform	5.00	4.49	89.8	72.0-123	
Chloromethane	5.00	7.50	150	51.0-138	J4
2-Chlorotoluene	5.00	4.91	98.2	75.0-124	
4-Chlorotoluene	5.00	4.64	92.8	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	3.59	71.8	59.0-130	
1,2-Dibromoethane	5.00	4.81	96.2	74.0-128	
Dibromomethane	5.00	4.13	82.6	75.0-122	
1,2-Dichlorobenzene	5.00	4.56	91.2	76.0-124	
1,3-Dichlorobenzene	5.00	4.36	87.2	76.0-125	
1,4-Dichlorobenzene	5.00	4.59	91.8	77.0-121	
Dichlorodifluoromethane	5.00	4.97	99.4	43.0-156	
1,1-Dichloroethane	5.00	5.34	107	70.0-127	
1,2-Dichloroethane	5.00	4.85	97.0	65.0-131	
1,1-Dichloroethene	5.00	5.65	113	65.0-131	
cis-1,2-Dichloroethene	5.00	4.55	91.0	73.0-125	
trans-1,2-Dichloroethene	5.00	4.71	94.2	71.0-125	
1,2-Dichloropropane	5.00	4.88	97.6	74.0-125	
1,1-Dichloropropene	5.00	4.67	93.4	73.0-125	
1,3-Dichloropropane	5.00	5.13	103	80.0-125	
cis-1,3-Dichloropropene	5.00	4.22	84.4	76.0-127	
trans-1,3-Dichloropropene	5.00	4.60	92.0	73.0-127	
2,2-Dichloropropane	5.00	4.67	93.4	59.0-135	
Di-isopropyl ether	5.00	6.42	128	60.0-136	
Ethylbenzene	5.00	4.85	97.0	74.0-126	
Hexachloro-1,3-butadiene	5.00	2.55	51.0	57.0-150	J4
Isopropylbenzene	5.00	4.34	86.8	72.0-127	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3800147-1 06/03/22 16:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
p-Isopropyltoluene	5.00	4.45	89.0	72.0-133	
2-Butanone (MEK)	25.0	28.3	113	30.0-160	
Methylene Chloride	5.00	5.16	103	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	32.2	129	56.0-143	
Methyl tert-butyl ether	5.00	4.28	85.6	66.0-132	
Naphthalene	5.00	3.49	69.8	59.0-130	
n-Propylbenzene	5.00	4.70	94.0	74.0-126	
Styrene	5.00	4.70	94.0	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.86	97.2	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	4.97	99.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.92	98.4	61.0-139	
Tetrachloroethene	5.00	4.89	97.8	70.0-136	
Toluene	5.00	5.06	101	75.0-121	
1,2,3-Trichlorobenzene	5.00	3.14	62.8	59.0-139	
1,2,4-Trichlorobenzene	5.00	2.96	59.2	62.0-137	J4
1,1,1-Trichloroethane	5.00	4.64	92.8	69.0-126	
1,1,2-Trichloroethane	5.00	4.72	94.4	78.0-123	
Trichloroethene	5.00	5.13	103	76.0-126	
Trichlorofluoromethane	5.00	3.94	78.8	61.0-142	
1,2,3-Trichloropropane	5.00	5.18	104	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.20	84.0	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.38	87.6	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.49	89.8	73.0-127	
Vinyl chloride	5.00	6.18	124	63.0-134	
Xylenes, Total	15.0	14.7	98.0	72.0-127	
Ethyl ether	5.00	6.06	121	64.0-137	
Tetrahydrofuran	5.00	6.44	129	37.0-146	
Iodomethane	25.0	21.7	86.8	74.0-134	
Allyl chloride	25.0	23.8	95.2	70.0-131	
trans-1,4-Dichloro-2-butene	5.00	5.49	110	45.0-143	
(S) Toluene-d8			113	75.0-131	
(S) 4-Bromofluorobenzene			101	67.0-138	
(S) 1,2-Dichloroethane-d4			101	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3800877-3 06/07/22 21:29

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3800877-3 06/07/22 21:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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	0.226	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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	109			75.0-131
(S) 4-Bromofluorobenzene	96.8			67.0-138
(S) 1,2-Dichloroethane-d4	104			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3800877-1 06/07/22 19:27 • (LCSD) R3800877-2 06/07/22 19:46

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 %
Acetone	25.0	22.1	19.6	88.4	78.4	10.0-160			12.0	31
Acrylonitrile	25.0	22.6	22.4	90.4	89.6	45.0-153			0.889	22
Benzene	5.00	4.48	4.41	89.6	88.2	70.0-123			1.57	20
Bromobenzene	5.00	4.52	4.36	90.4	87.2	73.0-121			3.60	20
Bromodichloromethane	5.00	4.63	4.63	92.6	92.6	73.0-121			0.000	20
Bromoform	5.00	4.42	4.56	88.4	91.2	64.0-132			3.12	20
Bromomethane	5.00	3.33	3.46	66.6	69.2	56.0-147			3.83	20
n-Butylbenzene	5.00	4.64	4.65	92.8	93.0	68.0-135			0.215	20
sec-Butylbenzene	5.00	4.38	4.32	87.6	86.4	74.0-130			1.38	20
tert-Butylbenzene	5.00	4.48	4.24	89.6	84.8	75.0-127			5.50	20
Carbon tetrachloride	5.00	5.51	5.77	110	115	66.0-128			4.61	20
Chlorobenzene	5.00	4.29	4.25	85.8	85.0	76.0-128			0.937	20
Chlorodibromomethane	5.00	4.43	4.41	88.6	88.2	74.0-127			0.452	20
Chloroethane	5.00	3.87	3.98	77.4	79.6	61.0-134			2.80	20
Chloroform	5.00	4.64	4.64	92.8	92.8	72.0-123			0.000	20
Chloromethane	5.00	4.87	5.59	97.4	112	51.0-138			13.8	20
2-Chlorotoluene	5.00	4.31	4.23	86.2	84.6	75.0-124			1.87	20
4-Chlorotoluene	5.00	4.37	4.29	87.4	85.8	75.0-124			1.85	20
1,2-Dibromo-3-Chloropropane	5.00	4.57	4.89	91.4	97.8	59.0-130			6.77	20
1,2-Dibromoethane	5.00	4.31	4.20	86.2	84.0	74.0-128			2.59	20
Dibromomethane	5.00	4.24	4.36	84.8	87.2	75.0-122			2.79	20
1,2-Dichlorobenzene	5.00	4.49	4.44	89.8	88.8	76.0-124			1.12	20
1,3-Dichlorobenzene	5.00	4.27	4.38	85.4	87.6	76.0-125			2.54	20
1,4-Dichlorobenzene	5.00	3.85	4.29	77.0	85.8	77.0-121			10.8	20
Dichlorodifluoromethane	5.00	5.40	5.28	108	106	43.0-156			2.25	20
1,1-Dichloroethane	5.00	4.50	4.41	90.0	88.2	70.0-127			2.02	20
1,2-Dichloroethane	5.00	4.67	4.88	93.4	97.6	65.0-131			4.40	20
1,1-Dichloroethene	5.00	4.90	5.15	98.0	103	65.0-131			4.98	20
cis-1,2-Dichloroethene	5.00	4.39	4.47	87.8	89.4	73.0-125			1.81	20
trans-1,2-Dichloroethene	5.00	4.34	4.52	86.8	90.4	71.0-125			4.06	20
1,2-Dichloropropane	5.00	4.70	4.73	94.0	94.6	74.0-125			0.636	20
1,1-Dichloropropene	5.00	4.89	4.86	97.8	97.2	73.0-125			0.615	20
1,3-Dichloropropane	5.00	4.38	4.17	87.6	83.4	80.0-125			4.91	20
cis-1,3-Dichloropropene	5.00	4.44	4.40	88.8	88.0	76.0-127			0.905	20
trans-1,3-Dichloropropene	5.00	4.20	4.18	84.0	83.6	73.0-127			0.477	20
2,2-Dichloropropane	5.00	4.48	4.19	89.6	83.8	59.0-135			6.69	20
Di-isopropyl ether	5.00	4.11	4.11	82.2	82.2	60.0-136			0.000	20
Ethylbenzene	5.00	4.34	4.21	86.8	84.2	74.0-126			3.04	20
Hexachloro-1,3-butadiene	5.00	5.69	5.51	114	110	57.0-150			3.21	20
Isopropylbenzene	5.00	4.37	4.18	87.4	83.6	72.0-127			4.44	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3800877-1 06/07/22 19:27 • (LCSD) R3800877-2 06/07/22 19:46

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 %
p-Isopropyltoluene	5.00	4.46	4.37	89.2	87.4	72.0-133			2.04	20
2-Butanone (MEK)	25.0	27.4	26.0	110	104	30.0-160			5.24	24
Methylene Chloride	5.00	4.38	4.04	87.6	80.8	68.0-123			8.08	20
4-Methyl-2-pentanone (MIBK)	25.0	24.7	24.8	98.8	99.2	56.0-143			0.404	20
Methyl tert-butyl ether	5.00	4.12	4.13	82.4	82.6	66.0-132			0.242	20
Naphthalene	5.00	5.67	5.51	113	110	59.0-130			2.86	20
n-Propylbenzene	5.00	4.64	4.52	92.8	90.4	74.0-126			2.62	20
Styrene	5.00	4.07	4.07	81.4	81.4	72.0-127			0.000	20
1,1,1,2-Tetrachloroethane	5.00	4.55	4.15	91.0	83.0	74.0-129			9.20	20
1,1,2,2-Tetrachloroethane	5.00	4.05	3.54	81.0	70.8	68.0-128			13.4	20
1,1,2-Trichlorotrifluoroethane	5.00	4.84	4.44	96.8	88.8	61.0-139			8.62	20
Tetrachloroethene	5.00	4.92	4.59	98.4	91.8	70.0-136			6.94	20
Toluene	5.00	4.39	4.23	87.8	84.6	75.0-121			3.71	20
1,2,3-Trichlorobenzene	5.00	4.81	4.80	96.2	96.0	59.0-139			0.208	20
1,2,4-Trichlorobenzene	5.00	4.68	4.85	93.6	97.0	62.0-137			3.57	20
1,1,1-Trichloroethane	5.00	4.85	4.43	97.0	88.6	69.0-126			9.05	20
1,1,2-Trichloroethane	5.00	4.19	4.27	83.8	85.4	78.0-123			1.89	20
Trichloroethene	5.00	4.88	5.14	97.6	103	76.0-126			5.19	20
Trichlorofluoromethane	5.00	3.68	3.71	73.6	74.2	61.0-142			0.812	20
1,2,3-Trichloropropane	5.00	4.39	4.36	87.8	87.2	67.0-129			0.686	20
1,2,4-Trimethylbenzene	5.00	4.21	4.06	84.2	81.2	70.0-126			3.63	20
1,2,3-Trimethylbenzene	5.00	4.06	4.00	81.2	80.0	74.0-124			1.49	20
1,3,5-Trimethylbenzene	5.00	4.19	4.08	83.8	81.6	73.0-127			2.66	20
Vinyl chloride	5.00	5.32	4.60	106	92.0	63.0-134			14.5	20
Xylenes, Total	15.0	13.3	12.2	88.7	81.3	72.0-127			8.63	20
Ethyl ether	5.00	3.78	3.95	75.6	79.0	64.0-137			4.40	20
Tetrahydrofuran	5.00	4.21	5.04	84.2	101	37.0-146			17.9	24
Iodomethane	25.0	23.3	24.8	93.2	99.2	74.0-134			6.24	20
Allyl chloride	25.0	22.7	22.8	90.8	91.2	70.0-131			0.440	20
trans-1,4-Dichloro-2-butene	5.00	4.41	3.92	88.2	78.4	45.0-143			11.8	20
(S) Toluene-d8				103	104	75.0-131				
(S) 4-Bromofluorobenzene				98.6	97.4	67.0-138				
(S) 1,2-Dichloroethane-d4				105	107	70.0-130				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3800878-3 06/07/22 21:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
Tetrachloroethene	U		0.0280	0.100
Trichloroethene	U		0.0160	0.0400
(S) Toluene-d8	109			75.0-131
(S) 4-Bromofluorobenzene	96.8			67.0-138
(S) 1,2-Dichloroethane-d4	104			70.0-130

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

(LCS) R3800878-1 06/07/22 19:27 • (LCSD) R3800878-2 06/07/22 19:46

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
cis-1,2-Dichloroethene	5.00	4.39	4.47	87.8	89.4	73.0-125			1.81	20
Tetrachloroethene	5.00	4.92	4.59	98.4	91.8	70.0-136			6.94	20
Trichloroethene	5.00	4.88	5.14	97.6	103	76.0-126			5.19	20
(S) Toluene-d8				103	104	75.0-131				
(S) 4-Bromofluorobenzene				98.6	97.4	67.0-138				
(S) 1,2-Dichloroethane-d4				105	107	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3801394-3 06/08/22 23:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
Vinyl chloride	U		0.0273	0.100
Tetrahydrofuran	U		0.0900	0.500
(S) Toluene-d8	102			75.0-131
(S) 4-Bromofluorobenzene	97.2			67.0-138
(S) 1,2-Dichloroethane-d4	116			70.0-130

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

(LCS) R3801394-1 06/08/22 21:46 • (LCSD) R3801394-2 06/08/22 22:05

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
cis-1,2-Dichloroethene	5.00	4.40	4.13	88.0	82.6	73.0-125			6.33	20
Vinyl chloride	5.00	4.60	4.24	92.0	84.8	63.0-134			8.14	20
Tetrahydrofuran	5.00	5.78	5.05	116	101	37.0-146			13.5	24
(S) Toluene-d8				101	101	75.0-131				
(S) 4-Bromofluorobenzene				95.3	93.3	67.0-138				
(S) 1,2-Dichloroethane-d4				113	110	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

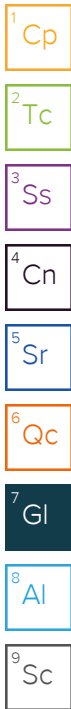
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
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.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
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.
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.
J4	The associated batch QC was outside the established quality control range for accuracy.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.



ACCREDITATIONS & LOCATIONS

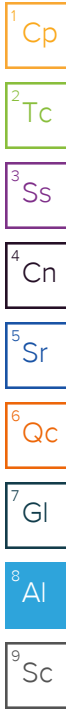
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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



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/hubfs/pas-standard-terms.pdf>

SDG # 1499209
F010

Acctnum: PESENVSWA
 Template: T207758
 Prelogin: P919183
 PM: 546 - Jared Starkey
 PB:

Shipped Via:
 Remarks Sample # (lab only)

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com; brian.oneal@nv5.com

Project Description:
 American Linen

City/State Collected: **SEATTLE WA**
 Please Circle: PT MT CT ET

Phone: 206-529-3980

Client Project #
443018-1413001.05.60 (WP)
 10701

Lab Project #
PESENVSWA-ALP (WP)

Collected by (print):
RTM CJD

Site/Facility ID #
 P.O. #
443018-1413001.05.601

Quote #

Collected by (signature):
RTM Chris Decker

Rush? (Lab MUST Be Notified)
 ___ Same Day ___ Five Day
 ___ Next Day ___ 5 Day (Rad Only)
 ___ Two Day ___ 10 Day (Rad Only)
 ___ Three Day

Date Results Needed
 No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	V8260ULLC 40miAmb-HCl	RSR-17 S/40ml VOA/HCl	IRON & Manganese 250ml/HNO3	TOC/250 ml/HCl	Sulfate/125ml/NO PRES	Sulfate, Nitrate, Chloride/125 ml/NO PRES
MW-304-052522	Grab	GW		5/25/22	0952	3	X					
MW-303-052522		GW			1010	3	X					
MW-138-052522		GW			1050	8	X	X	X	X	X	
MW-160-052522		GW			1225	8	X	X	X	X	X	
MW-143-052522		GW			0920	3	X					
MW-330-052522		GW			1412	3	X					
EQ-052522	Grab	GW		5/25/22	1740	8	X	X	X	X	X	
MW-348-052622	Grab	GW		5/26/22	0941	7	X	X		X	X	
MW-349-052622		GW			0950	7	X	X		X	X	
MW-347-052622		GW			1105	7	X	X		X	X	

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via:
 ___ UPS ___ FedEx ___ Courier _____
 Tracking # _____

Sample Receipt Checklist
 Coc Seal Present/Intact: Y N
 Coc Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 IF Applicable
 VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)
Chris Decker

Date: 5/26/22
 Time: 1415

Received by: (Signature)
 Trip Blank Received: Yes/No
 HCl/MeOH
 TBR

Temp: **RRAG**
 3.010=3.0 78

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: _____
 Time: _____

Received by: (Signature)

Date: 5/28/22
 Time: 1000

Hold: _____
 Condition: NCF / OK

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

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Report to: **Brian O'Neal/Bill Haldeman**
 Email To: Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description: **American Linen**
 City/State Collected: **SEATTLE, WA**
 Please Circle: PT MT CT ET

Phone: **206-529-3980**
 Client Project #: **443018-1413001.05.60**
 Lab Project #: **PESENVSWA-ALP**

Collected by (print): **RJM CJD**
 Site/Facility ID #: **10.701**
 P.O. #: **10.701**

Collected by (signature): **RJM CJD**
 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 **X**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres	Chk	Analysis / Container / Preservative
MW-305-052622	Grab	GW		5/26/22	1145	3	X		
MW-307-052622		GW		↓	1230	3	X		
MW-306-052622		GW		5/26/22	1235	3	X		
MW-156-052622		GW		↓	0620	8	X	X	X
MW-142-052622	Grab	GW		5/26/22	0720	8	X	X	X
TB-052622	-	GW	-	5/26/22	-	1	X		
		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 #

pH _____ Temp _____
 Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact: NP Y N

COC Signed/Accurate: NP Y N

Bottles arrive intact: NP Y N

Correct bottles used: NP Y N

Sufficient volume sent: NP Y N

If Applicable

VOA Zero Headspace: NP Y N

Preservation Correct/Checked: NP Y N

RAD Screen <0.5 mR/hr: NP Y N

Relinquished by: (Signature) **Chris DeBoer** Date: **5/26/22** Time: **1415**

Received by: (Signature) _____ Trip Blank Received: Yes/No **NO**

Relinquished by: (Signature) _____ Date: _____ Time: _____

Received by: (Signature) _____ Temp: **RRAGC 30.0 = 3.0** Bottles Received: **78**

Relinquished by: (Signature) _____ Date: _____ Time: _____

Received for lab by: (Signature) _____ Date: **5/28/22** Time: **1000**

Hold: _____ Condition: **NCF / OK**

Pace
 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>

SDG # **1499204**

Table #

Acctnum: **PESENVSWA**

Template: **T207758**

Prelogin: **P919183**

PM: **546 - Jared Starkey**

Shipped Via:

Remarks Sample # (lab only)

V8260ULLC 40ml/Amb-HCl
 RSK-17S (40ml VOA/HCL)
 Sulfate (125 ml / NO PRES)
 TOC / 250 ml / HCL
 IRON & Manganese ICPMS (250ml/HND₃)

15/28

05/28-NCF-L1499204-PESENVSWA PM

Shortholds

Time estimate: 0h

Time spent: 0h

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 28 May 2022 2:17 PM

Sample MW-156 lost a vial in transit

July 25, 2022

Revised Report

PES Environmental, Inc.- WA

Sample Delivery Group: L1499455
Samples Received: 05/28/2022
Project Number: 443018-1413001.05.60
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Entire Report Reviewed By:



Jason Romer
Project Manager

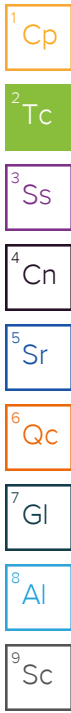
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Pace Analytical National

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

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SAMPLE SUMMARY

MW-143-052622 L1499455-01 GW

Collected by: RTM
 Collected date/time: 05/26/22 14:40
 Received date/time: 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1883664	1	06/23/22 21:55	06/23/22 21:55	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1880840	1	06/17/22 07:52	06/17/22 07:52	KMO	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1875421	50	06/09/22 14:57	06/10/22 16:26	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1874346	1	06/07/22 11:36	06/07/22 11:36	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1875670	10	06/07/22 14:51	06/07/22 14:51	DBB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1875475	10	06/08/22 01:28	06/08/22 01:28	ADM	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GEI-MW-1-052722 L1499455-02 GW

Collected by: RTM
 Collected date/time: 05/27/22 09:35
 Received date/time: 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1874160	1	06/03/22 23:24	06/03/22 23:24	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1875475	1	06/08/22 01:09	06/08/22 01:09	ADM	Mt. Juliet, TN

MW-319-052722 L1499455-03 GW

Collected by: RTM
 Collected date/time: 05/27/22 10:35
 Received date/time: 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1874160	1	06/03/22 23:42	06/03/22 23:42	JHH	Mt. Juliet, TN

MW-318-052722 L1499455-04 GW

Collected by: RTM
 Collected date/time: 05/27/22 11:05
 Received date/time: 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1874160	1	06/04/22 00:01	06/04/22 00:01	JHH	Mt. Juliet, TN

MW-317-052722 L1499455-05 GW

Collected by: RTM
 Collected date/time: 05/27/22 11:38
 Received date/time: 05/28/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1874160	1	06/04/22 00:20	06/04/22 00:20	JHH	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.



Jason Romer
Project Manager

Report Revision History

Level II Report - Version 1: 06/27/22 08:30

Project Narrative

Corrected collect date

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2930	J	594	5000	1	06/23/2022 21:55	WG1883664

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)	33200		102	1000	1	06/17/2022 07:52	WG1880840

Metals (ICPMS) by Method 6020B

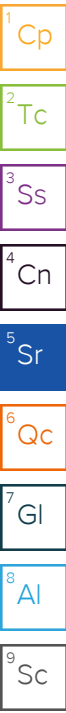
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	40100		1400	5000	50	06/10/2022 16:26	WG1875421
Manganese	6500		35.2	250	50	06/10/2022 16:26	WG1875421

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	21000		2.87	6.78	10	06/07/2022 14:51	WG1875670
Ethane	478		0.296	1.29	1	06/07/2022 11:36	WG1874346
Ethene	483		0.422	1.27	1	06/07/2022 11:36	WG1874346

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		5.48	10.0	10	06/08/2022 01:28	WG1875475
Acrylonitrile	U		0.760	5.00	10	06/08/2022 01:28	WG1875475
Benzene	U		0.160	0.400	10	06/08/2022 01:28	WG1875475
Bromobenzene	U		0.420	5.00	10	06/08/2022 01:28	WG1875475
Bromodichloromethane	U		0.315	1.00	10	06/08/2022 01:28	WG1875475
Bromoform	U		2.39	10.0	10	06/08/2022 01:28	WG1875475
Bromomethane	U	C3	1.48	5.00	10	06/08/2022 01:28	WG1875475
n-Butylbenzene	U		1.53	5.00	10	06/08/2022 01:28	WG1875475
sec-Butylbenzene	U		1.01	5.00	10	06/08/2022 01:28	WG1875475
tert-Butylbenzene	U		0.620	2.00	10	06/08/2022 01:28	WG1875475
Carbon tetrachloride	U		0.432	2.00	10	06/08/2022 01:28	WG1875475
Chlorobenzene	U		0.229	1.00	10	06/08/2022 01:28	WG1875475
Chlorodibromomethane	U		0.180	1.00	10	06/08/2022 01:28	WG1875475
Chloroethane	U	C3	0.432	2.00	10	06/08/2022 01:28	WG1875475
Chloroform	U		0.166	1.00	10	06/08/2022 01:28	WG1875475
Chloromethane	U		0.556	5.00	10	06/08/2022 01:28	WG1875475
2-Chlorotoluene	U		0.368	1.00	10	06/08/2022 01:28	WG1875475
4-Chlorotoluene	U		0.452	2.00	10	06/08/2022 01:28	WG1875475
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	06/08/2022 01:28	WG1875475
1,2-Dibromoethane	U		0.210	1.00	10	06/08/2022 01:28	WG1875475
Dibromomethane	U		0.400	2.00	10	06/08/2022 01:28	WG1875475
1,2-Dichlorobenzene	U		0.580	2.00	10	06/08/2022 01:28	WG1875475
1,3-Dichlorobenzene	U		0.680	2.00	10	06/08/2022 01:28	WG1875475
1,4-Dichlorobenzene	U	C3	0.788	2.00	10	06/08/2022 01:28	WG1875475
Dichlorodifluoromethane	U		0.327	1.00	10	06/08/2022 01:28	WG1875475
1,1-Dichloroethane	U		0.230	1.00	10	06/08/2022 01:28	WG1875475
1,2-Dichloroethane	U		0.190	1.00	10	06/08/2022 01:28	WG1875475
1,1-Dichloroethene	U		0.200	1.00	10	06/08/2022 01:28	WG1875475
cis-1,2-Dichloroethene	188		0.276	1.00	10	06/08/2022 01:28	WG1875475
trans-1,2-Dichloroethene	3.46		0.572	2.00	10	06/08/2022 01:28	WG1875475
1,2-Dichloropropane	U		0.508	2.00	10	06/08/2022 01:28	WG1875475



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		0.280	1.00	10	06/08/2022 01:28	WG1875475
1,3-Dichloropropane	U		0.700	2.00	10	06/08/2022 01:28	WG1875475
cis-1,3-Dichloropropene	U		0.271	1.00	10	06/08/2022 01:28	WG1875475
trans-1,3-Dichloropropene	U		0.612	2.00	10	06/08/2022 01:28	WG1875475
2,2-Dichloropropane	U		0.317	1.00	10	06/08/2022 01:28	WG1875475
Di-isopropyl ether	U		0.140	0.400	10	06/08/2022 01:28	WG1875475
Ethylbenzene	U		0.212	1.00	10	06/08/2022 01:28	WG1875475
Hexachloro-1,3-butadiene	U		5.08	10.0	10	06/08/2022 01:28	WG1875475
Isopropylbenzene	U		0.345	1.00	10	06/08/2022 01:28	WG1875475
p-Isopropyltoluene	U		0.932	2.00	10	06/08/2022 01:28	WG1875475
2-Butanone (MEK)	U		5.00	10.0	10	06/08/2022 01:28	WG1875475
Methylene Chloride	U		2.65	10.0	10	06/08/2022 01:28	WG1875475
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	06/08/2022 01:28	WG1875475
Methyl tert-butyl ether	U		0.118	0.400	10	06/08/2022 01:28	WG1875475
Naphthalene	U		1.24	5.00	10	06/08/2022 01:28	WG1875475
n-Propylbenzene	U		0.472	2.00	10	06/08/2022 01:28	WG1875475
Styrene	U		1.09	5.00	10	06/08/2022 01:28	WG1875475
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	06/08/2022 01:28	WG1875475
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	06/08/2022 01:28	WG1875475
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	06/08/2022 01:28	WG1875475
Tetrachloroethene	U		0.280	1.00	10	06/08/2022 01:28	WG1875475
Toluene	U		0.500	2.00	10	06/08/2022 01:28	WG1875475
1,2,3-Trichlorobenzene	U		0.250	5.00	10	06/08/2022 01:28	WG1875475
1,2,4-Trichlorobenzene	U		1.93	5.00	10	06/08/2022 01:28	WG1875475
1,1,1-Trichloroethane	U		0.110	1.00	10	06/08/2022 01:28	WG1875475
1,1,2-Trichloroethane	U		0.353	1.00	10	06/08/2022 01:28	WG1875475
Trichloroethene	U		0.160	0.400	10	06/08/2022 01:28	WG1875475
Trichlorofluoromethane	U	C3	0.200	1.00	10	06/08/2022 01:28	WG1875475
1,2,3-Trichloropropane	U		2.04	5.00	10	06/08/2022 01:28	WG1875475
1,2,4-Trimethylbenzene	U		0.464	2.00	10	06/08/2022 01:28	WG1875475
1,2,3-Trimethylbenzene	U		0.460	2.00	10	06/08/2022 01:28	WG1875475
1,3,5-Trimethylbenzene	U		0.432	2.00	10	06/08/2022 01:28	WG1875475
Vinyl chloride	602		0.273	1.00	10	06/08/2022 01:28	WG1875475
Xylenes, Total	U		1.91	2.60	10	06/08/2022 01:28	WG1875475
Ethyl Ether	U	C3	0.170	1.00	10	06/08/2022 01:28	WG1875475
Tetrahydrofuran	U		0.900	5.00	10	06/08/2022 01:28	WG1875475
Iodomethane	U		2.42	5.00	10	06/08/2022 01:28	WG1875475
Allyl chloride	U		5.80	10.0	10	06/08/2022 01:28	WG1875475
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	06/08/2022 01:28	WG1875475
(S) Toluene-d8	107			75.0-131		06/08/2022 01:28	WG1875475
(S) 4-Bromofluorobenzene	101			67.0-138		06/08/2022 01:28	WG1875475
(S) 1,2-Dichloroethane-d4	104			70.0-130		06/08/2022 01:28	WG1875475

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	06/03/2022 23:24	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 23:24	WG1874160
Benzene	U		0.0160	0.0400	1	06/03/2022 23:24	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 23:24	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 23:24	WG1874160
Bromoform	U	C3	0.239	1.00	1	06/03/2022 23:24	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 23:24	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 23:24	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 23:24	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 23:24	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 23:24	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 23:24	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 23:24	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 23:24	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 23:24	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/03/2022 23:24	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 23:24	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 23:24	WG1874160
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/03/2022 23:24	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 23:24	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 23:24	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 23:24	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 23:24	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 23:24	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 23:24	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2022 23:24	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2022 23:24	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2022 23:24	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2022 23:24	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2022 23:24	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 23:24	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 23:24	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 23:24	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 23:24	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 23:24	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 23:24	WG1874160
Di-isopropyl ether	0.0650	C5	0.0140	0.0400	1	06/03/2022 23:24	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 23:24	WG1874160
Hexachloro-1,3-butadiene	U	C3 J4	0.508	1.00	1	06/03/2022 23:24	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 23:24	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 23:24	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 23:24	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 23:24	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 23:24	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 23:24	WG1874160
Naphthalene	U	C3	0.124	0.500	1	06/03/2022 23:24	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 23:24	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 23:24	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 23:24	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 23:24	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 23:24	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/08/2022 01:09	WG1875475
Toluene	U		0.0500	0.200	1	06/03/2022 23:24	WG1874160
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	06/03/2022 23:24	WG1874160
1,2,4-Trichlorobenzene	U	C4 J4	0.193	0.500	1	06/03/2022 23:24	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 23:24	WG1874160

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 23:24	WG1874160
Trichloroethene	U		0.0160	0.0400	1	06/03/2022 23:24	WG1874160
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 23:24	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 23:24	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 23:24	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 23:24	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 23:24	WG1874160
Vinyl chloride	0.0910	<u>J</u>	0.0273	0.100	1	06/03/2022 23:24	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 23:24	WG1874160
Ethyl Ether	0.374	<u>C5</u>	0.0170	0.100	1	06/03/2022 23:24	WG1874160
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 23:24	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 23:24	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 23:24	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 23:24	WG1874160
(S) Toluene-d8	111			75.0-131		06/03/2022 23:24	WG1874160
(S) Toluene-d8	105			75.0-131		06/08/2022 01:09	WG1875475
(S) 4-Bromofluorobenzene	95.3			67.0-138		06/03/2022 23:24	WG1874160
(S) 4-Bromofluorobenzene	95.9			67.0-138		06/08/2022 01:09	WG1875475
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/03/2022 23:24	WG1874160
(S) 1,2-Dichloroethane-d4	108			70.0-130		06/08/2022 01:09	WG1875475

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
Acetone	U		0.548	1.00	1	06/03/2022 23:42	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/03/2022 23:42	WG1874160
Benzene	0.0250	<u>J</u>	0.0160	0.0400	1	06/03/2022 23:42	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/03/2022 23:42	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/03/2022 23:42	WG1874160
Bromoform	U	<u>C3</u>	0.239	1.00	1	06/03/2022 23:42	WG1874160
Bromomethane	U		0.148	0.500	1	06/03/2022 23:42	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/03/2022 23:42	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/03/2022 23:42	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2022 23:42	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2022 23:42	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/03/2022 23:42	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2022 23:42	WG1874160
Chloroethane	U		0.0432	0.200	1	06/03/2022 23:42	WG1874160
Chloroform	U		0.0166	0.100	1	06/03/2022 23:42	WG1874160
Chloromethane	U	<u>J4</u>	0.0556	0.500	1	06/03/2022 23:42	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2022 23:42	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2022 23:42	WG1874160
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	06/03/2022 23:42	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2022 23:42	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/03/2022 23:42	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2022 23:42	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2022 23:42	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2022 23:42	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/03/2022 23:42	WG1874160
1,1-Dichloroethane	0.342		0.0230	0.100	1	06/03/2022 23:42	WG1874160
1,2-Dichloroethane	0.0860	<u>J</u>	0.0190	0.100	1	06/03/2022 23:42	WG1874160
1,1-Dichloroethene	0.192		0.0200	0.100	1	06/03/2022 23:42	WG1874160
cis-1,2-Dichloroethene	44.1		0.0276	0.100	1	06/03/2022 23:42	WG1874160
trans-1,2-Dichloroethene	0.0590	<u>J</u>	0.0572	0.200	1	06/03/2022 23:42	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2022 23:42	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2022 23:42	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2022 23:42	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2022 23:42	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2022 23:42	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2022 23:42	WG1874160
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2022 23:42	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/03/2022 23:42	WG1874160
Hexachloro-1,3-butadiene	U	<u>C3 J4</u>	0.508	1.00	1	06/03/2022 23:42	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/03/2022 23:42	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2022 23:42	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2022 23:42	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/03/2022 23:42	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2022 23:42	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2022 23:42	WG1874160
Naphthalene	U	<u>C3</u>	0.124	0.500	1	06/03/2022 23:42	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/03/2022 23:42	WG1874160
Styrene	U		0.109	0.500	1	06/03/2022 23:42	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2022 23:42	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2022 23:42	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2022 23:42	WG1874160
Tetrachloroethene	0.145		0.0280	0.100	1	06/03/2022 23:42	WG1874160
Toluene	U		0.0500	0.200	1	06/03/2022 23:42	WG1874160
1,2,3-Trichlorobenzene	U	<u>C4</u>	0.0250	0.500	1	06/03/2022 23:42	WG1874160
1,2,4-Trichlorobenzene	U	<u>C4 J4</u>	0.193	0.500	1	06/03/2022 23:42	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2022 23:42	WG1874160

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2022 23:42	WG1874160
Trichloroethene	6.93		0.0160	0.0400	1	06/03/2022 23:42	WG1874160
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2022 23:42	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2022 23:42	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2022 23:42	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2022 23:42	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2022 23:42	WG1874160
Vinyl chloride	5.19	<u>C5</u>	0.0273	0.100	1	06/03/2022 23:42	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/03/2022 23:42	WG1874160
Ethyl Ether	U		0.0170	0.100	1	06/03/2022 23:42	WG1874160
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2022 23:42	WG1874160
Iodomethane	U		0.242	0.500	1	06/03/2022 23:42	WG1874160
Allyl chloride	U		0.580	1.00	1	06/03/2022 23:42	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2022 23:42	WG1874160
(S) Toluene-d8	112			75.0-131		06/03/2022 23:42	WG1874160
(S) 4-Bromofluorobenzene	96.9			67.0-138		06/03/2022 23:42	WG1874160
(S) 1,2-Dichloroethane-d4	105			70.0-130		06/03/2022 23:42	WG1874160

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	06/04/2022 00:01	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/04/2022 00:01	WG1874160
Benzene	20.3		0.0160	0.0400	1	06/04/2022 00:01	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/04/2022 00:01	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/04/2022 00:01	WG1874160
Bromoform	U	<u>C3</u>	0.239	1.00	1	06/04/2022 00:01	WG1874160
Bromomethane	U		0.148	0.500	1	06/04/2022 00:01	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/04/2022 00:01	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/04/2022 00:01	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/04/2022 00:01	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/04/2022 00:01	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/04/2022 00:01	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/04/2022 00:01	WG1874160
Chloroethane	U		0.0432	0.200	1	06/04/2022 00:01	WG1874160
Chloroform	U		0.0166	0.100	1	06/04/2022 00:01	WG1874160
Chloromethane	U	<u>J4</u>	0.0556	0.500	1	06/04/2022 00:01	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/04/2022 00:01	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/04/2022 00:01	WG1874160
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	06/04/2022 00:01	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/04/2022 00:01	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/04/2022 00:01	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/04/2022 00:01	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/04/2022 00:01	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/04/2022 00:01	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/04/2022 00:01	WG1874160
1,1-Dichloroethane	0.213		0.0230	0.100	1	06/04/2022 00:01	WG1874160
1,2-Dichloroethane	0.691		0.0190	0.100	1	06/04/2022 00:01	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/04/2022 00:01	WG1874160
cis-1,2-Dichloroethene	1.10		0.0276	0.100	1	06/04/2022 00:01	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/04/2022 00:01	WG1874160
1,2-Dichloropropane	0.178	<u>J</u>	0.0508	0.200	1	06/04/2022 00:01	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/04/2022 00:01	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/04/2022 00:01	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/04/2022 00:01	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/04/2022 00:01	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/04/2022 00:01	WG1874160
Di-isopropyl ether	0.0280	<u>J</u>	0.0140	0.0400	1	06/04/2022 00:01	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/04/2022 00:01	WG1874160
Hexachloro-1,3-butadiene	U	<u>C3 J4</u>	0.508	1.00	1	06/04/2022 00:01	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/04/2022 00:01	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/04/2022 00:01	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/04/2022 00:01	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/04/2022 00:01	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/04/2022 00:01	WG1874160
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/04/2022 00:01	WG1874160
Naphthalene	U	<u>C3</u>	0.124	0.500	1	06/04/2022 00:01	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/04/2022 00:01	WG1874160
Styrene	U		0.109	0.500	1	06/04/2022 00:01	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/04/2022 00:01	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/04/2022 00:01	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/04/2022 00:01	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/04/2022 00:01	WG1874160
Toluene	0.0670	<u>J</u>	0.0500	0.200	1	06/04/2022 00:01	WG1874160
1,2,3-Trichlorobenzene	U	<u>C4</u>	0.0250	0.500	1	06/04/2022 00:01	WG1874160
1,2,4-Trichlorobenzene	U	<u>C4 J4</u>	0.193	0.500	1	06/04/2022 00:01	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/04/2022 00:01	WG1874160

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/04/2022 00:01	WG1874160
Trichloroethene	U		0.0160	0.0400	1	06/04/2022 00:01	WG1874160
Trichlorofluoromethane	U		0.0200	0.100	1	06/04/2022 00:01	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/04/2022 00:01	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/04/2022 00:01	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/04/2022 00:01	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/04/2022 00:01	WG1874160
Vinyl chloride	32.7	<u>C5</u>	0.0273	0.100	1	06/04/2022 00:01	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/04/2022 00:01	WG1874160
Ethyl Ether	0.133	<u>C5</u>	0.0170	0.100	1	06/04/2022 00:01	WG1874160
Tetrahydrofuran	U		0.0900	0.500	1	06/04/2022 00:01	WG1874160
Iodomethane	U		0.242	0.500	1	06/04/2022 00:01	WG1874160
Allyl chloride	U		0.580	1.00	1	06/04/2022 00:01	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/04/2022 00:01	WG1874160
(S) Toluene-d8	111			75.0-131		06/04/2022 00:01	WG1874160
(S) 4-Bromofluorobenzene	96.9			67.0-138		06/04/2022 00:01	WG1874160
(S) 1,2-Dichloroethane-d4	104			70.0-130		06/04/2022 00:01	WG1874160

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	3.64		0.548	1.00	1	06/04/2022 00:20	WG1874160
Acrylonitrile	U		0.0760	0.500	1	06/04/2022 00:20	WG1874160
Benzene	U		0.0160	0.0400	1	06/04/2022 00:20	WG1874160
Bromobenzene	U		0.0420	0.500	1	06/04/2022 00:20	WG1874160
Bromodichloromethane	U		0.0315	0.100	1	06/04/2022 00:20	WG1874160
Bromoform	U	C3	0.239	1.00	1	06/04/2022 00:20	WG1874160
Bromomethane	U		0.148	0.500	1	06/04/2022 00:20	WG1874160
n-Butylbenzene	U		0.153	0.500	1	06/04/2022 00:20	WG1874160
sec-Butylbenzene	U		0.101	0.500	1	06/04/2022 00:20	WG1874160
tert-Butylbenzene	U		0.0620	0.200	1	06/04/2022 00:20	WG1874160
Carbon tetrachloride	U		0.0432	0.200	1	06/04/2022 00:20	WG1874160
Chlorobenzene	U		0.0229	0.100	1	06/04/2022 00:20	WG1874160
Chlorodibromomethane	U		0.0180	0.100	1	06/04/2022 00:20	WG1874160
Chloroethane	U		0.0432	0.200	1	06/04/2022 00:20	WG1874160
Chloroform	U		0.0166	0.100	1	06/04/2022 00:20	WG1874160
Chloromethane	U	J4	0.0556	0.500	1	06/04/2022 00:20	WG1874160
2-Chlorotoluene	U		0.0368	0.100	1	06/04/2022 00:20	WG1874160
4-Chlorotoluene	U		0.0452	0.200	1	06/04/2022 00:20	WG1874160
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/04/2022 00:20	WG1874160
1,2-Dibromoethane	U		0.0210	0.100	1	06/04/2022 00:20	WG1874160
Dibromomethane	U		0.0400	0.200	1	06/04/2022 00:20	WG1874160
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/04/2022 00:20	WG1874160
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/04/2022 00:20	WG1874160
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/04/2022 00:20	WG1874160
Dichlorodifluoromethane	U		0.0327	0.100	1	06/04/2022 00:20	WG1874160
1,1-Dichloroethane	U		0.0230	0.100	1	06/04/2022 00:20	WG1874160
1,2-Dichloroethane	U		0.0190	0.100	1	06/04/2022 00:20	WG1874160
1,1-Dichloroethene	U		0.0200	0.100	1	06/04/2022 00:20	WG1874160
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/04/2022 00:20	WG1874160
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/04/2022 00:20	WG1874160
1,2-Dichloropropane	U		0.0508	0.200	1	06/04/2022 00:20	WG1874160
1,1-Dichloropropene	U		0.0280	0.100	1	06/04/2022 00:20	WG1874160
1,3-Dichloropropane	U		0.0700	0.200	1	06/04/2022 00:20	WG1874160
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/04/2022 00:20	WG1874160
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/04/2022 00:20	WG1874160
2,2-Dichloropropane	U		0.0317	0.100	1	06/04/2022 00:20	WG1874160
Di-isopropyl ether	0.123	C5	0.0140	0.0400	1	06/04/2022 00:20	WG1874160
Ethylbenzene	U		0.0212	0.100	1	06/04/2022 00:20	WG1874160
Hexachloro-1,3-butadiene	U	C3 J4	0.508	1.00	1	06/04/2022 00:20	WG1874160
Isopropylbenzene	U		0.0345	0.100	1	06/04/2022 00:20	WG1874160
p-Isopropyltoluene	U		0.0932	0.200	1	06/04/2022 00:20	WG1874160
2-Butanone (MEK)	U		0.500	1.00	1	06/04/2022 00:20	WG1874160
Methylene Chloride	U		0.265	1.00	1	06/04/2022 00:20	WG1874160
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/04/2022 00:20	WG1874160
Methyl tert-butyl ether	0.0620		0.0118	0.0400	1	06/04/2022 00:20	WG1874160
Naphthalene	U	C3	0.124	0.500	1	06/04/2022 00:20	WG1874160
n-Propylbenzene	U		0.0472	0.200	1	06/04/2022 00:20	WG1874160
Styrene	U		0.109	0.500	1	06/04/2022 00:20	WG1874160
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/04/2022 00:20	WG1874160
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/04/2022 00:20	WG1874160
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/04/2022 00:20	WG1874160
Tetrachloroethene	U		0.0280	0.100	1	06/04/2022 00:20	WG1874160
Toluene	U		0.0500	0.200	1	06/04/2022 00:20	WG1874160
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	06/04/2022 00:20	WG1874160
1,2,4-Trichlorobenzene	U	C4 J4	0.193	0.500	1	06/04/2022 00:20	WG1874160
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/04/2022 00:20	WG1874160

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/04/2022 00:20	WG1874160
Trichloroethene	U		0.0160	0.0400	1	06/04/2022 00:20	WG1874160
Trichlorofluoromethane	U		0.0200	0.100	1	06/04/2022 00:20	WG1874160
1,2,3-Trichloropropane	U		0.204	0.500	1	06/04/2022 00:20	WG1874160
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/04/2022 00:20	WG1874160
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/04/2022 00:20	WG1874160
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/04/2022 00:20	WG1874160
Vinyl chloride	U		0.0273	0.100	1	06/04/2022 00:20	WG1874160
Xylenes, Total	U		0.191	0.260	1	06/04/2022 00:20	WG1874160
Ethyl Ether	U		0.0170	0.100	1	06/04/2022 00:20	WG1874160
Tetrahydrofuran	U		0.0900	0.500	1	06/04/2022 00:20	WG1874160
Iodomethane	U		0.242	0.500	1	06/04/2022 00:20	WG1874160
Allyl chloride	U		0.580	1.00	1	06/04/2022 00:20	WG1874160
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/04/2022 00:20	WG1874160
(S) Toluene-d8	114			75.0-131		06/04/2022 00:20	WG1874160
(S) 4-Bromofluorobenzene	97.9			67.0-138		06/04/2022 00:20	WG1874160
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/04/2022 00:20	WG1874160

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3807538-1 06/23/22 08:43

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1499409-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1499409-01 06/23/22 12:09 • (DUP) R3807538-4 06/23/22 12:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	982000	980000	10	0.184		15

L1499409-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1499409-12 06/23/22 20:22 • (DUP) R3807538-8 06/23/22 20:38

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	2040000	1840000	100	10.3		15

Laboratory Control Sample (LCS)

(LCS) R3807538-2 06/23/22 08:58

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	41000	103	80.0-120	

L1499409-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1499409-05 06/23/22 14:43 • (MS) R3807538-5 06/23/22 14:59 • (MSD) R3807538-6 06/23/22 15:14

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	272000	319000	319000	94.5	94.5	1	80.0-120	<u>E</u>	<u>E</u>	0.00833	15

L1499455-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1499455-01 06/23/22 21:55 • (MS) R3807538-9 06/23/22 22:10

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	2930	51600	97.2	1	80.0-120	

Method Blank (MB)

(MB) R3804435-2 06/17/22 06:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	127	↓	102	1000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1499455-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1499455-01 06/17/22 07:52 • (DUP) R3804435-3 06/17/22 08:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	33200	33100	1	0.302		20

L1499546-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1499546-01 06/17/22 09:39 • (DUP) R3804435-6 06/17/22 09:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	4730	4980	1	5.15		20

Laboratory Control Sample (LCS)

(LCS) R3804435-1 06/17/22 06:33

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	78600	105	85.0-115	

L1499520-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1499520-01 06/17/22 08:21 • (MS) R3804435-4 06/17/22 08:35 • (MSD) R3804435-5 06/17/22 08:52

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	1320	54900	55900	107	109	1	80.0-120			1.84	20

L1499674-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1499674-03 06/17/22 10:28 • (MS) R3804435-7 06/17/22 10:45 • (MSD) R3804435-8 06/17/22 11:02

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	252	52700	53000	105	105	1	80.0-120			0.549	20

Method Blank (MB)

(MB) R3801842-1 06/10/22 14:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	31.5	U	28.1	100
Manganese	0.836	U	0.704	5.00

Laboratory Control Sample (LCS)

(LCS) R3801842-2 06/10/22 14:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	5000	4800	96.0	80.0-120	
Manganese	50.0	48.6	97.2	80.0-120	

L1499364-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1499364-01 06/10/22 15:24 • (MS) R3801842-7 06/10/22 15:31 • (MSD) R3801842-8 06/10/22 15:34

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	5000	30.5	4870	4640	96.8	92.2	1	75.0-125			4.85	20
Manganese	50.0	248	300	290	103	83.1	1	75.0-125			3.36	20

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

Method Blank (MB)

(MB) R3800225-2 06/07/22 09:19

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

L1498698-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1498698-08 06/07/22 09:39 • (DUP) R3800225-3 06/07/22 10:22

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

L1499204-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1499204-08 06/07/22 10:47 • (DUP) R3800225-4 06/07/22 11:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l	%	%		%
Ethane	4.29	4.96	1	14.5		20
Ethene	15.8	15.0	1	5.19		20

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

(LCS) R3800225-1 06/07/22 09:15 • (LCSD) R3800225-5 06/07/22 11:46

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Ethane	129	117	115	90.7	89.1	85.0-115			1.72	20
Ethene	127	116	115	91.3	90.6	85.0-115			0.866	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3800352-2 06/07/22 14:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

1 Cp

2 Tc

3 Ss

L1499455-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1499455-01 06/07/22 14:51 • (DUP) R3800352-3 06/07/22 14:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	21000	20700	10	1.44		20

4 Cn

5 Sr

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

(LCS) R3800352-1 06/07/22 14:00 • (LCSD) R3800352-4 06/07/22 14:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Methane	67.8	67.7	66.4	99.9	97.9	85.0-115			1.94	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3800147-2 06/03/22 18:16

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3800147-2 06/03/22 18:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	114			75.0-131
(S) 4-Bromofluorobenzene	96.6			67.0-138
(S) 1,2-Dichloroethane-d4	102			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3800147-1 06/03/22 16:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetone	25.0	25.0	100	10.0-160	
Acrylonitrile	25.0	28.0	112	45.0-153	
Benzene	5.00	4.24	84.8	70.0-123	
Bromobenzene	5.00	4.77	95.4	73.0-121	
Bromodichloromethane	5.00	4.40	88.0	73.0-121	
Bromoform	5.00	3.77	75.4	64.0-132	
Bromomethane	5.00	4.23	84.6	56.0-147	
n-Butylbenzene	5.00	4.28	85.6	68.0-135	
sec-Butylbenzene	5.00	4.60	92.0	74.0-130	
tert-Butylbenzene	5.00	4.44	88.8	75.0-127	
Carbon tetrachloride	5.00	4.48	89.6	66.0-128	
Chlorobenzene	5.00	5.06	101	76.0-128	
Chlorodibromomethane	5.00	4.51	90.2	74.0-127	
Chloroethane	5.00	5.40	108	61.0-134	
Chloroform	5.00	4.49	89.8	72.0-123	
Chloromethane	5.00	7.50	150	51.0-138	J4
2-Chlorotoluene	5.00	4.91	98.2	75.0-124	
4-Chlorotoluene	5.00	4.64	92.8	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	3.59	71.8	59.0-130	
1,2-Dibromoethane	5.00	4.81	96.2	74.0-128	
Dibromomethane	5.00	4.13	82.6	75.0-122	
1,2-Dichlorobenzene	5.00	4.56	91.2	76.0-124	
1,3-Dichlorobenzene	5.00	4.36	87.2	76.0-125	
1,4-Dichlorobenzene	5.00	4.59	91.8	77.0-121	
Dichlorodifluoromethane	5.00	4.97	99.4	43.0-156	
1,1-Dichloroethane	5.00	5.34	107	70.0-127	
1,2-Dichloroethane	5.00	4.85	97.0	65.0-131	
1,1-Dichloroethene	5.00	5.65	113	65.0-131	
cis-1,2-Dichloroethene	5.00	4.55	91.0	73.0-125	
trans-1,2-Dichloroethene	5.00	4.71	94.2	71.0-125	
1,2-Dichloropropane	5.00	4.88	97.6	74.0-125	
1,1-Dichloropropene	5.00	4.67	93.4	73.0-125	
1,3-Dichloropropane	5.00	5.13	103	80.0-125	
cis-1,3-Dichloropropene	5.00	4.22	84.4	76.0-127	
trans-1,3-Dichloropropene	5.00	4.60	92.0	73.0-127	
2,2-Dichloropropane	5.00	4.67	93.4	59.0-135	
Di-isopropyl ether	5.00	6.42	128	60.0-136	
Ethylbenzene	5.00	4.85	97.0	74.0-126	
Hexachloro-1,3-butadiene	5.00	2.55	51.0	57.0-150	J4
Isopropylbenzene	5.00	4.34	86.8	72.0-127	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3800147-1 06/03/22 16:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
p-Isopropyltoluene	5.00	4.45	89.0	72.0-133	
2-Butanone (MEK)	25.0	28.3	113	30.0-160	
Methylene Chloride	5.00	5.16	103	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	32.2	129	56.0-143	
Methyl tert-butyl ether	5.00	4.28	85.6	66.0-132	
Naphthalene	5.00	3.49	69.8	59.0-130	
n-Propylbenzene	5.00	4.70	94.0	74.0-126	
Styrene	5.00	4.70	94.0	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.86	97.2	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	4.97	99.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.92	98.4	61.0-139	
Tetrachloroethene	5.00	4.89	97.8	70.0-136	
Toluene	5.00	5.06	101	75.0-121	
1,2,3-Trichlorobenzene	5.00	3.14	62.8	59.0-139	
1,2,4-Trichlorobenzene	5.00	2.96	59.2	62.0-137	J4
1,1,1-Trichloroethane	5.00	4.64	92.8	69.0-126	
1,1,2-Trichloroethane	5.00	4.72	94.4	78.0-123	
Trichloroethene	5.00	5.13	103	76.0-126	
Trichlorofluoromethane	5.00	3.94	78.8	61.0-142	
1,2,3-Trichloropropane	5.00	5.18	104	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.20	84.0	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.38	87.6	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.49	89.8	73.0-127	
Vinyl chloride	5.00	6.18	124	63.0-134	
Xylenes, Total	15.0	14.7	98.0	72.0-127	
Ethyl ether	5.00	6.06	121	64.0-137	
Tetrahydrofuran	5.00	6.44	129	37.0-146	
Iodomethane	25.0	21.7	86.8	74.0-134	
Allyl chloride	25.0	23.8	95.2	70.0-131	
trans-1,4-Dichloro-2-butene	5.00	5.49	110	45.0-143	
(S) Toluene-d8			113	75.0-131	
(S) 4-Bromofluorobenzene			101	67.0-138	
(S) 1,2-Dichloroethane-d4			101	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3800878-3 06/07/22 21:29

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3800878-3 06/07/22 21:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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	0.226	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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	109			75.0-131
(S) 4-Bromofluorobenzene	96.8			67.0-138
(S) 1,2-Dichloroethane-d4	104			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3800878-1 06/07/22 19:27 • (LCSD) R3800878-2 06/07/22 19:46

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 %
Acetone	25.0	22.1	19.6	88.4	78.4	10.0-160			12.0	31
Acrylonitrile	25.0	22.6	22.4	90.4	89.6	45.0-153			0.889	22
Benzene	5.00	4.48	4.41	89.6	88.2	70.0-123			1.57	20
Bromobenzene	5.00	4.52	4.36	90.4	87.2	73.0-121			3.60	20
Bromodichloromethane	5.00	4.63	4.63	92.6	92.6	73.0-121			0.000	20
Bromoform	5.00	4.42	4.56	88.4	91.2	64.0-132			3.12	20
Bromomethane	5.00	3.33	3.46	66.6	69.2	56.0-147			3.83	20
n-Butylbenzene	5.00	4.64	4.65	92.8	93.0	68.0-135			0.215	20
sec-Butylbenzene	5.00	4.38	4.32	87.6	86.4	74.0-130			1.38	20
tert-Butylbenzene	5.00	4.48	4.24	89.6	84.8	75.0-127			5.50	20
Carbon tetrachloride	5.00	5.51	5.77	110	115	66.0-128			4.61	20
Chlorobenzene	5.00	4.29	4.25	85.8	85.0	76.0-128			0.937	20
Chlorodibromomethane	5.00	4.43	4.41	88.6	88.2	74.0-127			0.452	20
Chloroethane	5.00	3.87	3.98	77.4	79.6	61.0-134			2.80	20
Chloroform	5.00	4.64	4.64	92.8	92.8	72.0-123			0.000	20
Chloromethane	5.00	4.87	5.59	97.4	112	51.0-138			13.8	20
2-Chlorotoluene	5.00	4.31	4.23	86.2	84.6	75.0-124			1.87	20
4-Chlorotoluene	5.00	4.37	4.29	87.4	85.8	75.0-124			1.85	20
1,2-Dibromo-3-Chloropropane	5.00	4.57	4.89	91.4	97.8	59.0-130			6.77	20
1,2-Dibromoethane	5.00	4.31	4.20	86.2	84.0	74.0-128			2.59	20
Dibromomethane	5.00	4.24	4.36	84.8	87.2	75.0-122			2.79	20
1,2-Dichlorobenzene	5.00	4.49	4.44	89.8	88.8	76.0-124			1.12	20
1,3-Dichlorobenzene	5.00	4.27	4.38	85.4	87.6	76.0-125			2.54	20
1,4-Dichlorobenzene	5.00	3.85	4.29	77.0	85.8	77.0-121			10.8	20
Dichlorodifluoromethane	5.00	5.40	5.28	108	106	43.0-156			2.25	20
1,1-Dichloroethane	5.00	4.50	4.41	90.0	88.2	70.0-127			2.02	20
1,2-Dichloroethane	5.00	4.67	4.88	93.4	97.6	65.0-131			4.40	20
1,1-Dichloroethene	5.00	4.90	5.15	98.0	103	65.0-131			4.98	20
cis-1,2-Dichloroethene	5.00	4.39	4.47	87.8	89.4	73.0-125			1.81	20
trans-1,2-Dichloroethene	5.00	4.34	4.52	86.8	90.4	71.0-125			4.06	20
1,2-Dichloropropane	5.00	4.70	4.73	94.0	94.6	74.0-125			0.636	20
1,1-Dichloropropene	5.00	4.89	4.86	97.8	97.2	73.0-125			0.615	20
1,3-Dichloropropane	5.00	4.38	4.17	87.6	83.4	80.0-125			4.91	20
cis-1,3-Dichloropropene	5.00	4.44	4.40	88.8	88.0	76.0-127			0.905	20
trans-1,3-Dichloropropene	5.00	4.20	4.18	84.0	83.6	73.0-127			0.477	20
2,2-Dichloropropane	5.00	4.48	4.19	89.6	83.8	59.0-135			6.69	20
Di-isopropyl ether	5.00	4.11	4.11	82.2	82.2	60.0-136			0.000	20
Ethylbenzene	5.00	4.34	4.21	86.8	84.2	74.0-126			3.04	20
Hexachloro-1,3-butadiene	5.00	5.69	5.51	114	110	57.0-150			3.21	20
Isopropylbenzene	5.00	4.37	4.18	87.4	83.6	72.0-127			4.44	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3800878-1 06/07/22 19:27 • (LCSD) R3800878-2 06/07/22 19:46

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 %
p-Isopropyltoluene	5.00	4.46	4.37	89.2	87.4	72.0-133			2.04	20
2-Butanone (MEK)	25.0	27.4	26.0	110	104	30.0-160			5.24	24
Methylene Chloride	5.00	4.38	4.04	87.6	80.8	68.0-123			8.08	20
4-Methyl-2-pentanone (MIBK)	25.0	24.7	24.8	98.8	99.2	56.0-143			0.404	20
Methyl tert-butyl ether	5.00	4.12	4.13	82.4	82.6	66.0-132			0.242	20
Naphthalene	5.00	5.67	5.51	113	110	59.0-130			2.86	20
n-Propylbenzene	5.00	4.64	4.52	92.8	90.4	74.0-126			2.62	20
Styrene	5.00	4.07	4.07	81.4	81.4	72.0-127			0.000	20
1,1,1,2-Tetrachloroethane	5.00	4.55	4.15	91.0	83.0	74.0-129			9.20	20
1,1,2,2-Tetrachloroethane	5.00	4.05	3.54	81.0	70.8	68.0-128			13.4	20
1,1,2-Trichlorotrifluoroethane	5.00	4.84	4.44	96.8	88.8	61.0-139			8.62	20
Tetrachloroethene	5.00	4.92	4.59	98.4	91.8	70.0-136			6.94	20
Toluene	5.00	4.39	4.23	87.8	84.6	75.0-121			3.71	20
1,2,3-Trichlorobenzene	5.00	4.81	4.80	96.2	96.0	59.0-139			0.208	20
1,2,4-Trichlorobenzene	5.00	4.68	4.85	93.6	97.0	62.0-137			3.57	20
1,1,1-Trichloroethane	5.00	4.85	4.43	97.0	88.6	69.0-126			9.05	20
1,1,2-Trichloroethane	5.00	4.19	4.27	83.8	85.4	78.0-123			1.89	20
Trichloroethene	5.00	4.88	5.14	97.6	103	76.0-126			5.19	20
Trichlorofluoromethane	5.00	3.68	3.71	73.6	74.2	61.0-142			0.812	20
1,2,3-Trichloropropane	5.00	4.39	4.36	87.8	87.2	67.0-129			0.686	20
1,2,4-Trimethylbenzene	5.00	4.21	4.06	84.2	81.2	70.0-126			3.63	20
1,2,3-Trimethylbenzene	5.00	4.06	4.00	81.2	80.0	74.0-124			1.49	20
1,3,5-Trimethylbenzene	5.00	4.19	4.08	83.8	81.6	73.0-127			2.66	20
Vinyl chloride	5.00	5.32	4.60	106	92.0	63.0-134			14.5	20
Xylenes, Total	15.0	13.3	12.2	88.7	81.3	72.0-127			8.63	20
Ethyl ether	5.00	3.78	3.95	75.6	79.0	64.0-137			4.40	20
Tetrahydrofuran	5.00	4.21	5.04	84.2	101	37.0-146			17.9	24
Iodomethane	25.0	23.3	24.8	93.2	99.2	74.0-134			6.24	20
Allyl chloride	25.0	22.7	22.8	90.8	91.2	70.0-131			0.440	20
trans-1,4-Dichloro-2-butene	5.00	4.41	3.92	88.2	78.4	45.0-143			11.8	20
(S) Toluene-d8				103	104	75.0-131				
(S) 4-Bromofluorobenzene				98.6	97.4	67.0-138				
(S) 1,2-Dichloroethane-d4				105	107	70.0-130				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ 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.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
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.
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.
J4	The associated batch QC was outside the established quality control range for accuracy.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc

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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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 1 of 1

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State Collected: **SEATTLE WA** Please Circle: PT MT CT ET

Phone: **206-529-3980**

Client Project #
443018-1413001.05.60

Lab Project #
PESENVSWA-ALP

Collected by (print):
RTM

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):
[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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

MW-143-052622	Grab	GW		5/26/22	1440	8
BEI-MW-1-052722		GW		5/27/22	0913	3
MW-319-052722		GW		5/27/22	1105	3
MW-318-052722		GW		5/27/22	1105	3
MW-317-052722	Grab	GW		5/25/22	1138	3
		GW				
		GW				
		GW				
		GW				
		GW				

V8260ULLC 40mlAmb-HCl

RSK-175/40ml VOA/HCL
 Sulfate / 125 ml / No Pres
 Iron 3 Manganese / 250ml / HNO3/L2
 TOC / 250ml / HCL



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>

SDG # **1499455**

F041

Acctnum: **PESENVSWA**

Template: **T207758**

Prelogin: **P919183**

PM: **546 - Jared Starkey**

PB:

Shipped Via:

Remarks | Sample # (lab only)

-01
 -02
 -03
 -04
 -05

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: pH _____ Temp _____

Flow _____ Other _____

Samples returned via: UPS ___ FedEx ___ Courier _____ Tracking # _____

Sample Receipt Checklist
 COC Seal Present/Intact: N
 COC Signed/Accurate: N
 Bottles arrive intact: N
 Correct bottles used: N
 Sufficient volume sent: N
 If Applicable
 VOA Zero Headspace: N
 Preservation Correct/Checked: N
 RAL Screen <0.5 mR/hr: N

Relinquished by: (Signature) *[Signature]*

Date: **5/27/22** Time: **1240**

Received by: (Signature) _____

Trip Blank Received: Yes (No) HCL / MeOH TBR

Relinquished by: (Signature) _____

Date: _____ Time: _____

Received by: (Signature) _____

Temp: **1.7** °C Bottles Received: **20**

Relinquished by: (Signature) _____

Date: _____ Time: _____

Received for lab by: (Signature) *[Signature]*

Date: **5/28/22** Time: **1000**

Hold: _____ Condition: **NCF / OK**

PES Environmental, Inc.- WA

Sample Delivery Group: L1501451
Samples Received: 06/04/2022
Project Number: 443018-1413001.10.70
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:



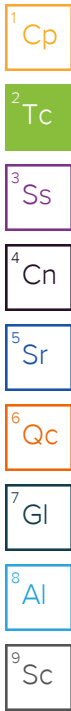
Jared Starkey
Project Manager

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 www.pacenational.com

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SAMPLE SUMMARY

MW-333-053122 L1501451-01 GW

Collected by
RTM

Collected date/time
05/31/22 10:15

Received date/time
06/04/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1878830	1	06/13/22 21:10	06/13/22 21:10	DWR	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-334-053122 L1501451-02 GW

Collected by
RTM

Collected date/time
05/31/22 10:40

Received date/time
06/04/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1878830	1	06/13/22 21:29	06/13/22 21:29	DWR	Mt. Juliet, TN

FMW-140-053122 L1501451-03 GW

Collected by
RTM

Collected date/time
05/31/22 12:00

Received date/time
06/04/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1878830	1	06/13/22 21:49	06/13/22 21:49	DWR	Mt. Juliet, TN

MW-324-053122 L1501451-04 GW

Collected by
RTM

Collected date/time
05/31/22 12:57

Received date/time
06/04/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1878830	50	06/13/22 22:28	06/13/22 22:28	DWR	Mt. Juliet, TN

MW-335-053122 L1501451-05 GW

Collected by
RTM

Collected date/time
05/31/22 13:25

Received date/time
06/04/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1878830	100	06/13/22 22:47	06/13/22 22:47	DWR	Mt. Juliet, TN

MW-336-053122 L1501451-06 GW

Collected by
RTM

Collected date/time
05/31/22 13:55

Received date/time
06/04/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1878830	10	06/13/22 23:07	06/13/22 23:07	DWR	Mt. Juliet, TN

MW-332-053122 L1501451-07 GW

Collected by
RTM

Collected date/time
05/31/22 15:02

Received date/time
06/04/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1878830	1	06/13/22 22:08	06/13/22 22:08	DWR	Mt. Juliet, TN

TB-053122 L1501451-08 GW

Collected by
RTM

Collected date/time
05/31/22 00:00

Received date/time
06/04/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1878830	1	06/13/22 20:12	06/13/22 20:12	DWR	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

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1501451-02	MW-334-053122	8260D

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	1.81	<u>C3</u>	0.548	1.00	1	06/13/2022 21:10	WG1878830
Acrylonitrile	U		0.0760	0.500	1	06/13/2022 21:10	WG1878830
Benzene	U		0.0160	0.0400	1	06/13/2022 21:10	WG1878830
Bromobenzene	U		0.0420	0.500	1	06/13/2022 21:10	WG1878830
Bromodichloromethane	U		0.0315	0.100	1	06/13/2022 21:10	WG1878830
Bromoform	U		0.239	1.00	1	06/13/2022 21:10	WG1878830
Bromomethane	U		0.148	0.500	1	06/13/2022 21:10	WG1878830
n-Butylbenzene	U		0.153	0.500	1	06/13/2022 21:10	WG1878830
sec-Butylbenzene	U		0.101	0.500	1	06/13/2022 21:10	WG1878830
tert-Butylbenzene	U		0.0620	0.200	1	06/13/2022 21:10	WG1878830
Carbon tetrachloride	U		0.0432	0.200	1	06/13/2022 21:10	WG1878830
Chlorobenzene	U		0.0229	0.100	1	06/13/2022 21:10	WG1878830
Chlorodibromomethane	U		0.0180	0.100	1	06/13/2022 21:10	WG1878830
Chloroethane	U		0.0432	0.200	1	06/13/2022 21:10	WG1878830
Chloroform	U		0.0166	0.100	1	06/13/2022 21:10	WG1878830
Chloromethane	U		0.0556	0.500	1	06/13/2022 21:10	WG1878830
2-Chlorotoluene	U		0.0368	0.100	1	06/13/2022 21:10	WG1878830
4-Chlorotoluene	U		0.0452	0.200	1	06/13/2022 21:10	WG1878830
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/13/2022 21:10	WG1878830
1,2-Dibromoethane	U		0.0210	0.100	1	06/13/2022 21:10	WG1878830
Dibromomethane	U		0.0400	0.200	1	06/13/2022 21:10	WG1878830
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/13/2022 21:10	WG1878830
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/13/2022 21:10	WG1878830
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/13/2022 21:10	WG1878830
Dichlorodifluoromethane	U		0.0327	0.100	1	06/13/2022 21:10	WG1878830
1,1-Dichloroethane	U		0.0230	0.100	1	06/13/2022 21:10	WG1878830
1,2-Dichloroethane	U		0.0190	0.100	1	06/13/2022 21:10	WG1878830
1,1-Dichloroethene	U		0.0200	0.100	1	06/13/2022 21:10	WG1878830
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/13/2022 21:10	WG1878830
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/13/2022 21:10	WG1878830
1,2-Dichloropropane	U		0.0508	0.200	1	06/13/2022 21:10	WG1878830
1,1-Dichloropropene	U		0.0280	0.100	1	06/13/2022 21:10	WG1878830
1,3-Dichloropropane	U		0.0700	0.200	1	06/13/2022 21:10	WG1878830
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/13/2022 21:10	WG1878830
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/13/2022 21:10	WG1878830
2,2-Dichloropropane	U		0.0317	0.100	1	06/13/2022 21:10	WG1878830
Di-isopropyl ether	0.206		0.0140	0.0400	1	06/13/2022 21:10	WG1878830
Ethylbenzene	U		0.0212	0.100	1	06/13/2022 21:10	WG1878830
Hexachloro-1,3-butadiene	U	<u>J3</u>	0.508	1.00	1	06/13/2022 21:10	WG1878830
Isopropylbenzene	U		0.0345	0.100	1	06/13/2022 21:10	WG1878830
p-Isopropyltoluene	U		0.0932	0.200	1	06/13/2022 21:10	WG1878830
2-Butanone (MEK)	U		0.500	1.00	1	06/13/2022 21:10	WG1878830
Methylene Chloride	U		0.265	1.00	1	06/13/2022 21:10	WG1878830
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/13/2022 21:10	WG1878830
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/13/2022 21:10	WG1878830
Naphthalene	U		0.124	0.500	1	06/13/2022 21:10	WG1878830
n-Propylbenzene	U		0.0472	0.200	1	06/13/2022 21:10	WG1878830
Styrene	U		0.109	0.500	1	06/13/2022 21:10	WG1878830
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/13/2022 21:10	WG1878830
1,1,2,2-Tetrachloroethane	U	<u>C3</u>	0.0156	0.100	1	06/13/2022 21:10	WG1878830
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/13/2022 21:10	WG1878830
Tetrachloroethene	U		0.0280	0.100	1	06/13/2022 21:10	WG1878830
Toluene	U		0.0500	0.200	1	06/13/2022 21:10	WG1878830
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/13/2022 21:10	WG1878830
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/13/2022 21:10	WG1878830
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/13/2022 21:10	WG1878830

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/13/2022 21:10	WG1878830
Trichloroethene	U		0.0160	0.0400	1	06/13/2022 21:10	WG1878830
Trichlorofluoromethane	U		0.0200	0.100	1	06/13/2022 21:10	WG1878830
1,2,3-Trichloropropane	U		0.204	0.500	1	06/13/2022 21:10	WG1878830
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/13/2022 21:10	WG1878830
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/13/2022 21:10	WG1878830
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/13/2022 21:10	WG1878830
Vinyl chloride	U		0.0273	0.100	1	06/13/2022 21:10	WG1878830
Xylenes, Total	U		0.191	0.260	1	06/13/2022 21:10	WG1878830
Ethyl Ether	U		0.0170	0.100	1	06/13/2022 21:10	WG1878830
Tetrahydrofuran	U	<u>J3</u>	0.0900	0.500	1	06/13/2022 21:10	WG1878830
Iodomethane	U		0.242	0.500	1	06/13/2022 21:10	WG1878830
Allyl chloride	U		0.580	1.00	1	06/13/2022 21:10	WG1878830
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.0560	0.200	1	06/13/2022 21:10	WG1878830
(S) Toluene-d8	103			75.0-131		06/13/2022 21:10	WG1878830
(S) 4-Bromofluorobenzene	100			67.0-138		06/13/2022 21:10	WG1878830
(S) 1,2-Dichloroethane-d4	93.3			70.0-130		06/13/2022 21:10	WG1878830

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
Acetone	1.89	<u>C3</u>	0.548	1.00	1	06/13/2022 21:29	WG1878830
Acrylonitrile	U		0.0760	0.500	1	06/13/2022 21:29	WG1878830
Benzene	U		0.0160	0.0400	1	06/13/2022 21:29	WG1878830
Bromobenzene	U		0.0420	0.500	1	06/13/2022 21:29	WG1878830
Bromodichloromethane	U		0.0315	0.100	1	06/13/2022 21:29	WG1878830
Bromoform	U		0.239	1.00	1	06/13/2022 21:29	WG1878830
Bromomethane	U		0.148	0.500	1	06/13/2022 21:29	WG1878830
n-Butylbenzene	U		0.153	0.500	1	06/13/2022 21:29	WG1878830
sec-Butylbenzene	U		0.101	0.500	1	06/13/2022 21:29	WG1878830
tert-Butylbenzene	U		0.0620	0.200	1	06/13/2022 21:29	WG1878830
Carbon tetrachloride	U		0.0432	0.200	1	06/13/2022 21:29	WG1878830
Chlorobenzene	U		0.0229	0.100	1	06/13/2022 21:29	WG1878830
Chlorodibromomethane	U		0.0180	0.100	1	06/13/2022 21:29	WG1878830
Chloroethane	U		0.0432	0.200	1	06/13/2022 21:29	WG1878830
Chloroform	U		0.0166	0.100	1	06/13/2022 21:29	WG1878830
Chloromethane	U		0.0556	0.500	1	06/13/2022 21:29	WG1878830
2-Chlorotoluene	U		0.0368	0.100	1	06/13/2022 21:29	WG1878830
4-Chlorotoluene	U		0.0452	0.200	1	06/13/2022 21:29	WG1878830
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/13/2022 21:29	WG1878830
1,2-Dibromoethane	U		0.0210	0.100	1	06/13/2022 21:29	WG1878830
Dibromomethane	U		0.0400	0.200	1	06/13/2022 21:29	WG1878830
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/13/2022 21:29	WG1878830
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/13/2022 21:29	WG1878830
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/13/2022 21:29	WG1878830
Dichlorodifluoromethane	U		0.0327	0.100	1	06/13/2022 21:29	WG1878830
1,1-Dichloroethane	U		0.0230	0.100	1	06/13/2022 21:29	WG1878830
1,2-Dichloroethane	U		0.0190	0.100	1	06/13/2022 21:29	WG1878830
1,1-Dichloroethene	U		0.0200	0.100	1	06/13/2022 21:29	WG1878830
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/13/2022 21:29	WG1878830
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/13/2022 21:29	WG1878830
1,2-Dichloropropane	U		0.0508	0.200	1	06/13/2022 21:29	WG1878830
1,1-Dichloropropene	U		0.0280	0.100	1	06/13/2022 21:29	WG1878830
1,3-Dichloropropane	U		0.0700	0.200	1	06/13/2022 21:29	WG1878830
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/13/2022 21:29	WG1878830
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/13/2022 21:29	WG1878830
2,2-Dichloropropane	U		0.0317	0.100	1	06/13/2022 21:29	WG1878830
Di-isopropyl ether	U		0.0140	0.0400	1	06/13/2022 21:29	WG1878830
Ethylbenzene	U		0.0212	0.100	1	06/13/2022 21:29	WG1878830
Hexachloro-1,3-butadiene	U	<u>J3</u>	0.508	1.00	1	06/13/2022 21:29	WG1878830
Isopropylbenzene	U		0.0345	0.100	1	06/13/2022 21:29	WG1878830
p-Isopropyltoluene	U		0.0932	0.200	1	06/13/2022 21:29	WG1878830
2-Butanone (MEK)	U		0.500	1.00	1	06/13/2022 21:29	WG1878830
Methylene Chloride	U		0.265	1.00	1	06/13/2022 21:29	WG1878830
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/13/2022 21:29	WG1878830
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/13/2022 21:29	WG1878830
Naphthalene	U		0.124	0.500	1	06/13/2022 21:29	WG1878830
n-Propylbenzene	U		0.0472	0.200	1	06/13/2022 21:29	WG1878830
Styrene	U		0.109	0.500	1	06/13/2022 21:29	WG1878830
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/13/2022 21:29	WG1878830
1,1,2,2-Tetrachloroethane	U	<u>C3</u>	0.0156	0.100	1	06/13/2022 21:29	WG1878830
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/13/2022 21:29	WG1878830
Tetrachloroethene	U		0.0280	0.100	1	06/13/2022 21:29	WG1878830
Toluene	U		0.0500	0.200	1	06/13/2022 21:29	WG1878830
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/13/2022 21:29	WG1878830
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/13/2022 21:29	WG1878830
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/13/2022 21:29	WG1878830

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/13/2022 21:29	WG1878830
Trichloroethene	U		0.0160	0.0400	1	06/13/2022 21:29	WG1878830
Trichlorofluoromethane	U		0.0200	0.100	1	06/13/2022 21:29	WG1878830
1,2,3-Trichloropropane	U		0.204	0.500	1	06/13/2022 21:29	WG1878830
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/13/2022 21:29	WG1878830
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/13/2022 21:29	WG1878830
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/13/2022 21:29	WG1878830
Vinyl chloride	U		0.0273	0.100	1	06/13/2022 21:29	WG1878830
Xylenes, Total	U		0.191	0.260	1	06/13/2022 21:29	WG1878830
Ethyl Ether	U		0.0170	0.100	1	06/13/2022 21:29	WG1878830
Tetrahydrofuran	U	<u>J3</u>	0.0900	0.500	1	06/13/2022 21:29	WG1878830
Iodomethane	U		0.242	0.500	1	06/13/2022 21:29	WG1878830
Allyl chloride	U		0.580	1.00	1	06/13/2022 21:29	WG1878830
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.0560	0.200	1	06/13/2022 21:29	WG1878830
(S) Toluene-d8	99.4			75.0-131		06/13/2022 21:29	WG1878830
(S) 4-Bromofluorobenzene	99.3			67.0-138		06/13/2022 21:29	WG1878830
(S) 1,2-Dichloroethane-d4	93.3			70.0-130		06/13/2022 21:29	WG1878830

- 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
Acetone	1.12	C3	0.548	1.00	1	06/13/2022 21:49	WG1878830
Acrylonitrile	U		0.0760	0.500	1	06/13/2022 21:49	WG1878830
Benzene	36.4		0.0160	0.0400	1	06/13/2022 21:49	WG1878830
Bromobenzene	U		0.0420	0.500	1	06/13/2022 21:49	WG1878830
Bromodichloromethane	U		0.0315	0.100	1	06/13/2022 21:49	WG1878830
Bromoform	U		0.239	1.00	1	06/13/2022 21:49	WG1878830
Bromomethane	U		0.148	0.500	1	06/13/2022 21:49	WG1878830
n-Butylbenzene	U		0.153	0.500	1	06/13/2022 21:49	WG1878830
sec-Butylbenzene	U		0.101	0.500	1	06/13/2022 21:49	WG1878830
tert-Butylbenzene	U		0.0620	0.200	1	06/13/2022 21:49	WG1878830
Carbon tetrachloride	U		0.0432	0.200	1	06/13/2022 21:49	WG1878830
Chlorobenzene	U		0.0229	0.100	1	06/13/2022 21:49	WG1878830
Chlorodibromomethane	U		0.0180	0.100	1	06/13/2022 21:49	WG1878830
Chloroethane	U		0.0432	0.200	1	06/13/2022 21:49	WG1878830
Chloroform	0.253		0.0166	0.100	1	06/13/2022 21:49	WG1878830
Chloromethane	U		0.0556	0.500	1	06/13/2022 21:49	WG1878830
2-Chlorotoluene	U		0.0368	0.100	1	06/13/2022 21:49	WG1878830
4-Chlorotoluene	U		0.0452	0.200	1	06/13/2022 21:49	WG1878830
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/13/2022 21:49	WG1878830
1,2-Dibromoethane	U		0.0210	0.100	1	06/13/2022 21:49	WG1878830
Dibromomethane	U		0.0400	0.200	1	06/13/2022 21:49	WG1878830
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/13/2022 21:49	WG1878830
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/13/2022 21:49	WG1878830
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/13/2022 21:49	WG1878830
Dichlorodifluoromethane	U		0.0327	0.100	1	06/13/2022 21:49	WG1878830
1,1-Dichloroethane	0.137		0.0230	0.100	1	06/13/2022 21:49	WG1878830
1,2-Dichloroethane	U		0.0190	0.100	1	06/13/2022 21:49	WG1878830
1,1-Dichloroethene	U		0.0200	0.100	1	06/13/2022 21:49	WG1878830
cis-1,2-Dichloroethene	2.51		0.0276	0.100	1	06/13/2022 21:49	WG1878830
trans-1,2-Dichloroethene	0.0880	J	0.0572	0.200	1	06/13/2022 21:49	WG1878830
1,2-Dichloropropane	U		0.0508	0.200	1	06/13/2022 21:49	WG1878830
1,1-Dichloropropene	U		0.0280	0.100	1	06/13/2022 21:49	WG1878830
1,3-Dichloropropane	U		0.0700	0.200	1	06/13/2022 21:49	WG1878830
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/13/2022 21:49	WG1878830
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/13/2022 21:49	WG1878830
2,2-Dichloropropane	U		0.0317	0.100	1	06/13/2022 21:49	WG1878830
Di-isopropyl ether	0.602		0.0140	0.0400	1	06/13/2022 21:49	WG1878830
Ethylbenzene	U		0.0212	0.100	1	06/13/2022 21:49	WG1878830
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/13/2022 21:49	WG1878830
Isopropylbenzene	U		0.0345	0.100	1	06/13/2022 21:49	WG1878830
p-Isopropyltoluene	U		0.0932	0.200	1	06/13/2022 21:49	WG1878830
2-Butanone (MEK)	U		0.500	1.00	1	06/13/2022 21:49	WG1878830
Methylene Chloride	U		0.265	1.00	1	06/13/2022 21:49	WG1878830
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/13/2022 21:49	WG1878830
Methyl tert-butyl ether	0.371		0.0118	0.0400	1	06/13/2022 21:49	WG1878830
Naphthalene	U		0.124	0.500	1	06/13/2022 21:49	WG1878830
n-Propylbenzene	U		0.0472	0.200	1	06/13/2022 21:49	WG1878830
Styrene	U		0.109	0.500	1	06/13/2022 21:49	WG1878830
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/13/2022 21:49	WG1878830
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	06/13/2022 21:49	WG1878830
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/13/2022 21:49	WG1878830
Tetrachloroethene	U		0.0280	0.100	1	06/13/2022 21:49	WG1878830
Toluene	0.135	J	0.0500	0.200	1	06/13/2022 21:49	WG1878830
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/13/2022 21:49	WG1878830
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/13/2022 21:49	WG1878830
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/13/2022 21:49	WG1878830

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/13/2022 21:49	WG1878830
Trichloroethene	U		0.0160	0.0400	1	06/13/2022 21:49	WG1878830
Trichlorofluoromethane	U		0.0200	0.100	1	06/13/2022 21:49	WG1878830
1,2,3-Trichloropropane	U		0.204	0.500	1	06/13/2022 21:49	WG1878830
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/13/2022 21:49	WG1878830
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/13/2022 21:49	WG1878830
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/13/2022 21:49	WG1878830
Vinyl chloride	66.4		0.0273	0.100	1	06/13/2022 21:49	WG1878830
Xylenes, Total	U		0.191	0.260	1	06/13/2022 21:49	WG1878830
Ethyl Ether	0.506		0.0170	0.100	1	06/13/2022 21:49	WG1878830
Tetrahydrofuran	U	<u>J3</u>	0.0900	0.500	1	06/13/2022 21:49	WG1878830
Iodomethane	U		0.242	0.500	1	06/13/2022 21:49	WG1878830
Allyl chloride	U		0.580	1.00	1	06/13/2022 21:49	WG1878830
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.0560	0.200	1	06/13/2022 21:49	WG1878830
(S) Toluene-d8	102			75.0-131		06/13/2022 21:49	WG1878830
(S) 4-Bromofluorobenzene	101			67.0-138		06/13/2022 21:49	WG1878830
(S) 1,2-Dichloroethane-d4	91.8			70.0-130		06/13/2022 21:49	WG1878830

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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

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	<u>C3</u>	27.4	50.0	50	06/13/2022 22:28	WG1878830
Acrylonitrile	U		3.80	25.0	50	06/13/2022 22:28	WG1878830
Benzene	2.55		0.800	2.00	50	06/13/2022 22:28	WG1878830
Bromobenzene	U		2.10	25.0	50	06/13/2022 22:28	WG1878830
Bromodichloromethane	U		1.58	5.00	50	06/13/2022 22:28	WG1878830
Bromoform	U		12.0	50.0	50	06/13/2022 22:28	WG1878830
Bromomethane	U		7.40	25.0	50	06/13/2022 22:28	WG1878830
n-Butylbenzene	U		7.65	25.0	50	06/13/2022 22:28	WG1878830
sec-Butylbenzene	U		5.05	25.0	50	06/13/2022 22:28	WG1878830
tert-Butylbenzene	U		3.10	10.0	50	06/13/2022 22:28	WG1878830
Carbon tetrachloride	U		2.16	10.0	50	06/13/2022 22:28	WG1878830
Chlorobenzene	U		1.15	5.00	50	06/13/2022 22:28	WG1878830
Chlorodibromomethane	U		0.900	5.00	50	06/13/2022 22:28	WG1878830
Chloroethane	U		2.16	10.0	50	06/13/2022 22:28	WG1878830
Chloroform	U		0.830	5.00	50	06/13/2022 22:28	WG1878830
Chloromethane	U		2.78	25.0	50	06/13/2022 22:28	WG1878830
2-Chlorotoluene	U		1.84	5.00	50	06/13/2022 22:28	WG1878830
4-Chlorotoluene	U		2.26	10.0	50	06/13/2022 22:28	WG1878830
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	06/13/2022 22:28	WG1878830
1,2-Dibromoethane	U		1.05	5.00	50	06/13/2022 22:28	WG1878830
Dibromomethane	U		2.00	10.0	50	06/13/2022 22:28	WG1878830
1,2-Dichlorobenzene	U		2.90	10.0	50	06/13/2022 22:28	WG1878830
1,3-Dichlorobenzene	U		3.40	10.0	50	06/13/2022 22:28	WG1878830
1,4-Dichlorobenzene	U		3.94	10.0	50	06/13/2022 22:28	WG1878830
Dichlorodifluoromethane	U		1.64	5.00	50	06/13/2022 22:28	WG1878830
1,1-Dichloroethane	U		1.15	5.00	50	06/13/2022 22:28	WG1878830
1,2-Dichloroethane	U		0.950	5.00	50	06/13/2022 22:28	WG1878830
1,1-Dichloroethene	8.80		1.00	5.00	50	06/13/2022 22:28	WG1878830
cis-1,2-Dichloroethene	3200		1.38	5.00	50	06/13/2022 22:28	WG1878830
trans-1,2-Dichloroethene	13.7		2.86	10.0	50	06/13/2022 22:28	WG1878830
1,2-Dichloropropane	U		2.54	10.0	50	06/13/2022 22:28	WG1878830
1,1-Dichloropropene	U		1.40	5.00	50	06/13/2022 22:28	WG1878830
1,3-Dichloropropane	U		3.50	10.0	50	06/13/2022 22:28	WG1878830
cis-1,3-Dichloropropene	U		1.36	5.00	50	06/13/2022 22:28	WG1878830
trans-1,3-Dichloropropene	U		3.06	10.0	50	06/13/2022 22:28	WG1878830
2,2-Dichloropropane	U		1.59	5.00	50	06/13/2022 22:28	WG1878830
Di-isopropyl ether	U		0.700	2.00	50	06/13/2022 22:28	WG1878830
Ethylbenzene	U		1.06	5.00	50	06/13/2022 22:28	WG1878830
Hexachloro-1,3-butadiene	U	<u>J3</u>	25.4	50.0	50	06/13/2022 22:28	WG1878830
Isopropylbenzene	U		1.73	5.00	50	06/13/2022 22:28	WG1878830
p-Isopropyltoluene	U		4.66	10.0	50	06/13/2022 22:28	WG1878830
2-Butanone (MEK)	U		25.0	50.0	50	06/13/2022 22:28	WG1878830
Methylene Chloride	U		13.3	50.0	50	06/13/2022 22:28	WG1878830
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	06/13/2022 22:28	WG1878830
Methyl tert-butyl ether	2.15		0.590	2.00	50	06/13/2022 22:28	WG1878830
Naphthalene	U		6.20	25.0	50	06/13/2022 22:28	WG1878830
n-Propylbenzene	U		2.36	10.0	50	06/13/2022 22:28	WG1878830
Styrene	U		5.45	25.0	50	06/13/2022 22:28	WG1878830
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	06/13/2022 22:28	WG1878830
1,1,2,2-Tetrachloroethane	U	<u>C3</u>	0.780	5.00	50	06/13/2022 22:28	WG1878830
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	06/13/2022 22:28	WG1878830
Tetrachloroethene	U		1.40	5.00	50	06/13/2022 22:28	WG1878830
Toluene	U		2.50	10.0	50	06/13/2022 22:28	WG1878830
1,2,3-Trichlorobenzene	U		1.25	25.0	50	06/13/2022 22:28	WG1878830
1,2,4-Trichlorobenzene	U		9.65	25.0	50	06/13/2022 22:28	WG1878830
1,1,1-Trichloroethane	U		0.550	5.00	50	06/13/2022 22:28	WG1878830

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
1,1,2-Trichloroethane	U		1.77	5.00	50	06/13/2022 22:28	WG1878830
Trichloroethene	U		0.800	2.00	50	06/13/2022 22:28	WG1878830
Trichlorofluoromethane	U		1.00	5.00	50	06/13/2022 22:28	WG1878830
1,2,3-Trichloropropane	U		10.2	25.0	50	06/13/2022 22:28	WG1878830
1,2,4-Trimethylbenzene	U		2.32	10.0	50	06/13/2022 22:28	WG1878830
1,2,3-Trimethylbenzene	U		2.30	10.0	50	06/13/2022 22:28	WG1878830
1,3,5-Trimethylbenzene	U		2.16	10.0	50	06/13/2022 22:28	WG1878830
Vinyl chloride	101		1.36	5.00	50	06/13/2022 22:28	WG1878830
Xylenes, Total	U		9.55	13.0	50	06/13/2022 22:28	WG1878830
Ethyl Ether	U		0.850	5.00	50	06/13/2022 22:28	WG1878830
Tetrahydrofuran	U	<u>J3</u>	4.50	25.0	50	06/13/2022 22:28	WG1878830
Iodomethane	U		12.1	25.0	50	06/13/2022 22:28	WG1878830
Allyl chloride	U		29.0	50.0	50	06/13/2022 22:28	WG1878830
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	2.80	10.0	50	06/13/2022 22:28	WG1878830
(S) Toluene-d8	98.8			75.0-131		06/13/2022 22:28	WG1878830
(S) 4-Bromofluorobenzene	100			67.0-138		06/13/2022 22:28	WG1878830
(S) 1,2-Dichloroethane-d4	92.6			70.0-130		06/13/2022 22:28	WG1878830

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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

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	<u>C3</u>	54.8	100	100	06/13/2022 22:47	WG1878830
Acrylonitrile	U		7.60	50.0	100	06/13/2022 22:47	WG1878830
Benzene	U		1.60	4.00	100	06/13/2022 22:47	WG1878830
Bromobenzene	U		4.20	50.0	100	06/13/2022 22:47	WG1878830
Bromodichloromethane	U		3.15	10.0	100	06/13/2022 22:47	WG1878830
Bromoform	U		23.9	100	100	06/13/2022 22:47	WG1878830
Bromomethane	U		14.8	50.0	100	06/13/2022 22:47	WG1878830
n-Butylbenzene	U		15.3	50.0	100	06/13/2022 22:47	WG1878830
sec-Butylbenzene	U		10.1	50.0	100	06/13/2022 22:47	WG1878830
tert-Butylbenzene	U		6.20	20.0	100	06/13/2022 22:47	WG1878830
Carbon tetrachloride	U		4.32	20.0	100	06/13/2022 22:47	WG1878830
Chlorobenzene	U		2.29	10.0	100	06/13/2022 22:47	WG1878830
Chlorodibromomethane	U		1.80	10.0	100	06/13/2022 22:47	WG1878830
Chloroethane	U		4.32	20.0	100	06/13/2022 22:47	WG1878830
Chloroform	U		1.66	10.0	100	06/13/2022 22:47	WG1878830
Chloromethane	U		5.56	50.0	100	06/13/2022 22:47	WG1878830
2-Chlorotoluene	U		3.68	10.0	100	06/13/2022 22:47	WG1878830
4-Chlorotoluene	U		4.52	20.0	100	06/13/2022 22:47	WG1878830
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	06/13/2022 22:47	WG1878830
1,2-Dibromoethane	U		2.10	10.0	100	06/13/2022 22:47	WG1878830
Dibromomethane	U		4.00	20.0	100	06/13/2022 22:47	WG1878830
1,2-Dichlorobenzene	U		5.80	20.0	100	06/13/2022 22:47	WG1878830
1,3-Dichlorobenzene	U		6.80	20.0	100	06/13/2022 22:47	WG1878830
1,4-Dichlorobenzene	U		7.88	20.0	100	06/13/2022 22:47	WG1878830
Dichlorodifluoromethane	U		3.27	10.0	100	06/13/2022 22:47	WG1878830
1,1-Dichloroethane	U		2.30	10.0	100	06/13/2022 22:47	WG1878830
1,2-Dichloroethane	U		1.90	10.0	100	06/13/2022 22:47	WG1878830
1,1-Dichloroethene	U		2.00	10.0	100	06/13/2022 22:47	WG1878830
cis-1,2-Dichloroethene	540		2.76	10.0	100	06/13/2022 22:47	WG1878830
trans-1,2-Dichloroethene	U		5.72	20.0	100	06/13/2022 22:47	WG1878830
1,2-Dichloropropane	U		5.08	20.0	100	06/13/2022 22:47	WG1878830
1,1-Dichloropropene	U		2.80	10.0	100	06/13/2022 22:47	WG1878830
1,3-Dichloropropane	U		7.00	20.0	100	06/13/2022 22:47	WG1878830
cis-1,3-Dichloropropene	U		2.71	10.0	100	06/13/2022 22:47	WG1878830
trans-1,3-Dichloropropene	U		6.12	20.0	100	06/13/2022 22:47	WG1878830
2,2-Dichloropropane	U		3.17	10.0	100	06/13/2022 22:47	WG1878830
Di-isopropyl ether	U		1.40	4.00	100	06/13/2022 22:47	WG1878830
Ethylbenzene	U		2.12	10.0	100	06/13/2022 22:47	WG1878830
Hexachloro-1,3-butadiene	U	<u>J3</u>	50.8	100	100	06/13/2022 22:47	WG1878830
Isopropylbenzene	U		3.45	10.0	100	06/13/2022 22:47	WG1878830
p-Isopropyltoluene	U		9.32	20.0	100	06/13/2022 22:47	WG1878830
2-Butanone (MEK)	U		50.0	100	100	06/13/2022 22:47	WG1878830
Methylene Chloride	U		26.5	100	100	06/13/2022 22:47	WG1878830
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	06/13/2022 22:47	WG1878830
Methyl tert-butyl ether	U		1.18	4.00	100	06/13/2022 22:47	WG1878830
Naphthalene	U		12.4	50.0	100	06/13/2022 22:47	WG1878830
n-Propylbenzene	U		4.72	20.0	100	06/13/2022 22:47	WG1878830
Styrene	U		10.9	50.0	100	06/13/2022 22:47	WG1878830
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	06/13/2022 22:47	WG1878830
1,1,2,2-Tetrachloroethane	U	<u>C3</u>	1.56	10.0	100	06/13/2022 22:47	WG1878830
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	06/13/2022 22:47	WG1878830
Tetrachloroethene	154		2.80	10.0	100	06/13/2022 22:47	WG1878830
Toluene	U		5.00	20.0	100	06/13/2022 22:47	WG1878830
1,2,3-Trichlorobenzene	U		2.50	50.0	100	06/13/2022 22:47	WG1878830
1,2,4-Trichlorobenzene	U		19.3	50.0	100	06/13/2022 22:47	WG1878830
1,1,1-Trichloroethane	U		1.10	10.0	100	06/13/2022 22:47	WG1878830

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
1,1,2-Trichloroethane	U		3.53	10.0	100	06/13/2022 22:47	WG1878830
Trichloroethene	204		1.60	4.00	100	06/13/2022 22:47	WG1878830
Trichlorofluoromethane	U		2.00	10.0	100	06/13/2022 22:47	WG1878830
1,2,3-Trichloropropane	U		20.4	50.0	100	06/13/2022 22:47	WG1878830
1,2,4-Trimethylbenzene	U		4.64	20.0	100	06/13/2022 22:47	WG1878830
1,2,3-Trimethylbenzene	U		4.60	20.0	100	06/13/2022 22:47	WG1878830
1,3,5-Trimethylbenzene	U		4.32	20.0	100	06/13/2022 22:47	WG1878830
Vinyl chloride	U		2.73	10.0	100	06/13/2022 22:47	WG1878830
Xylenes, Total	U		19.1	26.0	100	06/13/2022 22:47	WG1878830
Ethyl Ether	U		1.70	10.0	100	06/13/2022 22:47	WG1878830
Tetrahydrofuran	U	<u>J3</u>	9.00	50.0	100	06/13/2022 22:47	WG1878830
Iodomethane	U		24.2	50.0	100	06/13/2022 22:47	WG1878830
Allyl chloride	U		58.0	100	100	06/13/2022 22:47	WG1878830
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	5.60	20.0	100	06/13/2022 22:47	WG1878830
(S) Toluene-d8	99.4			75.0-131		06/13/2022 22:47	WG1878830
(S) 4-Bromofluorobenzene	100			67.0-138		06/13/2022 22:47	WG1878830
(S) 1,2-Dichloroethane-d4	94.6			70.0-130		06/13/2022 22:47	WG1878830

- 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	<u>C3</u>	5.48	10.0	10	06/13/2022 23:07	WG1878830
Acrylonitrile	U		0.760	5.00	10	06/13/2022 23:07	WG1878830
Benzene	0.230	<u>J</u>	0.160	0.400	10	06/13/2022 23:07	WG1878830
Bromobenzene	U		0.420	5.00	10	06/13/2022 23:07	WG1878830
Bromodichloromethane	U		0.315	1.00	10	06/13/2022 23:07	WG1878830
Bromoform	U		2.39	10.0	10	06/13/2022 23:07	WG1878830
Bromomethane	U		1.48	5.00	10	06/13/2022 23:07	WG1878830
n-Butylbenzene	U		1.53	5.00	10	06/13/2022 23:07	WG1878830
sec-Butylbenzene	U		1.01	5.00	10	06/13/2022 23:07	WG1878830
tert-Butylbenzene	U		0.620	2.00	10	06/13/2022 23:07	WG1878830
Carbon tetrachloride	U		0.432	2.00	10	06/13/2022 23:07	WG1878830
Chlorobenzene	U		0.229	1.00	10	06/13/2022 23:07	WG1878830
Chlorodibromomethane	U		0.180	1.00	10	06/13/2022 23:07	WG1878830
Chloroethane	U		0.432	2.00	10	06/13/2022 23:07	WG1878830
Chloroform	U		0.166	1.00	10	06/13/2022 23:07	WG1878830
Chloromethane	U		0.556	5.00	10	06/13/2022 23:07	WG1878830
2-Chlorotoluene	U		0.368	1.00	10	06/13/2022 23:07	WG1878830
4-Chlorotoluene	U		0.452	2.00	10	06/13/2022 23:07	WG1878830
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	06/13/2022 23:07	WG1878830
1,2-Dibromoethane	U		0.210	1.00	10	06/13/2022 23:07	WG1878830
Dibromomethane	U		0.400	2.00	10	06/13/2022 23:07	WG1878830
1,2-Dichlorobenzene	U		0.580	2.00	10	06/13/2022 23:07	WG1878830
1,3-Dichlorobenzene	U		0.680	2.00	10	06/13/2022 23:07	WG1878830
1,4-Dichlorobenzene	U		0.788	2.00	10	06/13/2022 23:07	WG1878830
Dichlorodifluoromethane	U		0.327	1.00	10	06/13/2022 23:07	WG1878830
1,1-Dichloroethane	U		0.230	1.00	10	06/13/2022 23:07	WG1878830
1,2-Dichloroethane	U		0.190	1.00	10	06/13/2022 23:07	WG1878830
1,1-Dichloroethene	U		0.200	1.00	10	06/13/2022 23:07	WG1878830
cis-1,2-Dichloroethene	263		0.276	1.00	10	06/13/2022 23:07	WG1878830
trans-1,2-Dichloroethene	1.03	<u>J</u>	0.572	2.00	10	06/13/2022 23:07	WG1878830
1,2-Dichloropropane	U		0.508	2.00	10	06/13/2022 23:07	WG1878830
1,1-Dichloropropene	U		0.280	1.00	10	06/13/2022 23:07	WG1878830
1,3-Dichloropropane	U		0.700	2.00	10	06/13/2022 23:07	WG1878830
cis-1,3-Dichloropropene	U		0.271	1.00	10	06/13/2022 23:07	WG1878830
trans-1,3-Dichloropropene	U		0.612	2.00	10	06/13/2022 23:07	WG1878830
2,2-Dichloropropane	U		0.317	1.00	10	06/13/2022 23:07	WG1878830
Di-isopropyl ether	U		0.140	0.400	10	06/13/2022 23:07	WG1878830
Ethylbenzene	U		0.212	1.00	10	06/13/2022 23:07	WG1878830
Hexachloro-1,3-butadiene	U	<u>J3</u>	5.08	10.0	10	06/13/2022 23:07	WG1878830
Isopropylbenzene	U		0.345	1.00	10	06/13/2022 23:07	WG1878830
p-Isopropyltoluene	U		0.932	2.00	10	06/13/2022 23:07	WG1878830
2-Butanone (MEK)	U		5.00	10.0	10	06/13/2022 23:07	WG1878830
Methylene Chloride	U		2.65	10.0	10	06/13/2022 23:07	WG1878830
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	06/13/2022 23:07	WG1878830
Methyl tert-butyl ether	U		0.118	0.400	10	06/13/2022 23:07	WG1878830
Naphthalene	U		1.24	5.00	10	06/13/2022 23:07	WG1878830
n-Propylbenzene	U		0.472	2.00	10	06/13/2022 23:07	WG1878830
Styrene	U		1.09	5.00	10	06/13/2022 23:07	WG1878830
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	06/13/2022 23:07	WG1878830
1,1,2,2-Tetrachloroethane	U	<u>C3</u>	0.156	1.00	10	06/13/2022 23:07	WG1878830
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	06/13/2022 23:07	WG1878830
Tetrachloroethene	U		0.280	1.00	10	06/13/2022 23:07	WG1878830
Toluene	U		0.500	2.00	10	06/13/2022 23:07	WG1878830
1,2,3-Trichlorobenzene	U		0.250	5.00	10	06/13/2022 23:07	WG1878830
1,2,4-Trichlorobenzene	U		1.93	5.00	10	06/13/2022 23:07	WG1878830
1,1,1-Trichloroethane	U		0.110	1.00	10	06/13/2022 23:07	WG1878830

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
1,1,2-Trichloroethane	U		0.353	1.00	10	06/13/2022 23:07	WG1878830
Trichloroethene	0.620		0.160	0.400	10	06/13/2022 23:07	WG1878830
Trichlorofluoromethane	U		0.200	1.00	10	06/13/2022 23:07	WG1878830
1,2,3-Trichloropropane	U		2.04	5.00	10	06/13/2022 23:07	WG1878830
1,2,4-Trimethylbenzene	U		0.464	2.00	10	06/13/2022 23:07	WG1878830
1,2,3-Trimethylbenzene	U		0.460	2.00	10	06/13/2022 23:07	WG1878830
1,3,5-Trimethylbenzene	U		0.432	2.00	10	06/13/2022 23:07	WG1878830
Vinyl chloride	7.39		0.273	1.00	10	06/13/2022 23:07	WG1878830
Xylenes, Total	U		1.91	2.60	10	06/13/2022 23:07	WG1878830
Ethyl Ether	U		0.170	1.00	10	06/13/2022 23:07	WG1878830
Tetrahydrofuran	U	<u>J3</u>	0.900	5.00	10	06/13/2022 23:07	WG1878830
Iodomethane	U		2.42	5.00	10	06/13/2022 23:07	WG1878830
Allyl chloride	U		5.80	10.0	10	06/13/2022 23:07	WG1878830
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.560	2.00	10	06/13/2022 23:07	WG1878830
(S) Toluene-d8	96.1			75.0-131		06/13/2022 23:07	WG1878830
(S) 4-Bromofluorobenzene	100			67.0-138		06/13/2022 23:07	WG1878830
(S) 1,2-Dichloroethane-d4	92.4			70.0-130		06/13/2022 23:07	WG1878830

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	<u>C3</u>	0.548	1.00	1	06/13/2022 22:08	WG1878830
Acrylonitrile	U		0.0760	0.500	1	06/13/2022 22:08	WG1878830
Benzene	U		0.0160	0.0400	1	06/13/2022 22:08	WG1878830
Bromobenzene	U		0.0420	0.500	1	06/13/2022 22:08	WG1878830
Bromodichloromethane	U		0.0315	0.100	1	06/13/2022 22:08	WG1878830
Bromoform	U		0.239	1.00	1	06/13/2022 22:08	WG1878830
Bromomethane	U		0.148	0.500	1	06/13/2022 22:08	WG1878830
n-Butylbenzene	U		0.153	0.500	1	06/13/2022 22:08	WG1878830
sec-Butylbenzene	U		0.101	0.500	1	06/13/2022 22:08	WG1878830
tert-Butylbenzene	U		0.0620	0.200	1	06/13/2022 22:08	WG1878830
Carbon tetrachloride	U		0.0432	0.200	1	06/13/2022 22:08	WG1878830
Chlorobenzene	U		0.0229	0.100	1	06/13/2022 22:08	WG1878830
Chlorodibromomethane	U		0.0180	0.100	1	06/13/2022 22:08	WG1878830
Chloroethane	U		0.0432	0.200	1	06/13/2022 22:08	WG1878830
Chloroform	U		0.0166	0.100	1	06/13/2022 22:08	WG1878830
Chloromethane	U		0.0556	0.500	1	06/13/2022 22:08	WG1878830
2-Chlorotoluene	U		0.0368	0.100	1	06/13/2022 22:08	WG1878830
4-Chlorotoluene	U		0.0452	0.200	1	06/13/2022 22:08	WG1878830
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/13/2022 22:08	WG1878830
1,2-Dibromoethane	U		0.0210	0.100	1	06/13/2022 22:08	WG1878830
Dibromomethane	U		0.0400	0.200	1	06/13/2022 22:08	WG1878830
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/13/2022 22:08	WG1878830
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/13/2022 22:08	WG1878830
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/13/2022 22:08	WG1878830
Dichlorodifluoromethane	U		0.0327	0.100	1	06/13/2022 22:08	WG1878830
1,1-Dichloroethane	U		0.0230	0.100	1	06/13/2022 22:08	WG1878830
1,2-Dichloroethane	U		0.0190	0.100	1	06/13/2022 22:08	WG1878830
1,1-Dichloroethene	U		0.0200	0.100	1	06/13/2022 22:08	WG1878830
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/13/2022 22:08	WG1878830
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/13/2022 22:08	WG1878830
1,2-Dichloropropane	U		0.0508	0.200	1	06/13/2022 22:08	WG1878830
1,1-Dichloropropene	U		0.0280	0.100	1	06/13/2022 22:08	WG1878830
1,3-Dichloropropane	U		0.0700	0.200	1	06/13/2022 22:08	WG1878830
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/13/2022 22:08	WG1878830
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/13/2022 22:08	WG1878830
2,2-Dichloropropane	U		0.0317	0.100	1	06/13/2022 22:08	WG1878830
Di-isopropyl ether	U		0.0140	0.0400	1	06/13/2022 22:08	WG1878830
Ethylbenzene	U		0.0212	0.100	1	06/13/2022 22:08	WG1878830
Hexachloro-1,3-butadiene	U	<u>J3</u>	0.508	1.00	1	06/13/2022 22:08	WG1878830
Isopropylbenzene	U		0.0345	0.100	1	06/13/2022 22:08	WG1878830
p-Isopropyltoluene	U		0.0932	0.200	1	06/13/2022 22:08	WG1878830
2-Butanone (MEK)	U		0.500	1.00	1	06/13/2022 22:08	WG1878830
Methylene Chloride	U		0.265	1.00	1	06/13/2022 22:08	WG1878830
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/13/2022 22:08	WG1878830
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/13/2022 22:08	WG1878830
Naphthalene	U		0.124	0.500	1	06/13/2022 22:08	WG1878830
n-Propylbenzene	U		0.0472	0.200	1	06/13/2022 22:08	WG1878830
Styrene	U		0.109	0.500	1	06/13/2022 22:08	WG1878830
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/13/2022 22:08	WG1878830
1,1,2,2-Tetrachloroethane	U	<u>C3</u>	0.0156	0.100	1	06/13/2022 22:08	WG1878830
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/13/2022 22:08	WG1878830
Tetrachloroethene	U		0.0280	0.100	1	06/13/2022 22:08	WG1878830
Toluene	U		0.0500	0.200	1	06/13/2022 22:08	WG1878830
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/13/2022 22:08	WG1878830
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/13/2022 22:08	WG1878830
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/13/2022 22:08	WG1878830

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/13/2022 22:08	WG1878830
Trichloroethene	U		0.0160	0.0400	1	06/13/2022 22:08	WG1878830
Trichlorofluoromethane	U		0.0200	0.100	1	06/13/2022 22:08	WG1878830
1,2,3-Trichloropropane	U		0.204	0.500	1	06/13/2022 22:08	WG1878830
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/13/2022 22:08	WG1878830
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/13/2022 22:08	WG1878830
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/13/2022 22:08	WG1878830
Vinyl chloride	U		0.0273	0.100	1	06/13/2022 22:08	WG1878830
Xylenes, Total	U		0.191	0.260	1	06/13/2022 22:08	WG1878830
Ethyl Ether	U		0.0170	0.100	1	06/13/2022 22:08	WG1878830
Tetrahydrofuran	U	<u>J3</u>	0.0900	0.500	1	06/13/2022 22:08	WG1878830
Iodomethane	U		0.242	0.500	1	06/13/2022 22:08	WG1878830
Allyl chloride	U		0.580	1.00	1	06/13/2022 22:08	WG1878830
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.0560	0.200	1	06/13/2022 22:08	WG1878830
(S) Toluene-d8	100			75.0-131		06/13/2022 22:08	WG1878830
(S) 4-Bromofluorobenzene	97.1			67.0-138		06/13/2022 22:08	WG1878830
(S) 1,2-Dichloroethane-d4	91.4			70.0-130		06/13/2022 22:08	WG1878830

1
Cp

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Tc

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Ss

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Cn

5
Sr

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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
Acetone	U	<u>C3</u>	0.548	1.00	1	06/13/2022 20:12	WG1878830
Acrylonitrile	U		0.0760	0.500	1	06/13/2022 20:12	WG1878830
Benzene	U		0.0160	0.0400	1	06/13/2022 20:12	WG1878830
Bromobenzene	U		0.0420	0.500	1	06/13/2022 20:12	WG1878830
Bromodichloromethane	U		0.0315	0.100	1	06/13/2022 20:12	WG1878830
Bromoform	U		0.239	1.00	1	06/13/2022 20:12	WG1878830
Bromomethane	U		0.148	0.500	1	06/13/2022 20:12	WG1878830
n-Butylbenzene	U		0.153	0.500	1	06/13/2022 20:12	WG1878830
sec-Butylbenzene	U		0.101	0.500	1	06/13/2022 20:12	WG1878830
tert-Butylbenzene	U		0.0620	0.200	1	06/13/2022 20:12	WG1878830
Carbon tetrachloride	U		0.0432	0.200	1	06/13/2022 20:12	WG1878830
Chlorobenzene	U		0.0229	0.100	1	06/13/2022 20:12	WG1878830
Chlorodibromomethane	U		0.0180	0.100	1	06/13/2022 20:12	WG1878830
Chloroethane	U		0.0432	0.200	1	06/13/2022 20:12	WG1878830
Chloroform	U		0.0166	0.100	1	06/13/2022 20:12	WG1878830
Chloromethane	U		0.0556	0.500	1	06/13/2022 20:12	WG1878830
2-Chlorotoluene	U		0.0368	0.100	1	06/13/2022 20:12	WG1878830
4-Chlorotoluene	U		0.0452	0.200	1	06/13/2022 20:12	WG1878830
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/13/2022 20:12	WG1878830
1,2-Dibromoethane	U		0.0210	0.100	1	06/13/2022 20:12	WG1878830
Dibromomethane	U		0.0400	0.200	1	06/13/2022 20:12	WG1878830
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/13/2022 20:12	WG1878830
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/13/2022 20:12	WG1878830
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/13/2022 20:12	WG1878830
Dichlorodifluoromethane	U		0.0327	0.100	1	06/13/2022 20:12	WG1878830
1,1-Dichloroethane	U		0.0230	0.100	1	06/13/2022 20:12	WG1878830
1,2-Dichloroethane	U		0.0190	0.100	1	06/13/2022 20:12	WG1878830
1,1-Dichloroethene	U		0.0200	0.100	1	06/13/2022 20:12	WG1878830
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/13/2022 20:12	WG1878830
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/13/2022 20:12	WG1878830
1,2-Dichloropropane	U		0.0508	0.200	1	06/13/2022 20:12	WG1878830
1,1-Dichloropropene	U		0.0280	0.100	1	06/13/2022 20:12	WG1878830
1,3-Dichloropropane	U		0.0700	0.200	1	06/13/2022 20:12	WG1878830
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/13/2022 20:12	WG1878830
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/13/2022 20:12	WG1878830
2,2-Dichloropropane	U		0.0317	0.100	1	06/13/2022 20:12	WG1878830
Di-isopropyl ether	U		0.0140	0.0400	1	06/13/2022 20:12	WG1878830
Ethylbenzene	U		0.0212	0.100	1	06/13/2022 20:12	WG1878830
Hexachloro-1,3-butadiene	U	<u>J3</u>	0.508	1.00	1	06/13/2022 20:12	WG1878830
Isopropylbenzene	U		0.0345	0.100	1	06/13/2022 20:12	WG1878830
p-Isopropyltoluene	U		0.0932	0.200	1	06/13/2022 20:12	WG1878830
2-Butanone (MEK)	U		0.500	1.00	1	06/13/2022 20:12	WG1878830
Methylene Chloride	U		0.265	1.00	1	06/13/2022 20:12	WG1878830
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/13/2022 20:12	WG1878830
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/13/2022 20:12	WG1878830
Naphthalene	U		0.124	0.500	1	06/13/2022 20:12	WG1878830
n-Propylbenzene	U		0.0472	0.200	1	06/13/2022 20:12	WG1878830
Styrene	U		0.109	0.500	1	06/13/2022 20:12	WG1878830
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/13/2022 20:12	WG1878830
1,1,2,2-Tetrachloroethane	U	<u>C3</u>	0.0156	0.100	1	06/13/2022 20:12	WG1878830
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/13/2022 20:12	WG1878830
Tetrachloroethene	U		0.0280	0.100	1	06/13/2022 20:12	WG1878830
Toluene	U		0.0500	0.200	1	06/13/2022 20:12	WG1878830
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/13/2022 20:12	WG1878830
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/13/2022 20:12	WG1878830
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/13/2022 20:12	WG1878830

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/13/2022 20:12	WG1878830
Trichloroethene	U		0.0160	0.0400	1	06/13/2022 20:12	WG1878830
Trichlorofluoromethane	U		0.0200	0.100	1	06/13/2022 20:12	WG1878830
1,2,3-Trichloropropane	U		0.204	0.500	1	06/13/2022 20:12	WG1878830
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/13/2022 20:12	WG1878830
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/13/2022 20:12	WG1878830
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/13/2022 20:12	WG1878830
Vinyl chloride	U		0.0273	0.100	1	06/13/2022 20:12	WG1878830
Xylenes, Total	U		0.191	0.260	1	06/13/2022 20:12	WG1878830
Ethyl Ether	U		0.0170	0.100	1	06/13/2022 20:12	WG1878830
Tetrahydrofuran	U	<u>J3</u>	0.0900	0.500	1	06/13/2022 20:12	WG1878830
Iodomethane	U		0.242	0.500	1	06/13/2022 20:12	WG1878830
Allyl chloride	U		0.580	1.00	1	06/13/2022 20:12	WG1878830
Trans-1,4-Dichloro-2-butene	U	<u>C3</u>	0.0560	0.200	1	06/13/2022 20:12	WG1878830
(S) Toluene-d8	102			75.0-131		06/13/2022 20:12	WG1878830
(S) 4-Bromofluorobenzene	102			67.0-138		06/13/2022 20:12	WG1878830
(S) 1,2-Dichloroethane-d4	91.0			70.0-130		06/13/2022 20:12	WG1878830

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3803115-3 06/13/22 19:32

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3803115-3 06/13/22 19:32

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	98.4			75.0-131
(S) 4-Bromofluorobenzene	96.6			67.0-138
(S) 1,2-Dichloroethane-d4	93.9			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3803115-1 06/13/22 18:13 • (LCSD) R3803115-2 06/13/22 18:33

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	17.3	21.3	69.2	85.2	10.0-160			20.7	31
Acrylonitrile	25.0	23.3	25.6	93.2	102	45.0-153			9.41	22
Benzene	5.00	4.41	4.91	88.2	98.2	70.0-123			10.7	20
Bromobenzene	5.00	4.45	5.29	89.0	106	73.0-121			17.2	20
Bromodichloromethane	5.00	4.56	5.16	91.2	103	73.0-121			12.3	20
Bromoform	5.00	4.44	4.93	88.8	98.6	64.0-132			10.5	20
Bromomethane	5.00	4.23	4.77	84.6	95.4	56.0-147			12.0	20
n-Butylbenzene	5.00	4.21	4.67	84.2	93.4	68.0-135			10.4	20
sec-Butylbenzene	5.00	4.30	5.09	86.0	102	74.0-130			16.8	20
tert-Butylbenzene	5.00	4.33	5.03	86.6	101	75.0-127			15.0	20
Carbon tetrachloride	5.00	4.69	5.34	93.8	107	66.0-128			13.0	20
Chlorobenzene	5.00	4.72	5.43	94.4	109	76.0-128			14.0	20
Chlorodibromomethane	5.00	4.72	5.26	94.4	105	74.0-127			10.8	20
Chloroethane	5.00	4.57	5.23	91.4	105	61.0-134			13.5	20
Chloroform	5.00	4.66	5.15	93.2	103	72.0-123			9.99	20
Chloromethane	5.00	5.63	5.03	113	101	51.0-138			11.3	20
2-Chlorotoluene	5.00	4.31	4.75	86.2	95.0	75.0-124			9.71	20
4-Chlorotoluene	5.00	4.44	5.11	88.8	102	75.0-124			14.0	20
1,2-Dibromo-3-Chloropropane	5.00	4.19	4.63	83.8	92.6	59.0-130			9.98	20
1,2-Dibromoethane	5.00	4.75	5.12	95.0	102	74.0-128			7.50	20
Dibromomethane	5.00	4.87	5.46	97.4	109	75.0-122			11.4	20
1,2-Dichlorobenzene	5.00	4.40	5.07	88.0	101	76.0-124			14.1	20
1,3-Dichlorobenzene	5.00	4.44	5.41	88.8	108	76.0-125			19.7	20
1,4-Dichlorobenzene	5.00	4.33	4.94	86.6	98.8	77.0-121			13.2	20
Dichlorodifluoromethane	5.00	4.98	5.80	99.6	116	43.0-156			15.2	20
1,1-Dichloroethane	5.00	4.57	5.21	91.4	104	70.0-127			13.1	20
1,2-Dichloroethane	5.00	4.66	5.13	93.2	103	65.0-131			9.60	20
1,1-Dichloroethene	5.00	4.50	4.99	90.0	99.8	65.0-131			10.3	20
cis-1,2-Dichloroethene	5.00	4.80	5.35	96.0	107	73.0-125			10.8	20
trans-1,2-Dichloroethene	5.00	4.52	5.28	90.4	106	71.0-125			15.5	20
1,2-Dichloropropane	5.00	4.62	5.24	92.4	105	74.0-125			12.6	20
1,1-Dichloropropene	5.00	4.64	5.31	92.8	106	73.0-125			13.5	20
1,3-Dichloropropane	5.00	4.76	5.06	95.2	101	80.0-125			6.11	20
cis-1,3-Dichloropropene	5.00	4.62	5.06	92.4	101	76.0-127			9.09	20
trans-1,3-Dichloropropene	5.00	4.58	5.11	91.6	102	73.0-127			10.9	20
2,2-Dichloropropane	5.00	4.30	4.99	86.0	99.8	59.0-135			14.9	20
Di-isopropyl ether	5.00	4.70	4.89	94.0	97.8	60.0-136			3.96	20
Ethylbenzene	5.00	4.67	5.36	93.4	107	74.0-126			13.8	20
Hexachloro-1,3-butadiene	5.00	4.74	5.82	94.8	116	57.0-150		J3	20.5	20
Isopropylbenzene	5.00	4.63	5.25	92.6	105	72.0-127			12.6	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3803115-1 06/13/22 18:13 • (LCSD) R3803115-2 06/13/22 18:33

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 %
p-Isopropyltoluene	5.00	4.37	5.11	87.4	102	72.0-133			15.6	20
2-Butanone (MEK)	25.0	21.7	24.8	86.8	99.2	30.0-160			13.3	24
Methylene Chloride	5.00	4.06	4.50	81.2	90.0	68.0-123			10.3	20
4-Methyl-2-pentanone (MIBK)	25.0	24.9	26.8	99.6	107	56.0-143			7.35	20
Methyl tert-butyl ether	5.00	4.61	5.04	92.2	101	66.0-132			8.91	20
Naphthalene	5.00	4.17	4.74	83.4	94.8	59.0-130			12.8	20
n-Propylbenzene	5.00	4.34	4.99	86.8	99.8	74.0-126			13.9	20
Styrene	5.00	4.68	5.14	93.6	103	72.0-127			9.37	20
1,1,1,2-Tetrachloroethane	5.00	4.42	4.77	88.4	95.4	74.0-129			7.62	20
1,1,2,2-Tetrachloroethane	5.00	3.97	4.31	79.4	86.2	68.0-128			8.21	20
1,1,2-Trichlorotrifluoroethane	5.00	4.49	5.25	89.8	105	61.0-139			15.6	20
Tetrachloroethene	5.00	4.80	5.38	96.0	108	70.0-136			11.4	20
Toluene	5.00	4.14	4.71	82.8	94.2	75.0-121			12.9	20
1,2,3-Trichlorobenzene	5.00	4.64	5.38	92.8	108	59.0-139			14.8	20
1,2,4-Trichlorobenzene	5.00	4.72	5.24	94.4	105	62.0-137			10.4	20
1,1,1-Trichloroethane	5.00	4.67	5.57	93.4	111	69.0-126			17.6	20
1,1,2-Trichloroethane	5.00	4.79	5.17	95.8	103	78.0-123			7.63	20
Trichloroethene	5.00	4.72	5.31	94.4	106	76.0-126			11.8	20
Trichlorofluoromethane	5.00	4.85	5.68	97.0	114	61.0-142			15.8	20
1,2,3-Trichloropropane	5.00	4.71	4.82	94.2	96.4	67.0-129			2.31	20
1,2,4-Trimethylbenzene	5.00	4.04	4.60	80.8	92.0	70.0-126			13.0	20
1,2,3-Trimethylbenzene	5.00	4.35	4.89	87.0	97.8	74.0-124			11.7	20
1,3,5-Trimethylbenzene	5.00	4.18	4.84	83.6	96.8	73.0-127			14.6	20
Vinyl chloride	5.00	4.43	5.37	88.6	107	63.0-134			19.2	20
Xylenes, Total	15.0	13.5	15.3	90.0	102	72.0-127			12.5	20
Ethyl ether	5.00	4.77	4.84	95.4	96.8	64.0-137			1.46	20
Tetrahydrofuran	5.00	6.43	4.81	129	96.2	37.0-146		J3	28.8	24
Iodomethane	25.0	24.0	26.8	96.0	107	74.0-134			11.0	20
Allyl chloride	25.0	21.0	24.3	84.0	97.2	70.0-131			14.6	20
trans-1,4-Dichloro-2-butene	5.00	3.50	3.73	70.0	74.6	45.0-143			6.36	20
(S) Toluene-d8				99.8	98.2	75.0-131				
(S) 4-Bromofluorobenzene				98.8	101	67.0-138				
(S) 1,2-Dichloroethane-d4				95.3	89.6	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 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.
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.
J3	The associated batch QC was outside the established quality control range for precision.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc

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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

Chain of Custody Page 1 of 1

Report to: **Brian O'Neal/Bill Haldeman**

Email To: **Shannon.McKernan@nv5.com;brian.oneal@nv5.com**

Project Description: **American Linen** City/State Collected: **SEATTLE, WA** Please Circle: **PT MT CT ET**

Phone: **206-529-3980** Client Project # **443018-1413001.05-60** Lab Project # **PESENVSWA-ALP**
 Collected by (print): **RTM** Site/Facility ID # **10701** P.O. # **443018-1413001.05-60**
 Collected by (signature): **RTM** **Rush?** (Lab MUST Be Notified)
 ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
 Immediately Packed on Ice **N** **Y**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis / Container / Preservative	Chain of Custody
MW-333-053122	Grab	GW		5/31/22	1015	3	V8260ULLC 40mlAmb-HCl	
MW-334-053122		GW			1040	3		
FMW-140-053122		GW			1200	3		
MW-324-053122		GW			1257	3		
MW-335-053122		GW			1325	3		
MW-336-053122		GW			1355	3		
MW-332-053122	Grab	GW		5/31/22	1502	3		
TB-053122		GW				1		

Pace
 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>

SDG # **1501451**
G129

Acctnum: **PESENVSWA**
 Template: **T207758**
 Prelogin: **P919183**
 PM: **546 - Jared Starkey**
 PB:

Shipped Via:

* Matrix: **SS - Soil AIR - Air F - Filter**
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks: **pH _____ Temp _____**
Flow _____ Other _____

Samples returned via: **UPS** Tracking # _____

Relinquished by: (Signature) **[Signature]** Date: **6/3/22** Time: **9:05** Received by: (Signature) **Chris Deboer** Trip Blank Received: **1** (Yes/No) **(HCl) MeoH TBR**

Relinquished by: (Signature) **Chris Deboer** Date: **6/3/22** Time: **1515** Received by: (Signature) **[Signature]** Temp: **PMAG°C** Bottles Received: **2.0 21** If preservation required by Login: Date/Time

Relinquished by: (Signature) **[Signature]** Date: **6/4/22** Time: **930** Received for lab by: (Signature) **[Signature]** Date: **6/4/22** Time: **930** Hold: Condition: **NCF / OK**

Sample Receipt Checklist

COC Seal Present/Intact:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
COC Signed/Accurate:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
Bottles arrive intact:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
Correct bottles used:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
Sufficient volume sent:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
If Applicable				
VOA Zero Headspace:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
Preservation Correct/Checked:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N

PES Environmental, Inc.- WA

Sample Delivery Group: L1503156
Samples Received: 06/08/2022
Project Number: 443018-1413001.10.70
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
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 www.pacenational.com

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SAMPLE SUMMARY

MW115-060322 L1503156-01 GW

Collected by: Chris DeBoer
 Collected date/time: 06/03/22 11:55
 Received date/time: 06/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1887297	1	06/30/22 01:03	06/30/22 01:03	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1882236	1	06/20/22 23:49	06/20/22 23:49	KMO	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1879852	1	06/15/22 18:01	06/19/22 22:34	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1878980	1	06/15/22 11:16	06/15/22 11:16	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1878830	1	06/14/22 02:21	06/14/22 02:21	DWR	Mt. Juliet, TN



MW-323-060322 L1503156-02 GW

Collected by: Chris DeBoer
 Collected date/time: 06/03/22 13:15
 Received date/time: 06/08/22 09:00

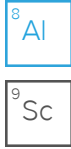
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	25	06/17/22 22:33	06/17/22 22:33	ADM	Mt. Juliet, TN



FMW-137-060522 L1503156-03 GW

Collected by: Chris DeBoer
 Collected date/time: 06/05/22 07:30
 Received date/time: 06/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	1	06/17/22 17:05	06/17/22 17:05	ADM	Mt. Juliet, TN



FMW-142-060522 L1503156-04 GW

Collected by: Chris DeBoer
 Collected date/time: 06/05/22 08:35
 Received date/time: 06/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	1	06/17/22 17:24	06/17/22 17:24	ADM	Mt. Juliet, TN

TB-060522 L1503156-05 GW

Collected by: Chris DeBoer
 Collected date/time: 06/05/22 00:00
 Received date/time: 06/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	1	06/17/22 15:08	06/17/22 15:08	ADM	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.



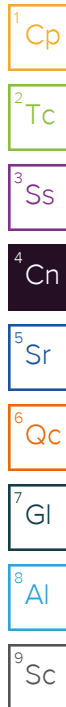
Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 06/30/22 17:49

Project Narrative

ID Correction



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	67200		594	5000	1	06/30/2022 01:03	WG1887297

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)	5780		102	1000	1	06/20/2022 23:49	WG1882236

Metals (ICPMS) by Method 6020B

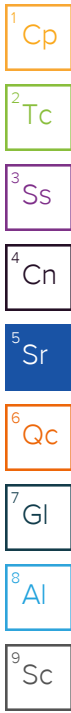
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4150		28.1	100	1	06/19/2022 22:34	WG1879852
Manganese	1140		0.704	5.00	1	06/19/2022 22:34	WG1879852

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	477		2.91	10.0	1	06/15/2022 11:16	WG1878980
Ethane	U		4.07	13.0	1	06/15/2022 11:16	WG1878980
Ethene	U		4.26	13.0	1	06/15/2022 11:16	WG1878980

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	C3	0.548	1.00	1	06/14/2022 02:21	WG1878830
Acrylonitrile	U		0.0760	0.500	1	06/14/2022 02:21	WG1878830
Benzene	U		0.0160	0.0400	1	06/14/2022 02:21	WG1878830
Bromobenzene	U		0.0420	0.500	1	06/14/2022 02:21	WG1878830
Bromodichloromethane	U		0.0315	0.100	1	06/14/2022 02:21	WG1878830
Bromoform	U		0.239	1.00	1	06/14/2022 02:21	WG1878830
Bromomethane	U		0.148	0.500	1	06/14/2022 02:21	WG1878830
n-Butylbenzene	U		0.153	0.500	1	06/14/2022 02:21	WG1878830
sec-Butylbenzene	U		0.101	0.500	1	06/14/2022 02:21	WG1878830
tert-Butylbenzene	U		0.0620	0.200	1	06/14/2022 02:21	WG1878830
Carbon tetrachloride	U		0.0432	0.200	1	06/14/2022 02:21	WG1878830
Chlorobenzene	U		0.0229	0.100	1	06/14/2022 02:21	WG1878830
Chlorodibromomethane	U		0.0180	0.100	1	06/14/2022 02:21	WG1878830
Chloroethane	U		0.0432	0.200	1	06/14/2022 02:21	WG1878830
Chloroform	U		0.0166	0.100	1	06/14/2022 02:21	WG1878830
Chloromethane	U		0.0556	0.500	1	06/14/2022 02:21	WG1878830
2-Chlorotoluene	U		0.0368	0.100	1	06/14/2022 02:21	WG1878830
4-Chlorotoluene	U		0.0452	0.200	1	06/14/2022 02:21	WG1878830
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/14/2022 02:21	WG1878830
1,2-Dibromoethane	U		0.0210	0.100	1	06/14/2022 02:21	WG1878830
Dibromomethane	U		0.0400	0.200	1	06/14/2022 02:21	WG1878830
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/14/2022 02:21	WG1878830
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/14/2022 02:21	WG1878830
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/14/2022 02:21	WG1878830
Dichlorodifluoromethane	U		0.0327	0.100	1	06/14/2022 02:21	WG1878830
1,1-Dichloroethane	U		0.0230	0.100	1	06/14/2022 02:21	WG1878830
1,2-Dichloroethane	U		0.0190	0.100	1	06/14/2022 02:21	WG1878830
1,1-Dichloroethene	U		0.0200	0.100	1	06/14/2022 02:21	WG1878830
cis-1,2-Dichloroethene	0.540		0.0276	0.100	1	06/14/2022 02:21	WG1878830
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/14/2022 02:21	WG1878830
1,2-Dichloropropane	U		0.0508	0.200	1	06/14/2022 02:21	WG1878830



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	06/14/2022 02:21	WG1878830
1,3-Dichloropropane	U		0.0700	0.200	1	06/14/2022 02:21	WG1878830
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/14/2022 02:21	WG1878830
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/14/2022 02:21	WG1878830
2,2-Dichloropropane	U		0.0317	0.100	1	06/14/2022 02:21	WG1878830
Di-isopropyl ether	U		0.0140	0.0400	1	06/14/2022 02:21	WG1878830
Ethylbenzene	U		0.0212	0.100	1	06/14/2022 02:21	WG1878830
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/14/2022 02:21	WG1878830
Isopropylbenzene	U		0.0345	0.100	1	06/14/2022 02:21	WG1878830
p-Isopropyltoluene	U		0.0932	0.200	1	06/14/2022 02:21	WG1878830
2-Butanone (MEK)	U		0.500	1.00	1	06/14/2022 02:21	WG1878830
Methylene Chloride	U		0.265	1.00	1	06/14/2022 02:21	WG1878830
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/14/2022 02:21	WG1878830
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/14/2022 02:21	WG1878830
Naphthalene	U		0.124	0.500	1	06/14/2022 02:21	WG1878830
n-Propylbenzene	U		0.0472	0.200	1	06/14/2022 02:21	WG1878830
Styrene	U		0.109	0.500	1	06/14/2022 02:21	WG1878830
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/14/2022 02:21	WG1878830
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	06/14/2022 02:21	WG1878830
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/14/2022 02:21	WG1878830
Tetrachloroethene	0.0650	J	0.0280	0.100	1	06/14/2022 02:21	WG1878830
Toluene	U		0.0500	0.200	1	06/14/2022 02:21	WG1878830
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/14/2022 02:21	WG1878830
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/14/2022 02:21	WG1878830
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/14/2022 02:21	WG1878830
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/14/2022 02:21	WG1878830
Trichloroethene	U		0.0160	0.0400	1	06/14/2022 02:21	WG1878830
Trichlorofluoromethane	U		0.0200	0.100	1	06/14/2022 02:21	WG1878830
1,2,3-Trichloropropane	U		0.204	0.500	1	06/14/2022 02:21	WG1878830
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/14/2022 02:21	WG1878830
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/14/2022 02:21	WG1878830
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/14/2022 02:21	WG1878830
Vinyl chloride	6.75		0.0273	0.100	1	06/14/2022 02:21	WG1878830
Xylenes, Total	U		0.191	0.260	1	06/14/2022 02:21	WG1878830
Ethyl Ether	0.189		0.0170	0.100	1	06/14/2022 02:21	WG1878830
Tetrahydrofuran	U	J3	0.0900	0.500	1	06/14/2022 02:21	WG1878830
Iodomethane	U		0.242	0.500	1	06/14/2022 02:21	WG1878830
Allyl chloride	U		0.580	1.00	1	06/14/2022 02:21	WG1878830
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	06/14/2022 02:21	WG1878830
(S) Toluene-d8	99.2			75.0-131		06/14/2022 02:21	WG1878830
(S) 4-Bromofluorobenzene	100			67.0-138		06/14/2022 02:21	WG1878830
(S) 1,2-Dichloroethane-d4	92.9			70.0-130		06/14/2022 02:21	WG1878830

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		13.7	25.0	25	06/17/2022 22:33	WG1880965
Acrylonitrile	U		1.90	12.5	25	06/17/2022 22:33	WG1880965
Benzene	U		0.400	1.00	25	06/17/2022 22:33	WG1880965
Bromobenzene	U		1.05	12.5	25	06/17/2022 22:33	WG1880965
Bromodichloromethane	U		0.788	2.50	25	06/17/2022 22:33	WG1880965
Bromoform	U		5.98	25.0	25	06/17/2022 22:33	WG1880965
Bromomethane	U		3.70	12.5	25	06/17/2022 22:33	WG1880965
n-Butylbenzene	U		3.83	12.5	25	06/17/2022 22:33	WG1880965
sec-Butylbenzene	U		2.53	12.5	25	06/17/2022 22:33	WG1880965
tert-Butylbenzene	U		1.55	5.00	25	06/17/2022 22:33	WG1880965
Carbon tetrachloride	U		1.08	5.00	25	06/17/2022 22:33	WG1880965
Chlorobenzene	U		0.573	2.50	25	06/17/2022 22:33	WG1880965
Chlorodibromomethane	U		0.450	2.50	25	06/17/2022 22:33	WG1880965
Chloroethane	U		1.08	5.00	25	06/17/2022 22:33	WG1880965
Chloroform	U		0.415	2.50	25	06/17/2022 22:33	WG1880965
Chloromethane	U		1.39	12.5	25	06/17/2022 22:33	WG1880965
2-Chlorotoluene	U		0.920	2.50	25	06/17/2022 22:33	WG1880965
4-Chlorotoluene	U		1.13	5.00	25	06/17/2022 22:33	WG1880965
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	06/17/2022 22:33	WG1880965
1,2-Dibromoethane	U		0.525	2.50	25	06/17/2022 22:33	WG1880965
Dibromomethane	U		1.00	5.00	25	06/17/2022 22:33	WG1880965
1,2-Dichlorobenzene	U		1.45	5.00	25	06/17/2022 22:33	WG1880965
1,3-Dichlorobenzene	U		1.70	5.00	25	06/17/2022 22:33	WG1880965
1,4-Dichlorobenzene	U		1.97	5.00	25	06/17/2022 22:33	WG1880965
Dichlorodifluoromethane	U		0.818	2.50	25	06/17/2022 22:33	WG1880965
1,1-Dichloroethane	U		0.575	2.50	25	06/17/2022 22:33	WG1880965
1,2-Dichloroethane	U		0.475	2.50	25	06/17/2022 22:33	WG1880965
1,1-Dichloroethene	0.775	J	0.500	2.50	25	06/17/2022 22:33	WG1880965
cis-1,2-Dichloroethene	354		0.690	2.50	25	06/17/2022 22:33	WG1880965
trans-1,2-Dichloroethene	U		1.43	5.00	25	06/17/2022 22:33	WG1880965
1,2-Dichloropropane	U		1.27	5.00	25	06/17/2022 22:33	WG1880965
1,1-Dichloropropene	U		0.700	2.50	25	06/17/2022 22:33	WG1880965
1,3-Dichloropropane	U		1.75	5.00	25	06/17/2022 22:33	WG1880965
cis-1,3-Dichloropropene	U		0.678	2.50	25	06/17/2022 22:33	WG1880965
trans-1,3-Dichloropropene	U		1.53	5.00	25	06/17/2022 22:33	WG1880965
2,2-Dichloropropane	U		0.793	2.50	25	06/17/2022 22:33	WG1880965
Di-isopropyl ether	U		0.350	1.00	25	06/17/2022 22:33	WG1880965
Ethylbenzene	U		0.530	2.50	25	06/17/2022 22:33	WG1880965
Hexachloro-1,3-butadiene	U		12.7	25.0	25	06/17/2022 22:33	WG1880965
Isopropylbenzene	U		0.863	2.50	25	06/17/2022 22:33	WG1880965
p-Isopropyltoluene	U		2.33	5.00	25	06/17/2022 22:33	WG1880965
2-Butanone (MEK)	U		12.5	25.0	25	06/17/2022 22:33	WG1880965
Methylene Chloride	U		6.63	25.0	25	06/17/2022 22:33	WG1880965
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	06/17/2022 22:33	WG1880965
Methyl tert-butyl ether	U		0.295	1.00	25	06/17/2022 22:33	WG1880965
Naphthalene	U		3.10	12.5	25	06/17/2022 22:33	WG1880965
n-Propylbenzene	U		1.18	5.00	25	06/17/2022 22:33	WG1880965
Styrene	U		2.73	12.5	25	06/17/2022 22:33	WG1880965
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	06/17/2022 22:33	WG1880965
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	06/17/2022 22:33	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	06/17/2022 22:33	WG1880965
Tetrachloroethene	U		0.700	2.50	25	06/17/2022 22:33	WG1880965
Toluene	U		1.25	5.00	25	06/17/2022 22:33	WG1880965
1,2,3-Trichlorobenzene	U		0.625	12.5	25	06/17/2022 22:33	WG1880965
1,2,4-Trichlorobenzene	U		4.83	12.5	25	06/17/2022 22:33	WG1880965
1,1,1-Trichloroethane	U		0.275	2.50	25	06/17/2022 22:33	WG1880965

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
1,1,2-Trichloroethane	U		0.883	2.50	25	06/17/2022 22:33	WG1880965
Trichloroethene	U		0.400	1.00	25	06/17/2022 22:33	WG1880965
Trichlorofluoromethane	U		0.500	2.50	25	06/17/2022 22:33	WG1880965
1,2,3-Trichloropropane	U		5.10	12.5	25	06/17/2022 22:33	WG1880965
1,2,4-Trimethylbenzene	U		1.16	5.00	25	06/17/2022 22:33	WG1880965
1,2,3-Trimethylbenzene	U		1.15	5.00	25	06/17/2022 22:33	WG1880965
1,3,5-Trimethylbenzene	U		1.08	5.00	25	06/17/2022 22:33	WG1880965
Vinyl chloride	45.5		0.682	2.50	25	06/17/2022 22:33	WG1880965
Xylenes, Total	U		4.78	6.50	25	06/17/2022 22:33	WG1880965
Ethyl Ether	U		0.425	2.50	25	06/17/2022 22:33	WG1880965
Tetrahydrofuran	U		2.25	12.5	25	06/17/2022 22:33	WG1880965
Iodomethane	U		6.05	12.5	25	06/17/2022 22:33	WG1880965
Allyl chloride	U		14.5	25.0	25	06/17/2022 22:33	WG1880965
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	06/17/2022 22:33	WG1880965
(S) Toluene-d8	104			75.0-131		06/17/2022 22:33	WG1880965
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/17/2022 22:33	WG1880965
(S) 1,2-Dichloroethane-d4	93.2			70.0-130		06/17/2022 22:33	WG1880965

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

7
Gl

8
Al

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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
Acetone	U		0.548	1.00	1	06/17/2022 17:05	WG1880965
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 17:05	WG1880965
Benzene	0.0210	J	0.0160	0.0400	1	06/17/2022 17:05	WG1880965
Bromobenzene	U		0.0420	0.500	1	06/17/2022 17:05	WG1880965
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 17:05	WG1880965
Bromoform	U		0.239	1.00	1	06/17/2022 17:05	WG1880965
Bromomethane	U		0.148	0.500	1	06/17/2022 17:05	WG1880965
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 17:05	WG1880965
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 17:05	WG1880965
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 17:05	WG1880965
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 17:05	WG1880965
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 17:05	WG1880965
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 17:05	WG1880965
Chloroethane	U		0.0432	0.200	1	06/17/2022 17:05	WG1880965
Chloroform	U		0.0166	0.100	1	06/17/2022 17:05	WG1880965
Chloromethane	U		0.0556	0.500	1	06/17/2022 17:05	WG1880965
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 17:05	WG1880965
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 17:05	WG1880965
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 17:05	WG1880965
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 17:05	WG1880965
Dibromomethane	U		0.0400	0.200	1	06/17/2022 17:05	WG1880965
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 17:05	WG1880965
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 17:05	WG1880965
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 17:05	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 17:05	WG1880965
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 17:05	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 17:05	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 17:05	WG1880965
cis-1,2-Dichloroethene	8.54		0.0276	0.100	1	06/17/2022 17:05	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 17:05	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 17:05	WG1880965
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 17:05	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 17:05	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 17:05	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 17:05	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 17:05	WG1880965
Di-isopropyl ether	0.123		0.0140	0.0400	1	06/17/2022 17:05	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 17:05	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 17:05	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 17:05	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 17:05	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 17:05	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 17:05	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 17:05	WG1880965
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 17:05	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 17:05	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 17:05	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 17:05	WG1880965
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 17:05	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 17:05	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 17:05	WG1880965
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 17:05	WG1880965
Toluene	0.227		0.0500	0.200	1	06/17/2022 17:05	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 17:05	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 17:05	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 17:05	WG1880965

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 17:05	WG1880965
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 17:05	WG1880965
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 17:05	WG1880965
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 17:05	WG1880965
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 17:05	WG1880965
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 17:05	WG1880965
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 17:05	WG1880965
Vinyl chloride	0.182		0.0273	0.100	1	06/17/2022 17:05	WG1880965
Xylenes, Total	0.214	U	0.191	0.260	1	06/17/2022 17:05	WG1880965
Ethyl Ether	U		0.0170	0.100	1	06/17/2022 17:05	WG1880965
Tetrahydrofuran	0.330	U	0.0900	0.500	1	06/17/2022 17:05	WG1880965
Iodomethane	U		0.242	0.500	1	06/17/2022 17:05	WG1880965
Allyl chloride	U		0.580	1.00	1	06/17/2022 17:05	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 17:05	WG1880965
(S) Toluene-d8	102			75.0-131		06/17/2022 17:05	WG1880965
(S) 4-Bromofluorobenzene	101			67.0-138		06/17/2022 17:05	WG1880965
(S) 1,2-Dichloroethane-d4	96.2			70.0-130		06/17/2022 17:05	WG1880965

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	06/17/2022 17:24	WG1880965
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 17:24	WG1880965
Benzene	0.0200	J	0.0160	0.0400	1	06/17/2022 17:24	WG1880965
Bromobenzene	U		0.0420	0.500	1	06/17/2022 17:24	WG1880965
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 17:24	WG1880965
Bromoform	U		0.239	1.00	1	06/17/2022 17:24	WG1880965
Bromomethane	U		0.148	0.500	1	06/17/2022 17:24	WG1880965
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 17:24	WG1880965
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 17:24	WG1880965
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 17:24	WG1880965
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 17:24	WG1880965
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 17:24	WG1880965
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 17:24	WG1880965
Chloroethane	U		0.0432	0.200	1	06/17/2022 17:24	WG1880965
Chloroform	U		0.0166	0.100	1	06/17/2022 17:24	WG1880965
Chloromethane	U		0.0556	0.500	1	06/17/2022 17:24	WG1880965
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 17:24	WG1880965
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 17:24	WG1880965
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 17:24	WG1880965
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 17:24	WG1880965
Dibromomethane	U		0.0400	0.200	1	06/17/2022 17:24	WG1880965
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 17:24	WG1880965
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 17:24	WG1880965
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 17:24	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 17:24	WG1880965
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 17:24	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 17:24	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 17:24	WG1880965
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/17/2022 17:24	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 17:24	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 17:24	WG1880965
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 17:24	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 17:24	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 17:24	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 17:24	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 17:24	WG1880965
Di-isopropyl ether	U		0.0140	0.0400	1	06/17/2022 17:24	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 17:24	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 17:24	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 17:24	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 17:24	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 17:24	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 17:24	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 17:24	WG1880965
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 17:24	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 17:24	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 17:24	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 17:24	WG1880965
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 17:24	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 17:24	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 17:24	WG1880965
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 17:24	WG1880965
Toluene	0.160	J	0.0500	0.200	1	06/17/2022 17:24	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 17:24	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 17:24	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 17:24	WG1880965

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 17:24	WG1880965
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 17:24	WG1880965
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 17:24	WG1880965
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 17:24	WG1880965
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 17:24	WG1880965
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 17:24	WG1880965
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 17:24	WG1880965
Vinyl chloride	U		0.0273	0.100	1	06/17/2022 17:24	WG1880965
Xylenes, Total	U		0.191	0.260	1	06/17/2022 17:24	WG1880965
Ethyl Ether	U		0.0170	0.100	1	06/17/2022 17:24	WG1880965
Tetrahydrofuran	0.203	U	0.0900	0.500	1	06/17/2022 17:24	WG1880965
Iodomethane	U		0.242	0.500	1	06/17/2022 17:24	WG1880965
Allyl chloride	U		0.580	1.00	1	06/17/2022 17:24	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 17:24	WG1880965
(S) Toluene-d8	107			75.0-131		06/17/2022 17:24	WG1880965
(S) 4-Bromofluorobenzene	105			67.0-138		06/17/2022 17:24	WG1880965
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/17/2022 17:24	WG1880965

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	06/17/2022 15:08	WG1880965
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 15:08	WG1880965
Benzene	U		0.0160	0.0400	1	06/17/2022 15:08	WG1880965
Bromobenzene	U		0.0420	0.500	1	06/17/2022 15:08	WG1880965
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 15:08	WG1880965
Bromoform	U		0.239	1.00	1	06/17/2022 15:08	WG1880965
Bromomethane	U		0.148	0.500	1	06/17/2022 15:08	WG1880965
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 15:08	WG1880965
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 15:08	WG1880965
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 15:08	WG1880965
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 15:08	WG1880965
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 15:08	WG1880965
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 15:08	WG1880965
Chloroethane	U		0.0432	0.200	1	06/17/2022 15:08	WG1880965
Chloroform	U		0.0166	0.100	1	06/17/2022 15:08	WG1880965
Chloromethane	U		0.0556	0.500	1	06/17/2022 15:08	WG1880965
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 15:08	WG1880965
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 15:08	WG1880965
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 15:08	WG1880965
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 15:08	WG1880965
Dibromomethane	U		0.0400	0.200	1	06/17/2022 15:08	WG1880965
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 15:08	WG1880965
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 15:08	WG1880965
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 15:08	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 15:08	WG1880965
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 15:08	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 15:08	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 15:08	WG1880965
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/17/2022 15:08	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 15:08	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 15:08	WG1880965
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 15:08	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 15:08	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 15:08	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 15:08	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 15:08	WG1880965
Di-isopropyl ether	U		0.0140	0.0400	1	06/17/2022 15:08	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 15:08	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 15:08	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 15:08	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 15:08	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 15:08	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 15:08	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 15:08	WG1880965
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 15:08	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 15:08	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 15:08	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 15:08	WG1880965
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 15:08	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 15:08	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 15:08	WG1880965
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 15:08	WG1880965
Toluene	U		0.0500	0.200	1	06/17/2022 15:08	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 15:08	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 15:08	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 15:08	WG1880965

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 15:08	WG1880965
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 15:08	WG1880965
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 15:08	WG1880965
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 15:08	WG1880965
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 15:08	WG1880965
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 15:08	WG1880965
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 15:08	WG1880965
Vinyl chloride	U		0.0273	0.100	1	06/17/2022 15:08	WG1880965
Xylenes, Total	U		0.191	0.260	1	06/17/2022 15:08	WG1880965
Ethyl Ether	U		0.0170	0.100	1	06/17/2022 15:08	WG1880965
Tetrahydrofuran	U		0.0900	0.500	1	06/17/2022 15:08	WG1880965
Iodomethane	U		0.242	0.500	1	06/17/2022 15:08	WG1880965
Allyl chloride	U		0.580	1.00	1	06/17/2022 15:08	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 15:08	WG1880965
(S) Toluene-d8	101			75.0-131		06/17/2022 15:08	WG1880965
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/17/2022 15:08	WG1880965
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/17/2022 15:08	WG1880965

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3809453-1 06/29/22 18:06

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1501904-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1501904-06 06/29/22 19:50 • (DUP) R3809453-3 06/29/22 20:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	187000	186000	5	0.600		15

L1503156-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1503156-01 06/30/22 01:03 • (DUP) R3809453-6 06/30/22 01:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	67200	67100	1	0.158		15

Laboratory Control Sample (LCS)

(LCS) R3809453-2 06/29/22 18:21

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	40500	101	80.0-120	

L1501904-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1501904-06 06/29/22 19:50 • (MS) R3809453-4 06/29/22 20:20 • (MSD) R3809453-5 06/29/22 21:05

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	187000	229000	227000	83.3	78.9	5	80.0-120	J6		0.960	15

L1503156-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1503156-01 06/30/22 01:03 • (MS) R3809453-7 06/30/22 01:33

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	67200	115000	95.5	1	80.0-120	E

Method Blank (MB)

(MB) R3805449-2 06/20/22 12:57

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1502614-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1502614-03 06/20/22 17:08 • (DUP) R3805449-3 06/20/22 17:21

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	2470	2380	1	3.63		20

L1502779-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1502779-05 06/20/22 20:14 • (DUP) R3805449-6 06/20/22 20:28

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	5910	6270	1	5.91		20

Laboratory Control Sample (LCS)

(LCS) R3805449-1 06/20/22 12:46

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	77900	104	85.0-115	

L1502737-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1502737-09 06/20/22 18:10 • (MS) R3805449-4 06/20/22 18:25 • (MSD) R3805449-5 06/20/22 18:39

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	1250	54800	54200	107	106	1	80.0-120			1.01	20

L1502779-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1502779-10 06/20/22 22:03 • (MS) R3805449-7 06/20/22 22:20 • (MSD) R3805449-8 06/20/22 22:43

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	2540	54600	54700	104	104	1	80.0-120			0.128	20

Method Blank (MB)

(MB) R3804838-1 06/19/22 20:39

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3804838-2 06/19/22 20:42

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	5110	102	80.0-120	
Manganese	50.0	49.8	99.6	80.0-120	

L1503161-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1503161-03 06/19/22 20:46 • (MS) R3804838-4 06/19/22 20:52 • (MSD) R3804838-5 06/19/22 20:55

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	166	5160	5100	99.8	98.8	1	75.0-125			1.01	20
Manganese	50.0	3.03	51.5	50.6	97.0	95.2	1	75.0-125			1.77	20

Method Blank (MB)

(MB) R3803337-2 06/15/22 08:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		2.91	10.0
Ethane	U		4.07	13.0
Ethene	U		4.26	13.0

L1502396-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1502396-04 06/15/22 08:41 • (DUP) R3803337-3 06/15/22 09:23

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

L1503156-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1503156-01 06/15/22 11:16 • (DUP) R3803337-4 06/15/22 11:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	477	467	1	2.12		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) R3803337-1 06/15/22 08:35 • (LCSD) R3803337-7 06/15/22 11:42

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	74.5	76.4	110	113	85.0-115			2.52	20
Ethane	129	133	129	103	100	85.0-115			3.05	20
Ethene	127	133	130	105	102	85.0-115			2.28	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1502878-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1502878-04 06/15/22 09:29 • (MS) R3803337-5 06/15/22 11:30 • (MSD) R3803337-6 06/15/22 11:33

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 %
Methane	67.8	206	289	288	122	121	1	50.0-150			0.347	20
Ethane	129	U	130	129	101	100	1	50.0-150			0.772	20
Ethene	127	U	130	129	102	102	1	50.0-150			0.772	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3803115-3 06/13/22 19:32

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3803115-3 06/13/22 19:32

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	98.4			75.0-131
(S) 4-Bromofluorobenzene	96.6			67.0-138
(S) 1,2-Dichloroethane-d4	93.9			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3803115-1 06/13/22 18:13 • (LCSD) R3803115-2 06/13/22 18:33

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 %
Acetone	25.0	17.3	21.3	69.2	85.2	10.0-160			20.7	31
Acrylonitrile	25.0	23.3	25.6	93.2	102	45.0-153			9.41	22
Benzene	5.00	4.41	4.91	88.2	98.2	70.0-123			10.7	20
Bromobenzene	5.00	4.45	5.29	89.0	106	73.0-121			17.2	20
Bromodichloromethane	5.00	4.56	5.16	91.2	103	73.0-121			12.3	20
Bromoform	5.00	4.44	4.93	88.8	98.6	64.0-132			10.5	20
Bromomethane	5.00	4.23	4.77	84.6	95.4	56.0-147			12.0	20
n-Butylbenzene	5.00	4.21	4.67	84.2	93.4	68.0-135			10.4	20
sec-Butylbenzene	5.00	4.30	5.09	86.0	102	74.0-130			16.8	20
tert-Butylbenzene	5.00	4.33	5.03	86.6	101	75.0-127			15.0	20
Carbon tetrachloride	5.00	4.69	5.34	93.8	107	66.0-128			13.0	20
Chlorobenzene	5.00	4.72	5.43	94.4	109	76.0-128			14.0	20
Chlorodibromomethane	5.00	4.72	5.26	94.4	105	74.0-127			10.8	20
Chloroethane	5.00	4.57	5.23	91.4	105	61.0-134			13.5	20
Chloroform	5.00	4.66	5.15	93.2	103	72.0-123			9.99	20
Chloromethane	5.00	5.63	5.03	113	101	51.0-138			11.3	20
2-Chlorotoluene	5.00	4.31	4.75	86.2	95.0	75.0-124			9.71	20
4-Chlorotoluene	5.00	4.44	5.11	88.8	102	75.0-124			14.0	20
1,2-Dibromo-3-Chloropropane	5.00	4.19	4.63	83.8	92.6	59.0-130			9.98	20
1,2-Dibromoethane	5.00	4.75	5.12	95.0	102	74.0-128			7.50	20
Dibromomethane	5.00	4.87	5.46	97.4	109	75.0-122			11.4	20
1,2-Dichlorobenzene	5.00	4.40	5.07	88.0	101	76.0-124			14.1	20
1,3-Dichlorobenzene	5.00	4.44	5.41	88.8	108	76.0-125			19.7	20
1,4-Dichlorobenzene	5.00	4.33	4.94	86.6	98.8	77.0-121			13.2	20
Dichlorodifluoromethane	5.00	4.98	5.80	99.6	116	43.0-156			15.2	20
1,1-Dichloroethane	5.00	4.57	5.21	91.4	104	70.0-127			13.1	20
1,2-Dichloroethane	5.00	4.66	5.13	93.2	103	65.0-131			9.60	20
1,1-Dichloroethene	5.00	4.50	4.99	90.0	99.8	65.0-131			10.3	20
cis-1,2-Dichloroethene	5.00	4.80	5.35	96.0	107	73.0-125			10.8	20
trans-1,2-Dichloroethene	5.00	4.52	5.28	90.4	106	71.0-125			15.5	20
1,2-Dichloropropane	5.00	4.62	5.24	92.4	105	74.0-125			12.6	20
1,1-Dichloropropene	5.00	4.64	5.31	92.8	106	73.0-125			13.5	20
1,3-Dichloropropane	5.00	4.76	5.06	95.2	101	80.0-125			6.11	20
cis-1,3-Dichloropropene	5.00	4.62	5.06	92.4	101	76.0-127			9.09	20
trans-1,3-Dichloropropene	5.00	4.58	5.11	91.6	102	73.0-127			10.9	20
2,2-Dichloropropane	5.00	4.30	4.99	86.0	99.8	59.0-135			14.9	20
Di-isopropyl ether	5.00	4.70	4.89	94.0	97.8	60.0-136			3.96	20
Ethylbenzene	5.00	4.67	5.36	93.4	107	74.0-126			13.8	20
Hexachloro-1,3-butadiene	5.00	4.74	5.82	94.8	116	57.0-150		J3	20.5	20
Isopropylbenzene	5.00	4.63	5.25	92.6	105	72.0-127			12.6	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3803115-1 06/13/22 18:13 • (LCSD) R3803115-2 06/13/22 18:33

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 %
p-Isopropyltoluene	5.00	4.37	5.11	87.4	102	72.0-133			15.6	20
2-Butanone (MEK)	25.0	21.7	24.8	86.8	99.2	30.0-160			13.3	24
Methylene Chloride	5.00	4.06	4.50	81.2	90.0	68.0-123			10.3	20
4-Methyl-2-pentanone (MIBK)	25.0	24.9	26.8	99.6	107	56.0-143			7.35	20
Methyl tert-butyl ether	5.00	4.61	5.04	92.2	101	66.0-132			8.91	20
Naphthalene	5.00	4.17	4.74	83.4	94.8	59.0-130			12.8	20
n-Propylbenzene	5.00	4.34	4.99	86.8	99.8	74.0-126			13.9	20
Styrene	5.00	4.68	5.14	93.6	103	72.0-127			9.37	20
1,1,1,2-Tetrachloroethane	5.00	4.42	4.77	88.4	95.4	74.0-129			7.62	20
1,1,2,2-Tetrachloroethane	5.00	3.97	4.31	79.4	86.2	68.0-128			8.21	20
1,1,2-Trichlorotrifluoroethane	5.00	4.49	5.25	89.8	105	61.0-139			15.6	20
Tetrachloroethene	5.00	4.80	5.38	96.0	108	70.0-136			11.4	20
Toluene	5.00	4.14	4.71	82.8	94.2	75.0-121			12.9	20
1,2,3-Trichlorobenzene	5.00	4.64	5.38	92.8	108	59.0-139			14.8	20
1,2,4-Trichlorobenzene	5.00	4.72	5.24	94.4	105	62.0-137			10.4	20
1,1,1-Trichloroethane	5.00	4.67	5.57	93.4	111	69.0-126			17.6	20
1,1,2-Trichloroethane	5.00	4.79	5.17	95.8	103	78.0-123			7.63	20
Trichloroethene	5.00	4.72	5.31	94.4	106	76.0-126			11.8	20
Trichlorofluoromethane	5.00	4.85	5.68	97.0	114	61.0-142			15.8	20
1,2,3-Trichloropropane	5.00	4.71	4.82	94.2	96.4	67.0-129			2.31	20
1,2,4-Trimethylbenzene	5.00	4.04	4.60	80.8	92.0	70.0-126			13.0	20
1,2,3-Trimethylbenzene	5.00	4.35	4.89	87.0	97.8	74.0-124			11.7	20
1,3,5-Trimethylbenzene	5.00	4.18	4.84	83.6	96.8	73.0-127			14.6	20
Vinyl chloride	5.00	4.43	5.37	88.6	107	63.0-134			19.2	20
Xylenes, Total	15.0	13.5	15.3	90.0	102	72.0-127			12.5	20
Ethyl ether	5.00	4.77	4.84	95.4	96.8	64.0-137			1.46	20
Tetrahydrofuran	5.00	6.43	4.81	129	96.2	37.0-146		J3	28.8	24
Iodomethane	25.0	24.0	26.8	96.0	107	74.0-134			11.0	20
Allyl chloride	25.0	21.0	24.3	84.0	97.2	70.0-131			14.6	20
trans-1,4-Dichloro-2-butene	5.00	3.50	3.73	70.0	74.6	45.0-143			6.36	20
(S) Toluene-d8				99.8	98.2	75.0-131				
(S) 4-Bromofluorobenzene				98.8	101	67.0-138				
(S) 1,2-Dichloroethane-d4				95.3	89.6	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3804664-3 06/17/22 12:11

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3804664-3 06/17/22 12:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	107			75.0-131
(S) 4-Bromofluorobenzene	105			67.0-138
(S) 1,2-Dichloroethane-d4	99.2			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3804664-1 06/17/22 10:53 • (LCSD) R3804664-2 06/17/22 11:13

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 %
Acetone	25.0	25.9	24.7	104	98.8	10.0-160			4.74	31
Acrylonitrile	25.0	24.9	25.0	99.6	100	45.0-153			0.401	22
Benzene	5.00	5.03	5.04	101	101	70.0-123			0.199	20
Bromobenzene	5.00	5.22	5.14	104	103	73.0-121			1.54	20
Bromodichloromethane	5.00	5.32	5.27	106	105	73.0-121			0.944	20
Bromoform	5.00	5.62	5.35	112	107	64.0-132			4.92	20
Bromomethane	5.00	5.75	6.15	115	123	56.0-147			6.72	20
n-Butylbenzene	5.00	6.12	6.05	122	121	68.0-135			1.15	20
sec-Butylbenzene	5.00	5.65	5.56	113	111	74.0-130			1.61	20
tert-Butylbenzene	5.00	5.27	5.19	105	104	75.0-127			1.53	20
Carbon tetrachloride	5.00	5.78	5.63	116	113	66.0-128			2.63	20
Chlorobenzene	5.00	5.11	5.08	102	102	76.0-128			0.589	20
Chlorodibromomethane	5.00	5.00	5.09	100	102	74.0-127			1.78	20
Chloroethane	5.00	5.38	5.27	108	105	61.0-134			2.07	20
Chloroform	5.00	5.21	5.25	104	105	72.0-123			0.765	20
Chloromethane	5.00	5.11	4.92	102	98.4	51.0-138			3.79	20
2-Chlorotoluene	5.00	5.48	5.77	110	115	75.0-124			5.16	20
4-Chlorotoluene	5.00	5.75	5.37	115	107	75.0-124			6.83	20
1,2-Dibromo-3-Chloropropane	5.00	5.34	5.47	107	109	59.0-130			2.41	20
1,2-Dibromoethane	5.00	5.21	4.95	104	99.0	74.0-128			5.12	20
Dibromomethane	5.00	4.93	4.94	98.6	98.8	75.0-122			0.203	20
1,2-Dichlorobenzene	5.00	5.36	5.22	107	104	76.0-124			2.65	20
1,3-Dichlorobenzene	5.00	5.38	5.39	108	108	76.0-125			0.186	20
1,4-Dichlorobenzene	5.00	4.97	5.04	99.4	101	77.0-121			1.40	20
Dichlorodifluoromethane	5.00	4.20	4.05	84.0	81.0	43.0-156			3.64	20
1,1-Dichloroethane	5.00	5.06	4.93	101	98.6	70.0-127			2.60	20
1,2-Dichloroethane	5.00	4.80	4.99	96.0	99.8	65.0-131			3.88	20
1,1-Dichloroethene	5.00	5.29	5.15	106	103	65.0-131			2.68	20
cis-1,2-Dichloroethene	5.00	5.83	5.86	117	117	73.0-125			0.513	20
trans-1,2-Dichloroethene	5.00	5.41	5.09	108	102	71.0-125			6.10	20
1,2-Dichloropropane	5.00	4.96	5.05	99.2	101	74.0-125			1.80	20
1,1-Dichloropropene	5.00	5.27	5.21	105	104	73.0-125			1.15	20
1,3-Dichloropropane	5.00	5.24	5.09	105	102	80.0-125			2.90	20
cis-1,3-Dichloropropene	5.00	5.33	5.20	107	104	76.0-127			2.47	20
trans-1,3-Dichloropropene	5.00	4.62	4.84	92.4	96.8	73.0-127			4.65	20
2,2-Dichloropropane	5.00	6.09	5.76	122	115	59.0-135			5.57	20
Di-isopropyl ether	5.00	4.91	4.78	98.2	95.6	60.0-136			2.68	20
Ethylbenzene	5.00	5.39	5.29	108	106	74.0-126			1.87	20
Hexachloro-1,3-butadiene	5.00	5.97	5.75	119	115	57.0-150			3.75	20
Isopropylbenzene	5.00	5.54	5.39	111	108	72.0-127			2.74	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3804664-1 06/17/22 10:53 • (LCSD) R3804664-2 06/17/22 11:13

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 %
p-Isopropyltoluene	5.00	5.48	5.38	110	108	72.0-133			1.84	20
2-Butanone (MEK)	25.0	24.1	23.6	96.4	94.4	30.0-160			2.10	24
Methylene Chloride	5.00	5.31	5.27	106	105	68.0-123			0.756	20
4-Methyl-2-pentanone (MIBK)	25.0	25.6	25.0	102	100	56.0-143			2.37	20
Methyl tert-butyl ether	5.00	4.87	4.81	97.4	96.2	66.0-132			1.24	20
Naphthalene	5.00	4.27	4.40	85.4	88.0	59.0-130			3.00	20
n-Propylbenzene	5.00	5.53	5.37	111	107	74.0-126			2.94	20
Styrene	5.00	5.68	5.37	114	107	72.0-127			5.61	20
1,1,1,2-Tetrachloroethane	5.00	5.17	5.13	103	103	74.0-129			0.777	20
1,1,2,2-Tetrachloroethane	5.00	5.31	5.38	106	108	68.0-128			1.31	20
1,1,2-Trichlorotrifluoroethane	5.00	4.73	4.63	94.6	92.6	61.0-139			2.14	20
Tetrachloroethene	5.00	5.87	5.58	117	112	70.0-136			5.07	20
Toluene	5.00	5.07	4.88	101	97.6	75.0-121			3.82	20
1,2,3-Trichlorobenzene	5.00	5.34	5.34	107	107	59.0-139			0.000	20
1,2,4-Trichlorobenzene	5.00	5.41	5.40	108	108	62.0-137			0.185	20
1,1,1-Trichloroethane	5.00	5.60	5.36	112	107	69.0-126			4.38	20
1,1,2-Trichloroethane	5.00	5.17	5.12	103	102	78.0-123			0.972	20
Trichloroethene	5.00	5.36	5.19	107	104	76.0-126			3.22	20
Trichlorofluoromethane	5.00	5.19	5.06	104	101	61.0-142			2.54	20
1,2,3-Trichloropropane	5.00	5.26	5.40	105	108	67.0-129			2.63	20
1,2,4-Trimethylbenzene	5.00	5.35	5.47	107	109	70.0-126			2.22	20
1,2,3-Trimethylbenzene	5.00	5.14	5.12	103	102	74.0-124			0.390	20
1,3,5-Trimethylbenzene	5.00	5.16	5.05	103	101	73.0-127			2.15	20
Vinyl chloride	5.00	5.34	4.94	107	98.8	63.0-134			7.78	20
Xylenes, Total	15.0	17.1	15.7	114	105	72.0-127			8.54	20
Ethyl ether	5.00	4.85	4.76	97.0	95.2	64.0-137			1.87	20
Tetrahydrofuran	5.00	4.58	4.57	91.6	91.4	37.0-146			0.219	24
Iodomethane	25.0	27.3	27.6	109	110	74.0-134			1.09	20
Allyl chloride	25.0	26.3	25.8	105	103	70.0-131			1.92	20
trans-1,4-Dichloro-2-butene	5.00	4.52	4.66	90.4	93.2	45.0-143			3.05	20
(S) Toluene-d8				101	99.4	75.0-131				
(S) 4-Bromofluorobenzene				103	102	67.0-138				
(S) 1,2-Dichloroethane-d4				99.5	101	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

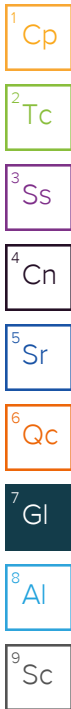
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
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.
J3	The associated batch QC was outside the established quality control range for precision.
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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 1 of 1

Report to: **Brian O'Neal/Bill Haldeman**

Email To: **Shannon.McKernan@nv5.com;brian.oneal@nv5**

Project Description: **American Linen**

City/State Collected: **Seattle, WA**

Please Circle: **PT MT CT ET**

Client Project #: **10701**
443018-1413001.05.60

Lab Project #: **PESENVSWA-ALP**

Phone: **206-529-3980**

Collected by (print): **Chris DeBoer**

Site/Facility ID #

P.O. #: **443018-1413001.05.601**

Collected by (signature): **Chris DeBoer**

Rush? (Lab MUST Be Notified)

Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Date Results Needed: **Standard 1A**

Immediately Packed on Ice N Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	VBZ60U.LC 40mlAmb-HCl	RSK-175 (40ml VOA/HCl)	Sulfate (125ml/NOPTES)	TOC/250 ml/HCl	Iron + Manganese (IC Paps) (250 ml/HCl)
MW 115-060322	Grab	GW	40	6/3/22	1155	8	X	X	X	X	X
MW-323-060322		GW	115	6/3/22	1315	3	X	X	X	X	X
MW-137-060522		GW	825	6/5/22	0730	3	X	X	X	X	X
MW-140-060522		GW	40	6/5/22	0835	3	X	X	X	X	X
TB-060522	-	GW	-	6/5/22	-	1	X	X	X	X	X
		GW									
		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 #: **5433 8382 0314**

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact: Y N

COC Signed/Accurate: Y N

Bottles arrive intact: Y N

Correct bottles used: Y N

Sufficient volume sent: Y N

If Applicable

VOA Zero Headspace: Y N

Preservation Correct/Checked: Y N

RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature) **Chris DeBoer** Date: **6/7/22** Time: **0955**

Received by: (Signature) _____ Trip Blank Received: **Yes/No** HCL/MeOH TBR

Relinquished by: (Signature) _____ Date: _____ Time: _____

Received by: (Signature) _____ Temp: **1.0 + 0 = 1.0** °C Bottles Received: **18**

If preservation required by Login: Date/Time

Relinquished by: (Signature) _____ Date: _____ Time: _____

Received by: (Signature) **M. Webb** Date: **6/8/22** Time: **900**

Hold: _____ Condition: **NCF / OK**



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>

SDG # **L1503156**

Tab **L-171**

Acctnum: **PESENVSWA**
 Template: **T207758**
 Prelogin: **P919183**
 PM: **546 - Jared Starkey**
 PB:

Shipped Via: _____

Remarks _____ Sample # (lab only) _____

July 11, 2022

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: L1504052
Samples Received: 06/10/2022
Project Number: 1413.001.10.701
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:



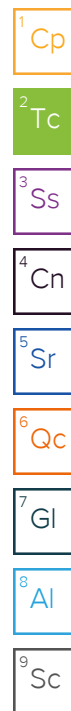
Jared Starkey
Project Manager

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 www.pacenational.com

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SAMPLE SUMMARY

MW-320-060822 L1504052-01 GW

Collected by: RTM
 Collected date/time: 06/08/22 11:06
 Received date/time: 06/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	1	06/17/22 17:44	06/17/22 17:44	ADM	Mt. Juliet, TN

1 Cp

2 Tc

MW113-060822 L1504052-02 GW

Collected by: RTM
 Collected date/time: 06/08/22 11:40
 Received date/time: 06/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1889344	1	07/03/22 23:25	07/03/22 23:25	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1882813	1	06/22/22 06:46	06/22/22 06:46	KMO	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1883988	10	06/28/22 15:23	06/29/22 16:53	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1879164	1	06/17/22 11:35	06/17/22 11:35	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	25	06/17/22 22:53	06/17/22 22:53	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1881692	250	06/20/22 22:33	06/20/22 22:33	JHH	Mt. Juliet, TN

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

MW-322-060822 L1504052-03 GW

Collected by: RTM
 Collected date/time: 06/08/22 12:25
 Received date/time: 06/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	10	06/17/22 23:46	06/17/22 23:46	ADM	Mt. Juliet, TN

8 Al

9 Sc

MW116-060822 L1504052-04 GW

Collected by: RTM
 Collected date/time: 06/08/22 13:01
 Received date/time: 06/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1889344	1	07/03/22 23:38	07/03/22 23:38	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1882813	1	06/22/22 07:00	06/22/22 07:00	KMO	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1883988	10	06/28/22 15:23	06/29/22 16:56	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1879164	1	06/17/22 11:51	06/17/22 11:51	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	1	06/17/22 18:04	06/17/22 18:04	ADM	Mt. Juliet, TN

MW128-060822 L1504052-05 GW

Collected by: RTM
 Collected date/time: 06/08/22 14:10
 Received date/time: 06/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	1	06/17/22 18:23	06/17/22 18:23	ADM	Mt. Juliet, TN

MW-9-060822 L1504052-06 GW

Collected by: RTM
 Collected date/time: 06/08/22 15:00
 Received date/time: 06/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1889344	1	07/03/22 23:51	07/03/22 23:51	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1882813	1	06/22/22 07:19	06/22/22 07:19	KMO	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1883990	1	06/28/22 02:58	06/28/22 19:25	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1880935	1	06/17/22 14:39	06/17/22 14:39	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1879164	1	06/17/22 11:54	06/17/22 11:54	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	1	06/17/22 18:43	06/17/22 18:43	ADM	Mt. Juliet, TN

SAMPLE SUMMARY

MW-972-060822 L1504052-07 GW

Collected by: RTM
 Collected date/time: 06/08/22 15:45
 Received date/time: 06/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1889346	1	07/03/22 20:48	07/03/22 20:48	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1882813	1	06/22/22 07:32	06/22/22 07:32	KMO	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1883990	1	06/28/22 02:58	06/28/22 19:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1880935	1	06/17/22 17:03	06/17/22 17:03	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1879170	1	06/16/22 16:49	06/16/22 16:49	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	1	06/17/22 19:03	06/17/22 19:03	ADM	Mt. Juliet, TN



FMW-131-060922 L1504052-08 GW

Collected by: RTM
 Collected date/time: 06/09/22 09:37
 Received date/time: 06/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	1	06/17/22 19:22	06/17/22 19:22	ADM	Mt. Juliet, TN



GEI-2-060922 L1504052-09 GW

Collected by: RTM
 Collected date/time: 06/09/22 10:47
 Received date/time: 06/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	1	06/17/22 19:42	06/17/22 19:42	ADM	Mt. Juliet, TN



MW123-060922 L1504052-10 GW

Collected by: RTM
 Collected date/time: 06/09/22 11:41
 Received date/time: 06/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	1	06/17/22 20:02	06/17/22 20:02	ADM	Mt. Juliet, TN

MW-329-060922 L1504052-11 GW

Collected by: RTM
 Collected date/time: 06/09/22 13:25
 Received date/time: 06/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	1	06/17/22 20:21	06/17/22 20:21	ADM	Mt. Juliet, TN

TB-060922 L1504052-12 GW

Collected by: RTM
 Collected date/time: 06/09/22 00:00
 Received date/time: 06/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1880935	1	06/17/22 10:24	06/17/22 10:24	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1880965	1	06/17/22 15:27	06/17/22 15:27	ADM	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.

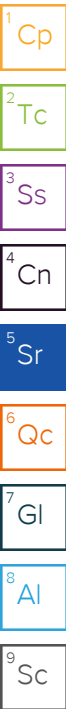


Jared Starkey
Project Manager

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

Volatile Organic Compounds (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	06/17/2022 17:44	WG1880965
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 17:44	WG1880965
Benzene	U		0.0160	0.0400	1	06/17/2022 17:44	WG1880965
Bromobenzene	U		0.0420	0.500	1	06/17/2022 17:44	WG1880965
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 17:44	WG1880965
Bromoform	U		0.239	1.00	1	06/17/2022 17:44	WG1880965
Bromomethane	U		0.148	0.500	1	06/17/2022 17:44	WG1880965
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 17:44	WG1880965
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 17:44	WG1880965
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 17:44	WG1880965
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 17:44	WG1880965
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 17:44	WG1880965
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 17:44	WG1880965
Chloroethane	U		0.0432	0.200	1	06/17/2022 17:44	WG1880965
Chloroform	U		0.0166	0.100	1	06/17/2022 17:44	WG1880965
Chloromethane	U		0.0556	0.500	1	06/17/2022 17:44	WG1880965
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 17:44	WG1880965
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 17:44	WG1880965
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 17:44	WG1880965
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 17:44	WG1880965
Dibromomethane	U		0.0400	0.200	1	06/17/2022 17:44	WG1880965
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 17:44	WG1880965
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 17:44	WG1880965
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 17:44	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 17:44	WG1880965
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 17:44	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 17:44	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 17:44	WG1880965
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/17/2022 17:44	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 17:44	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 17:44	WG1880965
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 17:44	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 17:44	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 17:44	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 17:44	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 17:44	WG1880965
Di-isopropyl ether	U		0.0140	0.0400	1	06/17/2022 17:44	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 17:44	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 17:44	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 17:44	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 17:44	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 17:44	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 17:44	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 17:44	WG1880965
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 17:44	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 17:44	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 17:44	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 17:44	WG1880965
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 17:44	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 17:44	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 17:44	WG1880965
Tetrachloroethene	0.386		0.0280	0.100	1	06/17/2022 17:44	WG1880965
Toluene	U		0.0500	0.200	1	06/17/2022 17:44	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 17:44	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 17:44	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 17:44	WG1880965



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	06/17/2022 17:44	WG1880965
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 17:44	WG1880965
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 17:44	WG1880965
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 17:44	WG1880965
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 17:44	WG1880965
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 17:44	WG1880965
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 17:44	WG1880965
Vinyl chloride	U		0.0273	0.100	1	06/17/2022 17:44	WG1880965
Xylenes, Total	U		0.191	0.260	1	06/17/2022 17:44	WG1880965
Ethyl Ether	U		0.0170	0.100	1	06/17/2022 17:44	WG1880965
Tetrahydrofuran	U		0.0900	0.500	1	06/17/2022 17:44	WG1880965
Iodomethane	U		0.242	0.500	1	06/17/2022 17:44	WG1880965
Allyl chloride	U		0.580	1.00	1	06/17/2022 17:44	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 17:44	WG1880965
(S) Toluene-d8	105			75.0-131		06/17/2022 17:44	WG1880965
(S) 4-Bromofluorobenzene	99.8			67.0-138		06/17/2022 17:44	WG1880965
(S) 1,2-Dichloroethane-d4	97.7			70.0-130		06/17/2022 17:44	WG1880965

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	79100		594	5000	1	07/03/2022 23:25	WG1889344

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)	15300		102	1000	1	06/22/2022 06:46	WG1882813

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	15300		281	1000	10	06/29/2022 16:53	WG1883988
Manganese	1100		7.04	50.0	10	06/29/2022 16:53	WG1883988

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1690		0.287	0.678	1	06/17/2022 11:35	WG1879164
Ethane	56.5		0.296	1.29	1	06/17/2022 11:35	WG1879164
Ethene	4.44		0.422	1.27	1	06/17/2022 11:35	WG1879164

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	06/17/2022 22:53	WG1880965
Acrylonitrile	U		1.90	12.5	25	06/17/2022 22:53	WG1880965
Benzene	3.00		0.400	1.00	25	06/17/2022 22:53	WG1880965
Bromobenzene	U		1.05	12.5	25	06/17/2022 22:53	WG1880965
Bromodichloromethane	U		0.788	2.50	25	06/17/2022 22:53	WG1880965
Bromoform	U		5.98	25.0	25	06/17/2022 22:53	WG1880965
Bromomethane	U		3.70	12.5	25	06/17/2022 22:53	WG1880965
n-Butylbenzene	U		3.83	12.5	25	06/17/2022 22:53	WG1880965
sec-Butylbenzene	U		2.53	12.5	25	06/17/2022 22:53	WG1880965
tert-Butylbenzene	U		1.55	5.00	25	06/17/2022 22:53	WG1880965
Carbon tetrachloride	U		1.08	5.00	25	06/17/2022 22:53	WG1880965
Chlorobenzene	U		0.573	2.50	25	06/17/2022 22:53	WG1880965
Chlorodibromomethane	U		0.450	2.50	25	06/17/2022 22:53	WG1880965
Chloroethane	U		1.08	5.00	25	06/17/2022 22:53	WG1880965
Chloroform	U		0.415	2.50	25	06/17/2022 22:53	WG1880965
Chloromethane	U		1.39	12.5	25	06/17/2022 22:53	WG1880965
2-Chlorotoluene	U		0.920	2.50	25	06/17/2022 22:53	WG1880965
4-Chlorotoluene	U		1.13	5.00	25	06/17/2022 22:53	WG1880965
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	06/17/2022 22:53	WG1880965
1,2-Dibromoethane	U		0.525	2.50	25	06/17/2022 22:53	WG1880965
Dibromomethane	U		1.00	5.00	25	06/17/2022 22:53	WG1880965
1,2-Dichlorobenzene	U		1.45	5.00	25	06/17/2022 22:53	WG1880965
1,3-Dichlorobenzene	U		1.70	5.00	25	06/17/2022 22:53	WG1880965
1,4-Dichlorobenzene	U		1.97	5.00	25	06/17/2022 22:53	WG1880965
Dichlorodifluoromethane	U		0.818	2.50	25	06/17/2022 22:53	WG1880965
1,1-Dichloroethane	U		0.575	2.50	25	06/17/2022 22:53	WG1880965
1,2-Dichloroethane	U		0.475	2.50	25	06/17/2022 22:53	WG1880965
1,1-Dichloroethene	7.63		0.500	2.50	25	06/17/2022 22:53	WG1880965
cis-1,2-Dichloroethene	6220		6.90	25.0	250	06/20/2022 22:33	WG1881692
trans-1,2-Dichloroethene	11.9		1.43	5.00	25	06/17/2022 22:53	WG1880965
1,2-Dichloropropane	U		1.27	5.00	25	06/17/2022 22:53	WG1880965

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
1,1-Dichloropropene	U		0.700	2.50	25	06/17/2022 22:53	WG1880965
1,3-Dichloropropane	U		1.75	5.00	25	06/17/2022 22:53	WG1880965
cis-1,3-Dichloropropene	U		0.678	2.50	25	06/17/2022 22:53	WG1880965
trans-1,3-Dichloropropene	U		1.53	5.00	25	06/17/2022 22:53	WG1880965
2,2-Dichloropropane	U		0.793	2.50	25	06/17/2022 22:53	WG1880965
Di-isopropyl ether	U		0.350	1.00	25	06/17/2022 22:53	WG1880965
Ethylbenzene	U		0.530	2.50	25	06/17/2022 22:53	WG1880965
Hexachloro-1,3-butadiene	U		12.7	25.0	25	06/17/2022 22:53	WG1880965
Isopropylbenzene	U		0.863	2.50	25	06/17/2022 22:53	WG1880965
p-Isopropyltoluene	U		2.33	5.00	25	06/17/2022 22:53	WG1880965
2-Butanone (MEK)	U		12.5	25.0	25	06/17/2022 22:53	WG1880965
Methylene Chloride	U		6.63	25.0	25	06/17/2022 22:53	WG1880965
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	06/17/2022 22:53	WG1880965
Methyl tert-butyl ether	U		0.295	1.00	25	06/17/2022 22:53	WG1880965
Naphthalene	U		3.10	12.5	25	06/17/2022 22:53	WG1880965
n-Propylbenzene	U		1.18	5.00	25	06/17/2022 22:53	WG1880965
Styrene	U		2.73	12.5	25	06/17/2022 22:53	WG1880965
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	06/17/2022 22:53	WG1880965
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	06/17/2022 22:53	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	06/17/2022 22:53	WG1880965
Tetrachloroethene	28.7		0.700	2.50	25	06/17/2022 22:53	WG1880965
Toluene	U		1.25	5.00	25	06/17/2022 22:53	WG1880965
1,2,3-Trichlorobenzene	U		0.625	12.5	25	06/17/2022 22:53	WG1880965
1,2,4-Trichlorobenzene	U		4.83	12.5	25	06/17/2022 22:53	WG1880965
1,1,1-Trichloroethane	U		0.275	2.50	25	06/17/2022 22:53	WG1880965
1,1,2-Trichloroethane	U		0.883	2.50	25	06/17/2022 22:53	WG1880965
Trichloroethene	49.1		0.400	1.00	25	06/17/2022 22:53	WG1880965
Trichlorofluoromethane	U		0.500	2.50	25	06/17/2022 22:53	WG1880965
1,2,3-Trichloropropane	U		5.10	12.5	25	06/17/2022 22:53	WG1880965
1,2,4-Trimethylbenzene	U		1.16	5.00	25	06/17/2022 22:53	WG1880965
1,2,3-Trimethylbenzene	U		1.15	5.00	25	06/17/2022 22:53	WG1880965
1,3,5-Trimethylbenzene	U		1.08	5.00	25	06/17/2022 22:53	WG1880965
Vinyl chloride	9.18		0.682	2.50	25	06/17/2022 22:53	WG1880965
Xylenes, Total	U		4.78	6.50	25	06/17/2022 22:53	WG1880965
Ethyl Ether	U		0.425	2.50	25	06/17/2022 22:53	WG1880965
Tetrahydrofuran	U		2.25	12.5	25	06/17/2022 22:53	WG1880965
Iodomethane	U		6.05	12.5	25	06/17/2022 22:53	WG1880965
Allyl chloride	U		14.5	25.0	25	06/17/2022 22:53	WG1880965
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	06/17/2022 22:53	WG1880965
(S) Toluene-d8	108			75.0-131		06/17/2022 22:53	WG1880965
(S) Toluene-d8	97.8			75.0-131		06/20/2022 22:33	WG1881692
(S) 4-Bromofluorobenzene	102			67.0-138		06/17/2022 22:53	WG1880965
(S) 4-Bromofluorobenzene	97.8			67.0-138		06/20/2022 22:33	WG1881692
(S) 1,2-Dichloroethane-d4	95.4			70.0-130		06/17/2022 22:53	WG1880965
(S) 1,2-Dichloroethane-d4	109			70.0-130		06/20/2022 22:33	WG1881692

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		5.48	10.0	10	06/17/2022 23:46	WG1880965
Acrylonitrile	U		0.760	5.00	10	06/17/2022 23:46	WG1880965
Benzene	9.54		0.160	0.400	10	06/17/2022 23:46	WG1880965
Bromobenzene	U		0.420	5.00	10	06/17/2022 23:46	WG1880965
Bromodichloromethane	U		0.315	1.00	10	06/17/2022 23:46	WG1880965
Bromoform	U		2.39	10.0	10	06/17/2022 23:46	WG1880965
Bromomethane	U		1.48	5.00	10	06/17/2022 23:46	WG1880965
n-Butylbenzene	U		1.53	5.00	10	06/17/2022 23:46	WG1880965
sec-Butylbenzene	U		1.01	5.00	10	06/17/2022 23:46	WG1880965
tert-Butylbenzene	U		0.620	2.00	10	06/17/2022 23:46	WG1880965
Carbon tetrachloride	U		0.432	2.00	10	06/17/2022 23:46	WG1880965
Chlorobenzene	U		0.229	1.00	10	06/17/2022 23:46	WG1880965
Chlorodibromomethane	U		0.180	1.00	10	06/17/2022 23:46	WG1880965
Chloroethane	U		0.432	2.00	10	06/17/2022 23:46	WG1880965
Chloroform	U		0.166	1.00	10	06/17/2022 23:46	WG1880965
Chloromethane	U		0.556	5.00	10	06/17/2022 23:46	WG1880965
2-Chlorotoluene	U		0.368	1.00	10	06/17/2022 23:46	WG1880965
4-Chlorotoluene	U		0.452	2.00	10	06/17/2022 23:46	WG1880965
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	06/17/2022 23:46	WG1880965
1,2-Dibromoethane	U		0.210	1.00	10	06/17/2022 23:46	WG1880965
Dibromomethane	U		0.400	2.00	10	06/17/2022 23:46	WG1880965
1,2-Dichlorobenzene	U		0.580	2.00	10	06/17/2022 23:46	WG1880965
1,3-Dichlorobenzene	U		0.680	2.00	10	06/17/2022 23:46	WG1880965
1,4-Dichlorobenzene	U		0.788	2.00	10	06/17/2022 23:46	WG1880965
Dichlorodifluoromethane	U		0.327	1.00	10	06/17/2022 23:46	WG1880965
1,1-Dichloroethane	U		0.230	1.00	10	06/17/2022 23:46	WG1880965
1,2-Dichloroethane	U		0.190	1.00	10	06/17/2022 23:46	WG1880965
1,1-Dichloroethene	0.640	J	0.200	1.00	10	06/17/2022 23:46	WG1880965
cis-1,2-Dichloroethene	502		0.276	1.00	10	06/17/2022 23:46	WG1880965
trans-1,2-Dichloroethene	1.61	J	0.572	2.00	10	06/17/2022 23:46	WG1880965
1,2-Dichloropropane	U		0.508	2.00	10	06/17/2022 23:46	WG1880965
1,1-Dichloropropene	U		0.280	1.00	10	06/17/2022 23:46	WG1880965
1,3-Dichloropropane	U		0.700	2.00	10	06/17/2022 23:46	WG1880965
cis-1,3-Dichloropropene	U		0.271	1.00	10	06/17/2022 23:46	WG1880965
trans-1,3-Dichloropropene	U		0.612	2.00	10	06/17/2022 23:46	WG1880965
2,2-Dichloropropane	U		0.317	1.00	10	06/17/2022 23:46	WG1880965
Di-isopropyl ether	U		0.140	0.400	10	06/17/2022 23:46	WG1880965
Ethylbenzene	U		0.212	1.00	10	06/17/2022 23:46	WG1880965
Hexachloro-1,3-butadiene	U		5.08	10.0	10	06/17/2022 23:46	WG1880965
Isopropylbenzene	U		0.345	1.00	10	06/17/2022 23:46	WG1880965
p-Isopropyltoluene	U		0.932	2.00	10	06/17/2022 23:46	WG1880965
2-Butanone (MEK)	U		5.00	10.0	10	06/17/2022 23:46	WG1880965
Methylene Chloride	U		2.65	10.0	10	06/17/2022 23:46	WG1880965
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	06/17/2022 23:46	WG1880965
Methyl tert-butyl ether	U		0.118	0.400	10	06/17/2022 23:46	WG1880965
Naphthalene	U		1.24	5.00	10	06/17/2022 23:46	WG1880965
n-Propylbenzene	U		0.472	2.00	10	06/17/2022 23:46	WG1880965
Styrene	U		1.09	5.00	10	06/17/2022 23:46	WG1880965
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	06/17/2022 23:46	WG1880965
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	06/17/2022 23:46	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	06/17/2022 23:46	WG1880965
Tetrachloroethene	U		0.280	1.00	10	06/17/2022 23:46	WG1880965
Toluene	0.690	J	0.500	2.00	10	06/17/2022 23:46	WG1880965
1,2,3-Trichlorobenzene	U		0.250	5.00	10	06/17/2022 23:46	WG1880965
1,2,4-Trichlorobenzene	U		1.93	5.00	10	06/17/2022 23:46	WG1880965
1,1,1-Trichloroethane	U		0.110	1.00	10	06/17/2022 23:46	WG1880965

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
1,1,2-Trichloroethane	U		0.353	1.00	10	06/17/2022 23:46	WG1880965
Trichloroethene	1.45		0.160	0.400	10	06/17/2022 23:46	WG1880965
Trichlorofluoromethane	U		0.200	1.00	10	06/17/2022 23:46	WG1880965
1,2,3-Trichloropropane	U		2.04	5.00	10	06/17/2022 23:46	WG1880965
1,2,4-Trimethylbenzene	U		0.464	2.00	10	06/17/2022 23:46	WG1880965
1,2,3-Trimethylbenzene	U		0.460	2.00	10	06/17/2022 23:46	WG1880965
1,3,5-Trimethylbenzene	U		0.432	2.00	10	06/17/2022 23:46	WG1880965
Vinyl chloride	112		0.273	1.00	10	06/17/2022 23:46	WG1880965
Xylenes, Total	U		1.91	2.60	10	06/17/2022 23:46	WG1880965
Ethyl Ether	U		0.170	1.00	10	06/17/2022 23:46	WG1880965
Tetrahydrofuran	U		0.900	5.00	10	06/17/2022 23:46	WG1880965
Iodomethane	U		2.42	5.00	10	06/17/2022 23:46	WG1880965
Allyl chloride	U		5.80	10.0	10	06/17/2022 23:46	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	06/17/2022 23:46	WG1880965
(S) Toluene-d8	106			75.0-131		06/17/2022 23:46	WG1880965
(S) 4-Bromofluorobenzene	89.5			67.0-138		06/17/2022 23:46	WG1880965
(S) 1,2-Dichloroethane-d4	93.9			70.0-130		06/17/2022 23:46	WG1880965

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	9610		594	5000	1	07/03/2022 23:38	WG1889344

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)	5480		102	1000	1	06/22/2022 07:00	WG1882813

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4590		281	1000	10	06/29/2022 16:56	WG1883988
Manganese	815		7.04	50.0	10	06/29/2022 16:56	WG1883988

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4280		0.287	0.678	1	06/17/2022 11:51	WG1879164
Ethane	0.746	J	0.296	1.29	1	06/17/2022 11:51	WG1879164
Ethene	U		0.422	1.27	1	06/17/2022 11:51	WG1879164

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	5.28		0.548	1.00	1	06/17/2022 18:04	WG1880965
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 18:04	WG1880965
Benzene	U		0.0160	0.0400	1	06/17/2022 18:04	WG1880965
Bromobenzene	U		0.0420	0.500	1	06/17/2022 18:04	WG1880965
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 18:04	WG1880965
Bromoform	U		0.239	1.00	1	06/17/2022 18:04	WG1880965
Bromomethane	U		0.148	0.500	1	06/17/2022 18:04	WG1880965
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 18:04	WG1880965
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 18:04	WG1880965
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 18:04	WG1880965
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 18:04	WG1880965
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 18:04	WG1880965
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 18:04	WG1880965
Chloroethane	U		0.0432	0.200	1	06/17/2022 18:04	WG1880965
Chloroform	U		0.0166	0.100	1	06/17/2022 18:04	WG1880965
Chloromethane	U		0.0556	0.500	1	06/17/2022 18:04	WG1880965
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 18:04	WG1880965
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 18:04	WG1880965
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 18:04	WG1880965
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 18:04	WG1880965
Dibromomethane	U		0.0400	0.200	1	06/17/2022 18:04	WG1880965
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 18:04	WG1880965
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 18:04	WG1880965
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 18:04	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 18:04	WG1880965
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 18:04	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 18:04	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 18:04	WG1880965
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/17/2022 18:04	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 18:04	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 18:04	WG1880965

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
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 18:04	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 18:04	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 18:04	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 18:04	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 18:04	WG1880965
Di-isopropyl ether	U		0.0140	0.0400	1	06/17/2022 18:04	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 18:04	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 18:04	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 18:04	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 18:04	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 18:04	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 18:04	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 18:04	WG1880965
Methyl tert-butyl ether	0.0340	U	0.0118	0.0400	1	06/17/2022 18:04	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 18:04	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 18:04	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 18:04	WG1880965
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 18:04	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 18:04	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 18:04	WG1880965
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 18:04	WG1880965
Toluene	U		0.0500	0.200	1	06/17/2022 18:04	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 18:04	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 18:04	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 18:04	WG1880965
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 18:04	WG1880965
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 18:04	WG1880965
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 18:04	WG1880965
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 18:04	WG1880965
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 18:04	WG1880965
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 18:04	WG1880965
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 18:04	WG1880965
Vinyl chloride	U		0.0273	0.100	1	06/17/2022 18:04	WG1880965
Xylenes, Total	U		0.191	0.260	1	06/17/2022 18:04	WG1880965
Ethyl Ether	U		0.0170	0.100	1	06/17/2022 18:04	WG1880965
Tetrahydrofuran	U		0.0900	0.500	1	06/17/2022 18:04	WG1880965
Iodomethane	U		0.242	0.500	1	06/17/2022 18:04	WG1880965
Allyl chloride	U		0.580	1.00	1	06/17/2022 18:04	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 18:04	WG1880965
(S) Toluene-d8	107			75.0-131		06/17/2022 18:04	WG1880965
(S) 4-Bromofluorobenzene	104			67.0-138		06/17/2022 18:04	WG1880965
(S) 1,2-Dichloroethane-d4	99.7			70.0-130		06/17/2022 18:04	WG1880965

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
Acetone	U		0.548	1.00	1	06/17/2022 18:23	WG1880965
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 18:23	WG1880965
Benzene	8.66		0.0160	0.0400	1	06/17/2022 18:23	WG1880965
Bromobenzene	U		0.0420	0.500	1	06/17/2022 18:23	WG1880965
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 18:23	WG1880965
Bromoform	U		0.239	1.00	1	06/17/2022 18:23	WG1880965
Bromomethane	U		0.148	0.500	1	06/17/2022 18:23	WG1880965
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 18:23	WG1880965
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 18:23	WG1880965
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 18:23	WG1880965
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 18:23	WG1880965
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 18:23	WG1880965
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 18:23	WG1880965
Chloroethane	U		0.0432	0.200	1	06/17/2022 18:23	WG1880965
Chloroform	U		0.0166	0.100	1	06/17/2022 18:23	WG1880965
Chloromethane	U		0.0556	0.500	1	06/17/2022 18:23	WG1880965
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 18:23	WG1880965
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 18:23	WG1880965
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 18:23	WG1880965
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 18:23	WG1880965
Dibromomethane	U		0.0400	0.200	1	06/17/2022 18:23	WG1880965
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 18:23	WG1880965
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 18:23	WG1880965
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 18:23	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 18:23	WG1880965
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 18:23	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 18:23	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 18:23	WG1880965
cis-1,2-Dichloroethene	0.180		0.0276	0.100	1	06/17/2022 18:23	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 18:23	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 18:23	WG1880965
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 18:23	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 18:23	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 18:23	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 18:23	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 18:23	WG1880965
Di-isopropyl ether	0.0870		0.0140	0.0400	1	06/17/2022 18:23	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 18:23	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 18:23	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 18:23	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 18:23	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 18:23	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 18:23	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 18:23	WG1880965
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 18:23	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 18:23	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 18:23	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 18:23	WG1880965
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 18:23	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 18:23	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 18:23	WG1880965
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 18:23	WG1880965
Toluene	U		0.0500	0.200	1	06/17/2022 18:23	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 18:23	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 18:23	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 18:23	WG1880965

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 18:23	WG1880965
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 18:23	WG1880965
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 18:23	WG1880965
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 18:23	WG1880965
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 18:23	WG1880965
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 18:23	WG1880965
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 18:23	WG1880965
Vinyl chloride	4.21		0.0273	0.100	1	06/17/2022 18:23	WG1880965
Xylenes, Total	U		0.191	0.260	1	06/17/2022 18:23	WG1880965
Ethyl Ether	U		0.0170	0.100	1	06/17/2022 18:23	WG1880965
Tetrahydrofuran	U		0.0900	0.500	1	06/17/2022 18:23	WG1880965
Iodomethane	U		0.242	0.500	1	06/17/2022 18:23	WG1880965
Allyl chloride	U		0.580	1.00	1	06/17/2022 18:23	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 18:23	WG1880965
(S) Toluene-d8	105			75.0-131		06/17/2022 18:23	WG1880965
(S) 4-Bromofluorobenzene	100			67.0-138		06/17/2022 18:23	WG1880965
(S) 1,2-Dichloroethane-d4	99.0			70.0-130		06/17/2022 18:23	WG1880965

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

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Al

9
Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Sulfate	25300		594	5000	1	07/03/2022 23:51	WG1889344

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	4060		102	1000	1	06/22/2022 07:19	WG1882813

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	8450		28.1	100	1	06/28/2022 19:25	WG1883990
Manganese	2370		0.704	5.00	1	06/28/2022 19:25	WG1883990

Volatile Organic Compounds (GC) by Method NWTPHGX

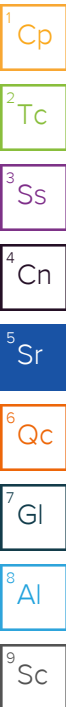
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	06/17/2022 14:39	WG1880935
(S) a,a,a-Trifluorotoluene(FID)	97.2			78.0-120		06/17/2022 14:39	WG1880935

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	329		0.287	0.678	1	06/17/2022 11:54	WG1879164
Ethane	2.15		0.296	1.29	1	06/17/2022 11:54	WG1879164
Ethene	U		0.422	1.27	1	06/17/2022 11:54	WG1879164

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	1.75		0.548	1.00	1	06/17/2022 18:43	WG1880965
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 18:43	WG1880965
Benzene	0.0490		0.0160	0.0400	1	06/17/2022 18:43	WG1880965
Bromobenzene	U		0.0420	0.500	1	06/17/2022 18:43	WG1880965
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 18:43	WG1880965
Bromoform	U		0.239	1.00	1	06/17/2022 18:43	WG1880965
Bromomethane	U		0.148	0.500	1	06/17/2022 18:43	WG1880965
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 18:43	WG1880965
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 18:43	WG1880965
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 18:43	WG1880965
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 18:43	WG1880965
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 18:43	WG1880965
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 18:43	WG1880965
Chloroethane	U		0.0432	0.200	1	06/17/2022 18:43	WG1880965
Chloroform	U		0.0166	0.100	1	06/17/2022 18:43	WG1880965
Chloromethane	U		0.0556	0.500	1	06/17/2022 18:43	WG1880965
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 18:43	WG1880965
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 18:43	WG1880965
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 18:43	WG1880965
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 18:43	WG1880965
Dibromomethane	U		0.0400	0.200	1	06/17/2022 18:43	WG1880965
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 18:43	WG1880965
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 18:43	WG1880965



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 18:43	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 18:43	WG1880965
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 18:43	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 18:43	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 18:43	WG1880965
cis-1,2-Dichloroethene	0.100	U	0.0276	0.100	1	06/17/2022 18:43	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 18:43	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 18:43	WG1880965
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 18:43	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 18:43	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 18:43	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 18:43	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 18:43	WG1880965
Di-isopropyl ether	U		0.0140	0.0400	1	06/17/2022 18:43	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 18:43	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 18:43	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 18:43	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 18:43	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 18:43	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 18:43	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 18:43	WG1880965
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 18:43	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 18:43	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 18:43	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 18:43	WG1880965
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 18:43	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 18:43	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 18:43	WG1880965
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 18:43	WG1880965
Toluene	U		0.0500	0.200	1	06/17/2022 18:43	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 18:43	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 18:43	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 18:43	WG1880965
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 18:43	WG1880965
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 18:43	WG1880965
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 18:43	WG1880965
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 18:43	WG1880965
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 18:43	WG1880965
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 18:43	WG1880965
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 18:43	WG1880965
Vinyl chloride	0.487		0.0273	0.100	1	06/17/2022 18:43	WG1880965
Xylenes, Total	U		0.191	0.260	1	06/17/2022 18:43	WG1880965
Ethyl Ether	0.159		0.0170	0.100	1	06/17/2022 18:43	WG1880965
Tetrahydrofuran	0.260	U	0.0900	0.500	1	06/17/2022 18:43	WG1880965
Iodomethane	U		0.242	0.500	1	06/17/2022 18:43	WG1880965
Allyl chloride	U		0.580	1.00	1	06/17/2022 18:43	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 18:43	WG1880965
(S) Toluene-d8	107			75.0-131		06/17/2022 18:43	WG1880965
(S) 4-Bromofluorobenzene	103			67.0-138		06/17/2022 18:43	WG1880965
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		06/17/2022 18:43	WG1880965

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	Batch
Sulfate	25600		594	5000	1	07/03/2022 20:48	WG1889346

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	4070		102	1000	1	06/22/2022 07:32	WG1882813

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	7020		28.1	100	1	06/28/2022 19:29	WG1883990
Manganese	2290		0.704	5.00	1	06/28/2022 19:29	WG1883990

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	06/17/2022 17:03	WG1880935
(S) a,a,a-Trifluorotoluene(FID)	96.9			78.0-120		06/17/2022 17:03	WG1880935

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	332		0.287	0.678	1	06/16/2022 16:49	WG1879170
Ethane	1.80		0.296	1.29	1	06/16/2022 16:49	WG1879170
Ethene	U		0.422	1.27	1	06/16/2022 16:49	WG1879170

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U		0.548	1.00	1	06/17/2022 19:03	WG1880965
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 19:03	WG1880965
Benzene	0.0570		0.0160	0.0400	1	06/17/2022 19:03	WG1880965
Bromobenzene	U		0.0420	0.500	1	06/17/2022 19:03	WG1880965
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 19:03	WG1880965
Bromoform	U		0.239	1.00	1	06/17/2022 19:03	WG1880965
Bromomethane	U		0.148	0.500	1	06/17/2022 19:03	WG1880965
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 19:03	WG1880965
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 19:03	WG1880965
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 19:03	WG1880965
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 19:03	WG1880965
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 19:03	WG1880965
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 19:03	WG1880965
Chloroethane	U		0.0432	0.200	1	06/17/2022 19:03	WG1880965
Chloroform	U		0.0166	0.100	1	06/17/2022 19:03	WG1880965
Chloromethane	U		0.0556	0.500	1	06/17/2022 19:03	WG1880965
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 19:03	WG1880965
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 19:03	WG1880965
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 19:03	WG1880965
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 19:03	WG1880965
Dibromomethane	U		0.0400	0.200	1	06/17/2022 19:03	WG1880965
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 19:03	WG1880965
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 19:03	WG1880965

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
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 19:03	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 19:03	WG1880965
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 19:03	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 19:03	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 19:03	WG1880965
cis-1,2-Dichloroethene	0.0970	U	0.0276	0.100	1	06/17/2022 19:03	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 19:03	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 19:03	WG1880965
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 19:03	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 19:03	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 19:03	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 19:03	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 19:03	WG1880965
Di-isopropyl ether	U		0.0140	0.0400	1	06/17/2022 19:03	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 19:03	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 19:03	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 19:03	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 19:03	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 19:03	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 19:03	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 19:03	WG1880965
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 19:03	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 19:03	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 19:03	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 19:03	WG1880965
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 19:03	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 19:03	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 19:03	WG1880965
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 19:03	WG1880965
Toluene	U		0.0500	0.200	1	06/17/2022 19:03	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 19:03	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 19:03	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 19:03	WG1880965
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 19:03	WG1880965
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 19:03	WG1880965
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 19:03	WG1880965
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 19:03	WG1880965
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 19:03	WG1880965
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 19:03	WG1880965
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 19:03	WG1880965
Vinyl chloride	0.520		0.0273	0.100	1	06/17/2022 19:03	WG1880965
Xylenes, Total	U		0.191	0.260	1	06/17/2022 19:03	WG1880965
Ethyl Ether	0.185		0.0170	0.100	1	06/17/2022 19:03	WG1880965
Tetrahydrofuran	U		0.0900	0.500	1	06/17/2022 19:03	WG1880965
Iodomethane	U		0.242	0.500	1	06/17/2022 19:03	WG1880965
Allyl chloride	U		0.580	1.00	1	06/17/2022 19:03	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 19:03	WG1880965
(S) Toluene-d8	106			75.0-131		06/17/2022 19:03	WG1880965
(S) 4-Bromofluorobenzene	100			67.0-138		06/17/2022 19:03	WG1880965
(S) 1,2-Dichloroethane-d4	93.9			70.0-130		06/17/2022 19:03	WG1880965

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

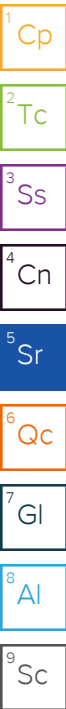
7 Gl

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
Acetone	U		0.548	1.00	1	06/17/2022 19:22	WG1880965
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 19:22	WG1880965
Benzene	0.0300	J	0.0160	0.0400	1	06/17/2022 19:22	WG1880965
Bromobenzene	U		0.0420	0.500	1	06/17/2022 19:22	WG1880965
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 19:22	WG1880965
Bromoform	U		0.239	1.00	1	06/17/2022 19:22	WG1880965
Bromomethane	U		0.148	0.500	1	06/17/2022 19:22	WG1880965
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 19:22	WG1880965
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 19:22	WG1880965
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 19:22	WG1880965
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 19:22	WG1880965
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 19:22	WG1880965
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 19:22	WG1880965
Chloroethane	U		0.0432	0.200	1	06/17/2022 19:22	WG1880965
Chloroform	U		0.0166	0.100	1	06/17/2022 19:22	WG1880965
Chloromethane	U		0.0556	0.500	1	06/17/2022 19:22	WG1880965
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 19:22	WG1880965
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 19:22	WG1880965
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 19:22	WG1880965
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 19:22	WG1880965
Dibromomethane	U		0.0400	0.200	1	06/17/2022 19:22	WG1880965
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 19:22	WG1880965
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 19:22	WG1880965
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 19:22	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 19:22	WG1880965
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 19:22	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 19:22	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 19:22	WG1880965
cis-1,2-Dichloroethene	19.6		0.0276	0.100	1	06/17/2022 19:22	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 19:22	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 19:22	WG1880965
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 19:22	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 19:22	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 19:22	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 19:22	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 19:22	WG1880965
Di-isopropyl ether	0.0560		0.0140	0.0400	1	06/17/2022 19:22	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 19:22	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 19:22	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 19:22	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 19:22	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 19:22	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 19:22	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 19:22	WG1880965
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 19:22	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 19:22	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 19:22	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 19:22	WG1880965
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 19:22	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 19:22	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 19:22	WG1880965
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 19:22	WG1880965
Toluene	0.0670	J	0.0500	0.200	1	06/17/2022 19:22	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 19:22	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 19:22	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 19:22	WG1880965



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	06/17/2022 19:22	WG1880965
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 19:22	WG1880965
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 19:22	WG1880965
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 19:22	WG1880965
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 19:22	WG1880965
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 19:22	WG1880965
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 19:22	WG1880965
Vinyl chloride	U		0.0273	0.100	1	06/17/2022 19:22	WG1880965
Xylenes, Total	U		0.191	0.260	1	06/17/2022 19:22	WG1880965
Ethyl Ether	U		0.0170	0.100	1	06/17/2022 19:22	WG1880965
Tetrahydrofuran	U		0.0900	0.500	1	06/17/2022 19:22	WG1880965
Iodomethane	U		0.242	0.500	1	06/17/2022 19:22	WG1880965
Allyl chloride	U		0.580	1.00	1	06/17/2022 19:22	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 19:22	WG1880965
(S) Toluene-d8	102			75.0-131		06/17/2022 19:22	WG1880965
(S) 4-Bromofluorobenzene	101			67.0-138		06/17/2022 19:22	WG1880965
(S) 1,2-Dichloroethane-d4	94.4			70.0-130		06/17/2022 19:22	WG1880965

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
Acetone	U		0.548	1.00	1	06/17/2022 19:42	WG1880965
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 19:42	WG1880965
Benzene	2.67		0.0160	0.0400	1	06/17/2022 19:42	WG1880965
Bromobenzene	U		0.0420	0.500	1	06/17/2022 19:42	WG1880965
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 19:42	WG1880965
Bromoform	U		0.239	1.00	1	06/17/2022 19:42	WG1880965
Bromomethane	U		0.148	0.500	1	06/17/2022 19:42	WG1880965
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 19:42	WG1880965
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 19:42	WG1880965
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 19:42	WG1880965
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 19:42	WG1880965
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 19:42	WG1880965
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 19:42	WG1880965
Chloroethane	U		0.0432	0.200	1	06/17/2022 19:42	WG1880965
Chloroform	U		0.0166	0.100	1	06/17/2022 19:42	WG1880965
Chloromethane	U		0.0556	0.500	1	06/17/2022 19:42	WG1880965
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 19:42	WG1880965
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 19:42	WG1880965
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 19:42	WG1880965
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 19:42	WG1880965
Dibromomethane	U		0.0400	0.200	1	06/17/2022 19:42	WG1880965
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 19:42	WG1880965
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 19:42	WG1880965
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 19:42	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 19:42	WG1880965
1,1-Dichloroethane	0.0300	J	0.0230	0.100	1	06/17/2022 19:42	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 19:42	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 19:42	WG1880965
cis-1,2-Dichloroethene	0.224		0.0276	0.100	1	06/17/2022 19:42	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 19:42	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 19:42	WG1880965
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 19:42	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 19:42	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 19:42	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 19:42	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 19:42	WG1880965
Di-isopropyl ether	0.0570		0.0140	0.0400	1	06/17/2022 19:42	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 19:42	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 19:42	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 19:42	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 19:42	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 19:42	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 19:42	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 19:42	WG1880965
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 19:42	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 19:42	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 19:42	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 19:42	WG1880965
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 19:42	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 19:42	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 19:42	WG1880965
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 19:42	WG1880965
Toluene	0.0910	J	0.0500	0.200	1	06/17/2022 19:42	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 19:42	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 19:42	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 19:42	WG1880965

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 19:42	WG1880965
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 19:42	WG1880965
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 19:42	WG1880965
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 19:42	WG1880965
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 19:42	WG1880965
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 19:42	WG1880965
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 19:42	WG1880965
Vinyl chloride	12.6		0.0273	0.100	1	06/17/2022 19:42	WG1880965
Xylenes, Total	U		0.191	0.260	1	06/17/2022 19:42	WG1880965
Ethyl Ether	U		0.0170	0.100	1	06/17/2022 19:42	WG1880965
Tetrahydrofuran	U		0.0900	0.500	1	06/17/2022 19:42	WG1880965
Iodomethane	U		0.242	0.500	1	06/17/2022 19:42	WG1880965
Allyl chloride	U		0.580	1.00	1	06/17/2022 19:42	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 19:42	WG1880965
(S) Toluene-d8	105			75.0-131		06/17/2022 19:42	WG1880965
(S) 4-Bromofluorobenzene	101			67.0-138		06/17/2022 19:42	WG1880965
(S) 1,2-Dichloroethane-d4	92.7			70.0-130		06/17/2022 19:42	WG1880965

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	06/17/2022 20:02	WG1880965
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 20:02	WG1880965
Benzene	U		0.0160	0.0400	1	06/17/2022 20:02	WG1880965
Bromobenzene	U		0.0420	0.500	1	06/17/2022 20:02	WG1880965
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 20:02	WG1880965
Bromoform	U		0.239	1.00	1	06/17/2022 20:02	WG1880965
Bromomethane	U		0.148	0.500	1	06/17/2022 20:02	WG1880965
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 20:02	WG1880965
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 20:02	WG1880965
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 20:02	WG1880965
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 20:02	WG1880965
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 20:02	WG1880965
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 20:02	WG1880965
Chloroethane	U		0.0432	0.200	1	06/17/2022 20:02	WG1880965
Chloroform	U		0.0166	0.100	1	06/17/2022 20:02	WG1880965
Chloromethane	U		0.0556	0.500	1	06/17/2022 20:02	WG1880965
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 20:02	WG1880965
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 20:02	WG1880965
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 20:02	WG1880965
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 20:02	WG1880965
Dibromomethane	U		0.0400	0.200	1	06/17/2022 20:02	WG1880965
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 20:02	WG1880965
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 20:02	WG1880965
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 20:02	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 20:02	WG1880965
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 20:02	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 20:02	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 20:02	WG1880965
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/17/2022 20:02	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 20:02	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 20:02	WG1880965
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 20:02	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 20:02	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 20:02	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 20:02	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 20:02	WG1880965
Di-isopropyl ether	0.114		0.0140	0.0400	1	06/17/2022 20:02	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 20:02	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 20:02	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 20:02	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 20:02	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 20:02	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 20:02	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 20:02	WG1880965
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 20:02	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 20:02	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 20:02	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 20:02	WG1880965
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 20:02	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 20:02	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 20:02	WG1880965
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 20:02	WG1880965
Toluene	U		0.0500	0.200	1	06/17/2022 20:02	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 20:02	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 20:02	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 20:02	WG1880965

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 20:02	WG1880965
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 20:02	WG1880965
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 20:02	WG1880965
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 20:02	WG1880965
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 20:02	WG1880965
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 20:02	WG1880965
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 20:02	WG1880965
Vinyl chloride	U		0.0273	0.100	1	06/17/2022 20:02	WG1880965
Xylenes, Total	U		0.191	0.260	1	06/17/2022 20:02	WG1880965
Ethyl Ether	0.313		0.0170	0.100	1	06/17/2022 20:02	WG1880965
Tetrahydrofuran	U		0.0900	0.500	1	06/17/2022 20:02	WG1880965
Iodomethane	U		0.242	0.500	1	06/17/2022 20:02	WG1880965
Allyl chloride	U		0.580	1.00	1	06/17/2022 20:02	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 20:02	WG1880965
(S) Toluene-d8	102			75.0-131		06/17/2022 20:02	WG1880965
(S) 4-Bromofluorobenzene	101			67.0-138		06/17/2022 20:02	WG1880965
(S) 1,2-Dichloroethane-d4	95.8			70.0-130		06/17/2022 20:02	WG1880965

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
Acetone	1.86		0.548	1.00	1	06/17/2022 20:21	WG1880965
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 20:21	WG1880965
Benzene	0.260		0.0160	0.0400	1	06/17/2022 20:21	WG1880965
Bromobenzene	U		0.0420	0.500	1	06/17/2022 20:21	WG1880965
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 20:21	WG1880965
Bromoform	U		0.239	1.00	1	06/17/2022 20:21	WG1880965
Bromomethane	U		0.148	0.500	1	06/17/2022 20:21	WG1880965
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 20:21	WG1880965
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 20:21	WG1880965
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 20:21	WG1880965
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 20:21	WG1880965
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 20:21	WG1880965
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 20:21	WG1880965
Chloroethane	U		0.0432	0.200	1	06/17/2022 20:21	WG1880965
Chloroform	U		0.0166	0.100	1	06/17/2022 20:21	WG1880965
Chloromethane	U		0.0556	0.500	1	06/17/2022 20:21	WG1880965
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 20:21	WG1880965
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 20:21	WG1880965
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 20:21	WG1880965
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 20:21	WG1880965
Dibromomethane	U		0.0400	0.200	1	06/17/2022 20:21	WG1880965
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 20:21	WG1880965
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 20:21	WG1880965
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 20:21	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 20:21	WG1880965
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 20:21	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 20:21	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 20:21	WG1880965
cis-1,2-Dichloroethene	10.4		0.0276	0.100	1	06/17/2022 20:21	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 20:21	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 20:21	WG1880965
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 20:21	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 20:21	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 20:21	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 20:21	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 20:21	WG1880965
Di-isopropyl ether	0.0610		0.0140	0.0400	1	06/17/2022 20:21	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 20:21	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 20:21	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 20:21	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 20:21	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 20:21	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 20:21	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 20:21	WG1880965
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 20:21	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 20:21	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 20:21	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 20:21	WG1880965
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 20:21	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 20:21	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 20:21	WG1880965
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 20:21	WG1880965
Toluene	0.0580	J	0.0500	0.200	1	06/17/2022 20:21	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 20:21	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 20:21	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 20:21	WG1880965

- 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
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 20:21	WG1880965
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 20:21	WG1880965
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 20:21	WG1880965
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 20:21	WG1880965
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 20:21	WG1880965
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 20:21	WG1880965
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 20:21	WG1880965
Vinyl chloride	22.5		0.0273	0.100	1	06/17/2022 20:21	WG1880965
Xylenes, Total	U		0.191	0.260	1	06/17/2022 20:21	WG1880965
Ethyl Ether	0.0400	J	0.0170	0.100	1	06/17/2022 20:21	WG1880965
Tetrahydrofuran	U		0.0900	0.500	1	06/17/2022 20:21	WG1880965
Iodomethane	U		0.242	0.500	1	06/17/2022 20:21	WG1880965
Allyl chloride	U		0.580	1.00	1	06/17/2022 20:21	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 20:21	WG1880965
(S) Toluene-d8	107			75.0-131		06/17/2022 20:21	WG1880965
(S) 4-Bromofluorobenzene	102			67.0-138		06/17/2022 20:21	WG1880965
(S) 1,2-Dichloroethane-d4	95.6			70.0-130		06/17/2022 20:21	WG1880965

1
Cp

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Tc

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Ss

4
Cn

5
Sr

6
Qc

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Gl

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Al

9
Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	06/17/2022 10:24	WG1880935
(S) a,a,a-Trifluorotoluene(FID)	97.3			78.0-120		06/17/2022 10:24	WG1880935

- 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
Acetone	1.73		0.548	1.00	1	06/17/2022 15:27	WG1880965
Acrylonitrile	U		0.0760	0.500	1	06/17/2022 15:27	WG1880965
Benzene	U		0.0160	0.0400	1	06/17/2022 15:27	WG1880965
Bromobenzene	U		0.0420	0.500	1	06/17/2022 15:27	WG1880965
Bromodichloromethane	U		0.0315	0.100	1	06/17/2022 15:27	WG1880965
Bromoform	U		0.239	1.00	1	06/17/2022 15:27	WG1880965
Bromomethane	U		0.148	0.500	1	06/17/2022 15:27	WG1880965
n-Butylbenzene	U		0.153	0.500	1	06/17/2022 15:27	WG1880965
sec-Butylbenzene	U		0.101	0.500	1	06/17/2022 15:27	WG1880965
tert-Butylbenzene	U		0.0620	0.200	1	06/17/2022 15:27	WG1880965
Carbon tetrachloride	U		0.0432	0.200	1	06/17/2022 15:27	WG1880965
Chlorobenzene	U		0.0229	0.100	1	06/17/2022 15:27	WG1880965
Chlorodibromomethane	U		0.0180	0.100	1	06/17/2022 15:27	WG1880965
Chloroethane	U		0.0432	0.200	1	06/17/2022 15:27	WG1880965
Chloroform	U		0.0166	0.100	1	06/17/2022 15:27	WG1880965
Chloromethane	U		0.0556	0.500	1	06/17/2022 15:27	WG1880965
2-Chlorotoluene	U		0.0368	0.100	1	06/17/2022 15:27	WG1880965
4-Chlorotoluene	U		0.0452	0.200	1	06/17/2022 15:27	WG1880965
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/17/2022 15:27	WG1880965
1,2-Dibromoethane	U		0.0210	0.100	1	06/17/2022 15:27	WG1880965
Dibromomethane	U		0.0400	0.200	1	06/17/2022 15:27	WG1880965
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/17/2022 15:27	WG1880965
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/17/2022 15:27	WG1880965
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/17/2022 15:27	WG1880965
Dichlorodifluoromethane	U		0.0327	0.100	1	06/17/2022 15:27	WG1880965
1,1-Dichloroethane	U		0.0230	0.100	1	06/17/2022 15:27	WG1880965
1,2-Dichloroethane	U		0.0190	0.100	1	06/17/2022 15:27	WG1880965
1,1-Dichloroethene	U		0.0200	0.100	1	06/17/2022 15:27	WG1880965
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/17/2022 15:27	WG1880965
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/17/2022 15:27	WG1880965
1,2-Dichloropropane	U		0.0508	0.200	1	06/17/2022 15:27	WG1880965
1,1-Dichloropropene	U		0.0280	0.100	1	06/17/2022 15:27	WG1880965
1,3-Dichloropropane	U		0.0700	0.200	1	06/17/2022 15:27	WG1880965
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/17/2022 15:27	WG1880965
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/17/2022 15:27	WG1880965
2,2-Dichloropropane	U		0.0317	0.100	1	06/17/2022 15:27	WG1880965
Di-isopropyl ether	U		0.0140	0.0400	1	06/17/2022 15:27	WG1880965
Ethylbenzene	U		0.0212	0.100	1	06/17/2022 15:27	WG1880965
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/17/2022 15:27	WG1880965
Isopropylbenzene	U		0.0345	0.100	1	06/17/2022 15:27	WG1880965
p-Isopropyltoluene	U		0.0932	0.200	1	06/17/2022 15:27	WG1880965
2-Butanone (MEK)	U		0.500	1.00	1	06/17/2022 15:27	WG1880965
Methylene Chloride	U		0.265	1.00	1	06/17/2022 15:27	WG1880965
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/17/2022 15:27	WG1880965
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/17/2022 15:27	WG1880965
Naphthalene	U		0.124	0.500	1	06/17/2022 15:27	WG1880965
n-Propylbenzene	U		0.0472	0.200	1	06/17/2022 15:27	WG1880965
Styrene	U		0.109	0.500	1	06/17/2022 15:27	WG1880965

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/17/2022 15:27	WG1880965
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/17/2022 15:27	WG1880965
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/17/2022 15:27	WG1880965
Tetrachloroethene	U		0.0280	0.100	1	06/17/2022 15:27	WG1880965
Toluene	0.181	U	0.0500	0.200	1	06/17/2022 15:27	WG1880965
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/17/2022 15:27	WG1880965
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/17/2022 15:27	WG1880965
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/17/2022 15:27	WG1880965
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/17/2022 15:27	WG1880965
Trichloroethene	U		0.0160	0.0400	1	06/17/2022 15:27	WG1880965
Trichlorofluoromethane	U		0.0200	0.100	1	06/17/2022 15:27	WG1880965
1,2,3-Trichloropropane	U		0.204	0.500	1	06/17/2022 15:27	WG1880965
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/17/2022 15:27	WG1880965
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/17/2022 15:27	WG1880965
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/17/2022 15:27	WG1880965
Vinyl chloride	U		0.0273	0.100	1	06/17/2022 15:27	WG1880965
Xylenes, Total	U		0.191	0.260	1	06/17/2022 15:27	WG1880965
Ethyl Ether	U		0.0170	0.100	1	06/17/2022 15:27	WG1880965
Tetrahydrofuran	0.299	U	0.0900	0.500	1	06/17/2022 15:27	WG1880965
Iodomethane	U		0.242	0.500	1	06/17/2022 15:27	WG1880965
Allyl chloride	U		0.580	1.00	1	06/17/2022 15:27	WG1880965
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/17/2022 15:27	WG1880965
(S) Toluene-d8	101			75.0-131		06/17/2022 15:27	WG1880965
(S) 4-Bromofluorobenzene	101			67.0-138		06/17/2022 15:27	WG1880965
(S) 1,2-Dichloroethane-d4	99.3			70.0-130		06/17/2022 15:27	WG1880965

1
Cp

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Tc

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Ss

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Cn

5
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) R3812074-1 07/03/22 10:33

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1503658-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1503658-17 07/03/22 15:46 • (DUP) R3812074-3 07/03/22 15:59

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	125000	124000	1	0.610		15

L1503808-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1503808-08 07/03/22 20:32 • (DUP) R3812074-6 07/03/22 20:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	139000	139000	1	0.0429		15

Laboratory Control Sample (LCS)

(LCS) R3812074-2 07/03/22 10:47

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	41300	103	80.0-120	

L1503658-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1503658-17 07/03/22 15:46 • (MS) R3812074-4 07/03/22 16:13 • (MSD) R3812074-5 07/03/22 16:26

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	125000	170000	170000	90.1	89.3	1	80.0-120			0.228	15

L1503808-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1503808-08 07/03/22 20:32 • (MS) R3812074-7 07/03/22 20:58 • (MSD) R3812074-8 07/03/22 21:11

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	139000	182000	183000	86.5	89.1	1	80.0-120			0.723	15

L1504014-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1504014-01 07/03/22 22:02 • (MS) R3812074-9 07/03/22 22:16 • (MSD) R3812074-10 07/03/22 22:32

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 %
Sulfate	50000	8950	61200	60800	105	104	1	80.0-120			0.659	15

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3812183-1 07/03/22 10:48

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1502693-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1502693-01 07/03/22 17:13 • (DUP) R3812183-3 07/03/22 17:28

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	227000	230000	1	1.32	E	15

L1504184-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1504184-01 07/03/22 21:24 • (DUP) R3812183-6 07/03/22 21:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	14600	14700	1	0.384		15

Laboratory Control Sample (LCS)

(LCS) R3812183-2 07/03/22 11:03

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	39200	98.0	80.0-120	

L1502693-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1502693-01 07/03/22 17:13 • (MS) R3812183-4 07/03/22 17:49 • (MSD) R3812183-5 07/03/22 18:04

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	227000	266000	266000	77.1	76.8	1	80.0-120	E V	E V	0.0501	15

L1504184-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1504184-01 07/03/22 21:24 • (MS) R3812183-7 07/03/22 22:00

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	14600	67100	105	1	80.0-120	

Method Blank (MB)

(MB) R3805960-2 06/21/22 23:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	171	↓	102	1000

1 Cp

2 Tc

3 Ss

L1503645-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1503645-15 06/22/22 01:58 • (DUP) R3805960-5 06/22/22 02:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	1440	1380	1	4.11		20

4 Cn

5 Sr

L1503808-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1503808-05 06/22/22 05:44 • (DUP) R3805960-8 06/22/22 05:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	21000	20900	1	0.573		20

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3805960-1 06/21/22 23:44

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	78800	105	85.0-115	

L1503645-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1503645-12 06/22/22 00:47 • (MS) R3805960-3 06/22/22 01:04 • (MSD) R3805960-4 06/22/22 01:20

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	1930	54200	53800	105	104	1	80.0-120			0.852	20

L1503767-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1503767-04 06/22/22 03:54 • (MS) R3805960-6 06/22/22 04:13 • (MSD) R3805960-7 06/22/22 04:31

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	856	52600	52600	104	103	1	80.0-120			0.133	20

Method Blank (MB)

(MB) R3809094-1 06/29/22 15:10

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

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R3809094-2 06/29/22 15:13

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	5000	5020	100	80.0-120	
Manganese	50.0	49.6	99.2	80.0-120	

4 Cn

5 Sr

6 Qc

L1503648-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1503648-08 06/29/22 15:16 • (MS) R3809094-4 06/29/22 15:23 • (MSD) R3809094-5 06/29/22 15:26

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	5000	U	4870	4890	97.5	97.8	1	75.0-125			0.316	20
Manganese	50.0	U	48.0	47.2	96.1	94.5	1	75.0-125			1.64	20

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3808615-1 06/28/22 18:17

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3808615-2 06/28/22 18:21

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	4840	96.8	80.0-120	
Manganese	50.0	47.3	94.5	80.0-120	

L1503537-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1503537-03 06/28/22 18:24 • (MS) R3808615-4 06/28/22 18:31 • (MSD) R3808615-5 06/28/22 18:34

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	1470	6060	6100	91.9	92.6	1	75.0-125			0.588	20
Manganese	50.0	235	277	279	84.2	89.2	1	75.0-125			0.894	20

Method Blank (MB)

(MB) R3805565-2 06/17/22 04:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	96.7			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3805565-1 06/17/22 03:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5630	102	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			97.9	78.0-120	

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

Method Blank (MB)

(MB) R3804307-2 06/17/22 09:28

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

L1503647-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1503647-05 06/17/22 10:09 • (DUP) R3804307-3 06/17/22 10:20

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

L1504052-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1504052-06 06/17/22 11:54 • (DUP) R3804307-4 06/17/22 11:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	329	316	1	4.03		20
Ethane	2.15	2.12	1	1.41		20
Ethene	U	U	1	0.000		20

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

(LCS) R3804307-1 06/17/22 09:24 • (LCSD) R3804307-7 06/17/22 12:06

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	66.9	71.7	98.7	106	85.0-115			6.93	20
Ethane	129	119	128	92.2	99.2	85.0-115			7.29	20
Ethene	127	120	129	94.5	102	85.0-115			7.23	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1503808-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1503808-08 06/17/22 11:31 • (MS) R3804307-5 06/17/22 12:00 • (MSD) R3804307-6 06/17/22 12:02

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 %
Methane	67.8	84.8	154	150	102	96.2	1	85.0-115			2.63	20
Ethane	129	U	130	125	101	96.9	1	85.0-115			3.92	20
Ethene	127	U	130	126	102	99.2	1	85.0-115			3.12	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3804071-2 06/16/22 12:42

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

L1503460-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1503460-10 06/16/22 14:56 • (DUP) R3804071-3 06/16/22 14:58

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

L1504052-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1504052-07 06/16/22 16:49 • (DUP) R3804071-4 06/16/22 16:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	332	331	1	0.302		20
Ethane	1.80	2.05	1	200		20
Ethene	U	U	1	0.000		20

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

(LCS) R3804071-1 06/16/22 12:39 • (LCSD) R3804071-7 06/16/22 17:02

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	71.9	66.5	106	98.1	85.0-115			7.80	20
Ethane	129	127	125	98.4	96.9	85.0-115			1.59	20
Ethene	127	128	130	101	102	85.0-115			1.55	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1503794-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1503794-07 06/16/22 16:09 • (MS) R3804071-5 06/16/22 16:55 • (MSD) R3804071-6 06/16/22 16:59

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 %
Methane	67.8	4900	4940	4920	59.0	29.5	1	85.0-115	√	√	0.406	20
Ethane	129	U	125	125	96.9	96.9	1	85.0-115			0.000	20
Ethene	127	U	125	123	98.4	96.9	1	85.0-115			1.61	20

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

Method Blank (MB)

(MB) R3804664-3 06/17/22 12:11

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3804664-3 06/17/22 12:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	107			75.0-131
(S) 4-Bromofluorobenzene	105			67.0-138
(S) 1,2-Dichloroethane-d4	99.2			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3804664-1 06/17/22 10:53 • (LCSD) R3804664-2 06/17/22 11:13

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	25.9	24.7	104	98.8	10.0-160			4.74	31
Acrylonitrile	25.0	24.9	25.0	99.6	100	45.0-153			0.401	22
Benzene	5.00	5.03	5.04	101	101	70.0-123			0.199	20
Bromobenzene	5.00	5.22	5.14	104	103	73.0-121			1.54	20
Bromodichloromethane	5.00	5.32	5.27	106	105	73.0-121			0.944	20
Bromoform	5.00	5.62	5.35	112	107	64.0-132			4.92	20
Bromomethane	5.00	5.75	6.15	115	123	56.0-147			6.72	20
n-Butylbenzene	5.00	6.12	6.05	122	121	68.0-135			1.15	20
sec-Butylbenzene	5.00	5.65	5.56	113	111	74.0-130			1.61	20
tert-Butylbenzene	5.00	5.27	5.19	105	104	75.0-127			1.53	20
Carbon tetrachloride	5.00	5.78	5.63	116	113	66.0-128			2.63	20
Chlorobenzene	5.00	5.11	5.08	102	102	76.0-128			0.589	20
Chlorodibromomethane	5.00	5.00	5.09	100	102	74.0-127			1.78	20
Chloroethane	5.00	5.38	5.27	108	105	61.0-134			2.07	20
Chloroform	5.00	5.21	5.25	104	105	72.0-123			0.765	20
Chloromethane	5.00	5.11	4.92	102	98.4	51.0-138			3.79	20
2-Chlorotoluene	5.00	5.48	5.77	110	115	75.0-124			5.16	20
4-Chlorotoluene	5.00	5.75	5.37	115	107	75.0-124			6.83	20
1,2-Dibromo-3-Chloropropane	5.00	5.34	5.47	107	109	59.0-130			2.41	20
1,2-Dibromoethane	5.00	5.21	4.95	104	99.0	74.0-128			5.12	20
Dibromomethane	5.00	4.93	4.94	98.6	98.8	75.0-122			0.203	20
1,2-Dichlorobenzene	5.00	5.36	5.22	107	104	76.0-124			2.65	20
1,3-Dichlorobenzene	5.00	5.38	5.39	108	108	76.0-125			0.186	20
1,4-Dichlorobenzene	5.00	4.97	5.04	99.4	101	77.0-121			1.40	20
Dichlorodifluoromethane	5.00	4.20	4.05	84.0	81.0	43.0-156			3.64	20
1,1-Dichloroethane	5.00	5.06	4.93	101	98.6	70.0-127			2.60	20
1,2-Dichloroethane	5.00	4.80	4.99	96.0	99.8	65.0-131			3.88	20
1,1-Dichloroethene	5.00	5.29	5.15	106	103	65.0-131			2.68	20
cis-1,2-Dichloroethene	5.00	5.83	5.86	117	117	73.0-125			0.513	20
trans-1,2-Dichloroethene	5.00	5.41	5.09	108	102	71.0-125			6.10	20
1,2-Dichloropropane	5.00	4.96	5.05	99.2	101	74.0-125			1.80	20
1,1-Dichloropropene	5.00	5.27	5.21	105	104	73.0-125			1.15	20
1,3-Dichloropropane	5.00	5.24	5.09	105	102	80.0-125			2.90	20
cis-1,3-Dichloropropene	5.00	5.33	5.20	107	104	76.0-127			2.47	20
trans-1,3-Dichloropropene	5.00	4.62	4.84	92.4	96.8	73.0-127			4.65	20
2,2-Dichloropropane	5.00	6.09	5.76	122	115	59.0-135			5.57	20
Di-isopropyl ether	5.00	4.91	4.78	98.2	95.6	60.0-136			2.68	20
Ethylbenzene	5.00	5.39	5.29	108	106	74.0-126			1.87	20
Hexachloro-1,3-butadiene	5.00	5.97	5.75	119	115	57.0-150			3.75	20
Isopropylbenzene	5.00	5.54	5.39	111	108	72.0-127			2.74	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3804664-1 06/17/22 10:53 • (LCSD) R3804664-2 06/17/22 11:13

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 %
p-Isopropyltoluene	5.00	5.48	5.38	110	108	72.0-133			1.84	20
2-Butanone (MEK)	25.0	24.1	23.6	96.4	94.4	30.0-160			2.10	24
Methylene Chloride	5.00	5.31	5.27	106	105	68.0-123			0.756	20
4-Methyl-2-pentanone (MIBK)	25.0	25.6	25.0	102	100	56.0-143			2.37	20
Methyl tert-butyl ether	5.00	4.87	4.81	97.4	96.2	66.0-132			1.24	20
Naphthalene	5.00	4.27	4.40	85.4	88.0	59.0-130			3.00	20
n-Propylbenzene	5.00	5.53	5.37	111	107	74.0-126			2.94	20
Styrene	5.00	5.68	5.37	114	107	72.0-127			5.61	20
1,1,1,2-Tetrachloroethane	5.00	5.17	5.13	103	103	74.0-129			0.777	20
1,1,2,2-Tetrachloroethane	5.00	5.31	5.38	106	108	68.0-128			1.31	20
1,1,2-Trichlorotrifluoroethane	5.00	4.73	4.63	94.6	92.6	61.0-139			2.14	20
Tetrachloroethene	5.00	5.87	5.58	117	112	70.0-136			5.07	20
Toluene	5.00	5.07	4.88	101	97.6	75.0-121			3.82	20
1,2,3-Trichlorobenzene	5.00	5.34	5.34	107	107	59.0-139			0.000	20
1,2,4-Trichlorobenzene	5.00	5.41	5.40	108	108	62.0-137			0.185	20
1,1,1-Trichloroethane	5.00	5.60	5.36	112	107	69.0-126			4.38	20
1,1,2-Trichloroethane	5.00	5.17	5.12	103	102	78.0-123			0.972	20
Trichloroethene	5.00	5.36	5.19	107	104	76.0-126			3.22	20
Trichlorofluoromethane	5.00	5.19	5.06	104	101	61.0-142			2.54	20
1,2,3-Trichloropropane	5.00	5.26	5.40	105	108	67.0-129			2.63	20
1,2,4-Trimethylbenzene	5.00	5.35	5.47	107	109	70.0-126			2.22	20
1,2,3-Trimethylbenzene	5.00	5.14	5.12	103	102	74.0-124			0.390	20
1,3,5-Trimethylbenzene	5.00	5.16	5.05	103	101	73.0-127			2.15	20
Vinyl chloride	5.00	5.34	4.94	107	98.8	63.0-134			7.78	20
Xylenes, Total	15.0	17.1	15.7	114	105	72.0-127			8.54	20
Ethyl ether	5.00	4.85	4.76	97.0	95.2	64.0-137			1.87	20
Tetrahydrofuran	5.00	4.58	4.57	91.6	91.4	37.0-146			0.219	24
Iodomethane	25.0	27.3	27.6	109	110	74.0-134			1.09	20
Allyl chloride	25.0	26.3	25.8	105	103	70.0-131			1.92	20
trans-1,4-Dichloro-2-butene	5.00	4.52	4.66	90.4	93.2	45.0-143			3.05	20
(S) Toluene-d8				101	99.4	75.0-131				
(S) 4-Bromofluorobenzene				103	102	67.0-138				
(S) 1,2-Dichloroethane-d4				99.5	101	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3806037-2 06/20/22 21:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
(S) Toluene-d8	98.3			75.0-131
(S) 4-Bromofluorobenzene	97.2			67.0-138
(S) 1,2-Dichloroethane-d4	110			70.0-130

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

(LCS) R3806037-1 06/20/22 20:24 • (LCSD) R3806037-3 06/20/22 23:13

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 %
cis-1,2-Dichloroethene	5.00	5.26	5.34	105	107	73.0-125			1.51	20
(S) Toluene-d8				97.8	97.8	75.0-131				
(S) 4-Bromofluorobenzene				99.2	100	67.0-138				
(S) 1,2-Dichloroethane-d4				109	108	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 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.

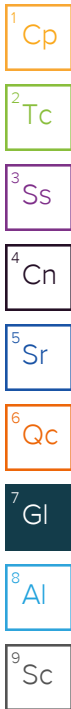
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

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.
V	The sample concentration is too high to evaluate accurate spike recoveries.



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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 2



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



Report to:
Brian O'Neal/Bill Haldeman

Email To:
bhoneal@pesenv.com; bhaldeman@pesenv.com;

Project Description:
American Linen

City/State
Collected: **SEATTLE, WA**

Please Circle:
PT MT CT ET

Phone: 206-529-3980

Client Project #
1413.001.10.701

Lab Project #
PESENVSWA-ALP

Collected by (print):
KTM

Site/Facility ID #

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

Immediately
Packed on Ice N ___ Y

___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

No.
of
Ctrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Ctrs	ALK 125mlHDPE-NoPres	RSK175LL 40mlAmb-HCl	TOC 250mlHDPE-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260ULLC 40mlAmb HCl	NWTPH-Gx/-DulAmb/ACL	Remarks	Sample # (lab only)
MW-320-060822	Grab	GW	1	6/8/22	1106	3					X			-01
MW+H3-060822		GW			1140	8	X	X	X	X	X			-02
MW-322-060822		GW			1225	3					X			-03
MW+H6-060822		GW			1301	8	X	X	X	X	X			-04
MW128-060822		GW			1410	3					X			-05
MW-9-060822		GW		↓	1500	11	X	X	X	X	X	X		-06
MW-972-060822		GW		6/8/22	1545	11	X	X	X	X	X	X		-07
FMW-131-060922		GW		6/9/22	0937	3					X			-08
GEI-2-060922		GW		↓	1047	3					X			-09
MW123-060922	Grab	GW	1	↓	1141	3					X			-10

* 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 # **5433 8382 0141**

pH ___ Temp ___
Flow ___ Other ___

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headpace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature) <i>[Signature]</i>	Date: 6/9/22	Time: 1540	Received by: (Signature)	Trip Blank Received: Yes/No 2 <input checked="" type="radio"/> HCl/MeOH <input type="radio"/> TBR	Temp: JAAK °C 4.3 to 4.3	Bottles Received: 59	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date: 6/10/22	Time: 900	Hold:	Condition: NCF / OK

PES Environmental, Inc. - WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres
Chk

Analysis / Container / Preservative



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



Report to:
Brian O'Neal/Bill Haldeman

Email To:
bhoneal@pesenv.com; bhaldeman@pesenv.com;

Project Description:
American Linen

City/State
Collected: **SEATTLE WA**

Please Circle:
PT MT CT ET

Phone: **206-529-3980**

Client Project #
1413.001.10.701

Lab Project #
PESENVSWA-ALP

Collected by (print):
RTM

Site/Facility ID #

P.O. #

Collected by (signature):
RTM

Rush? (Lab MUST Be Notified)

Quote #

Immediately
Packed on Ice N Y X

___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,Cl,S04 125mlHDPE-NoPres	ALK 125mlHDPE-NoPres	RSK175LL 40mlAmb-HCl	TOC 250mlHDPE-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260ULLC 40mlAmb HCl	NWTFH-Gx/40mlAmb/HCl	Remarks	Sample # (lab only)
MW-329-060922	Grab	GW	-	6/9/22	1325	3						X			11
TB-060922	-	GW	-	6/9/22	-	2						X	X		12
		GW													
		GW													
		GW													
		GW													
		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 #

pH ___ Temp ___
Flow ___ Other ___

Sample Receipt Checklist

COC Seal Present/Intact:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
COC Signed/Accurate:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
Bottles arrive intact:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
Correct bottles used:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
Sufficient volume sent:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
If Applicable				
VOA Zero Headspace:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
Preservation Correct/Checked:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N

Relinquished by: (Signature) <i>Bill Haldeman</i>	Date: 6/9/22	Time: 1540	Received by: (Signature)	Trip Blank Received: Yes/No 2/0 MeOH TBR	Bottles Received: 59	If preservation required by Login: Date/Time	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: JAGOC 4.3 to 4.3	Date: 6/10/22	Time: 900	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>	Date:	Time:	Hold:	Condition: NCF 100

- 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: L1520789
Samples Received: 08/02/2022
Project Number: 1413.001.10.701 TASK
Description: American Linen

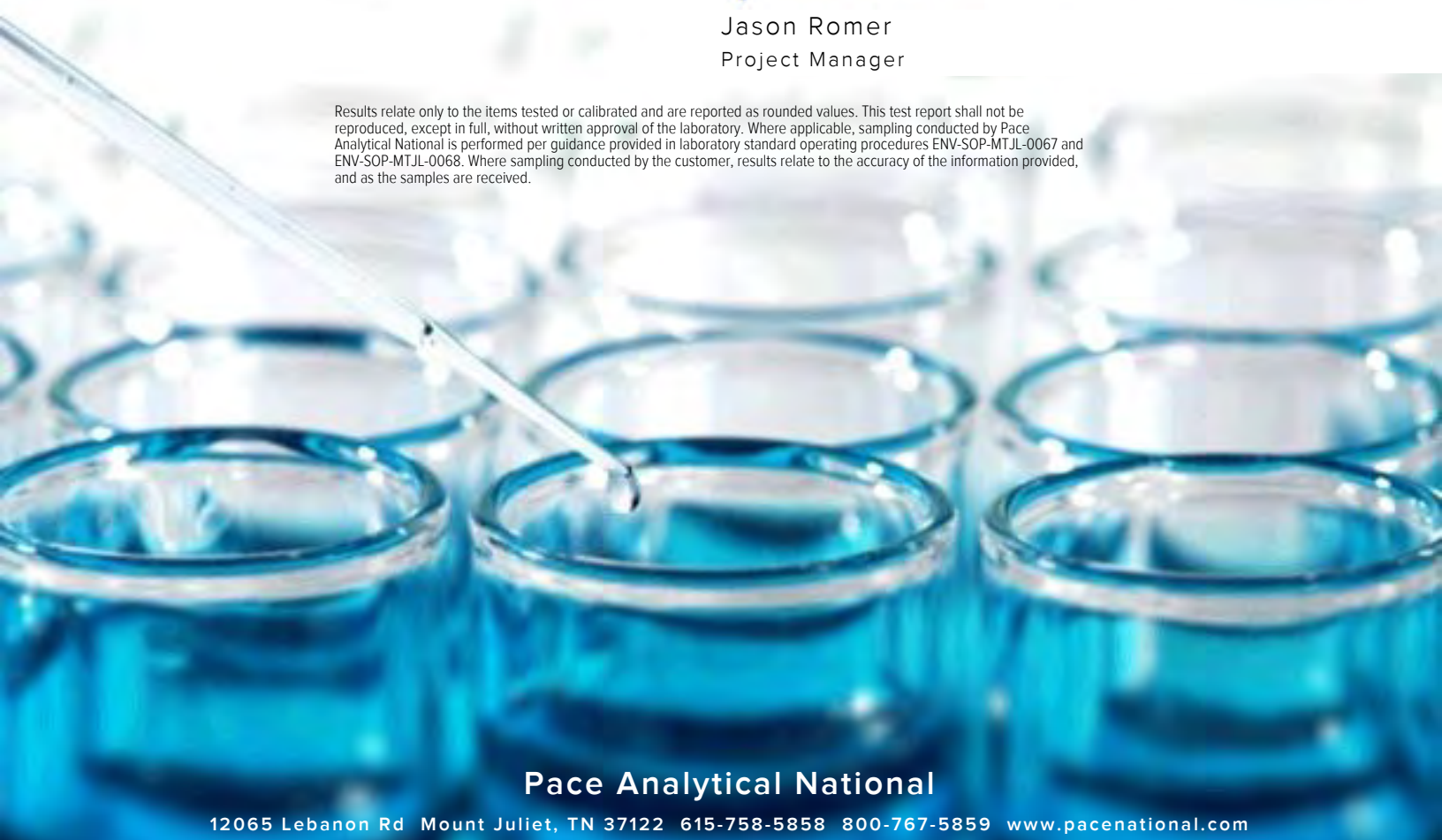
Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:



Jason Romer
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.

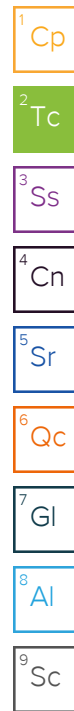


Pace Analytical National

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

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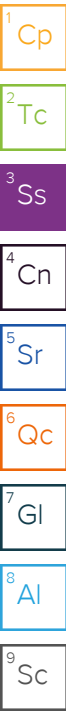


SAMPLE SUMMARY

HMW-9IB-080122 L1520789-01 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/01/22 12:11
 Received date/time: 08/02/22 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1904619	1	08/02/22 23:28	08/02/22 23:28	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1909551	10	08/23/22 04:40	08/23/22 04:40	BGM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1904355	1	08/03/22 10:26	08/03/22 10:26	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907098	25	08/08/22 05:32	08/08/22 05:32	DWR	Mt. Juliet, TN



MW-348-080122 L1520789-02 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/01/22 14:05
 Received date/time: 08/02/22 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1904619	1	08/02/22 23:40	08/02/22 23:40	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1909551	1	08/23/22 04:59	08/23/22 04:59	BGM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1904355	1	08/03/22 10:34	08/03/22 10:34	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907098	10	08/08/22 05:52	08/08/22 05:52	DWR	Mt. Juliet, TN

MW-349-080122 L1520789-03 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/01/22 14:16
 Received date/time: 08/02/22 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1904619	1	08/03/22 00:18	08/03/22 00:18	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1909551	1	08/23/22 05:24	08/23/22 05:24	BGM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1904355	1	08/03/22 10:41	08/03/22 10:41	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1904978	10	08/03/22 14:15	08/03/22 14:15	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907098	1	08/08/22 01:20	08/08/22 01:20	DWR	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.



Jason Romer
Project Manager

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	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	50200		379	1000	1	08/02/2022 23:28	WG1904619
Nitrate	86.6	J	48.0	100	1	08/02/2022 23:28	WG1904619
Sulfate	U		594	5000	1	08/02/2022 23:28	WG1904619

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)	129000		1020	10000	10	08/23/2022 04:40	WG1909551

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5270		0.287	0.678	1	08/03/2022 10:26	WG1904355
Ethane	18.1		0.296	1.29	1	08/03/2022 10:26	WG1904355
Ethene	136		0.422	1.27	1	08/03/2022 10:26	WG1904355

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	25.3		13.7	25.0	25	08/08/2022 05:32	WG1907098
Acrylonitrile	U		1.90	12.5	25	08/08/2022 05:32	WG1907098
Benzene	U		0.400	1.00	25	08/08/2022 05:32	WG1907098
Bromobenzene	U		1.05	12.5	25	08/08/2022 05:32	WG1907098
Bromodichloromethane	U		0.788	2.50	25	08/08/2022 05:32	WG1907098
Bromoform	U	C3	5.98	25.0	25	08/08/2022 05:32	WG1907098
Bromomethane	U	C3	3.70	12.5	25	08/08/2022 05:32	WG1907098
n-Butylbenzene	U		3.83	12.5	25	08/08/2022 05:32	WG1907098
sec-Butylbenzene	U		2.53	12.5	25	08/08/2022 05:32	WG1907098
tert-Butylbenzene	U		1.55	5.00	25	08/08/2022 05:32	WG1907098
Carbon tetrachloride	U		1.08	5.00	25	08/08/2022 05:32	WG1907098
Chlorobenzene	U		0.573	2.50	25	08/08/2022 05:32	WG1907098
Chlorodibromomethane	U		0.450	2.50	25	08/08/2022 05:32	WG1907098
Chloroethane	U		1.08	5.00	25	08/08/2022 05:32	WG1907098
Chloroform	U		0.415	2.50	25	08/08/2022 05:32	WG1907098
Chloromethane	U	C3	1.39	12.5	25	08/08/2022 05:32	WG1907098
2-Chlorotoluene	U		0.920	2.50	25	08/08/2022 05:32	WG1907098
4-Chlorotoluene	U		1.13	5.00	25	08/08/2022 05:32	WG1907098
1,2-Dibromo-3-Chloropropane	U	C3	5.10	25.0	25	08/08/2022 05:32	WG1907098
1,2-Dibromoethane	U		0.525	2.50	25	08/08/2022 05:32	WG1907098
Dibromomethane	U		1.00	5.00	25	08/08/2022 05:32	WG1907098
1,2-Dichlorobenzene	U		1.45	5.00	25	08/08/2022 05:32	WG1907098
1,3-Dichlorobenzene	U		1.70	5.00	25	08/08/2022 05:32	WG1907098
1,4-Dichlorobenzene	U		1.97	5.00	25	08/08/2022 05:32	WG1907098
Dichlorodifluoromethane	U		0.818	2.50	25	08/08/2022 05:32	WG1907098
1,1-Dichloroethane	U		0.575	2.50	25	08/08/2022 05:32	WG1907098
1,2-Dichloroethane	U		0.475	2.50	25	08/08/2022 05:32	WG1907098
1,1-Dichloroethene	4.65		0.500	2.50	25	08/08/2022 05:32	WG1907098
cis-1,2-Dichloroethene	2190		0.690	2.50	25	08/08/2022 05:32	WG1907098
trans-1,2-Dichloroethene	8.25		1.43	5.00	25	08/08/2022 05:32	WG1907098
1,2-Dichloropropane	U		1.27	5.00	25	08/08/2022 05:32	WG1907098
1,1-Dichloropropene	U		0.700	2.50	25	08/08/2022 05:32	WG1907098
1,3-Dichloropropane	U		1.75	5.00	25	08/08/2022 05:32	WG1907098
cis-1,3-Dichloropropene	U		0.678	2.50	25	08/08/2022 05:32	WG1907098
trans-1,3-Dichloropropene	U		1.53	5.00	25	08/08/2022 05:32	WG1907098

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	
2,2-Dichloropropane	U		0.793	2.50	25	08/08/2022 05:32	WG1907098
Di-isopropyl ether	U		0.350	1.00	25	08/08/2022 05:32	WG1907098
Ethylbenzene	U		0.530	2.50	25	08/08/2022 05:32	WG1907098
Hexachloro-1,3-butadiene	U		12.7	25.0	25	08/08/2022 05:32	WG1907098
Isopropylbenzene	U		0.863	2.50	25	08/08/2022 05:32	WG1907098
p-Isopropyltoluene	U		2.33	5.00	25	08/08/2022 05:32	WG1907098
2-Butanone (MEK)	180		12.5	25.0	25	08/08/2022 05:32	WG1907098
Methylene Chloride	U		6.63	25.0	25	08/08/2022 05:32	WG1907098
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	08/08/2022 05:32	WG1907098
Methyl tert-butyl ether	U		0.295	1.00	25	08/08/2022 05:32	WG1907098
Naphthalene	U		3.10	12.5	25	08/08/2022 05:32	WG1907098
n-Propylbenzene	U		1.18	5.00	25	08/08/2022 05:32	WG1907098
Styrene	U		2.73	12.5	25	08/08/2022 05:32	WG1907098
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	08/08/2022 05:32	WG1907098
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	08/08/2022 05:32	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	08/08/2022 05:32	WG1907098
Tetrachloroethene	U		0.700	2.50	25	08/08/2022 05:32	WG1907098
Toluene	U		1.25	5.00	25	08/08/2022 05:32	WG1907098
1,2,3-Trichlorobenzene	U		0.625	12.5	25	08/08/2022 05:32	WG1907098
1,2,4-Trichlorobenzene	U		4.83	12.5	25	08/08/2022 05:32	WG1907098
1,1,1-Trichloroethane	U		0.275	2.50	25	08/08/2022 05:32	WG1907098
1,1,2-Trichloroethane	U		0.883	2.50	25	08/08/2022 05:32	WG1907098
Trichloroethene	2.08		0.400	1.00	25	08/08/2022 05:32	WG1907098
Trichlorofluoromethane	U		0.500	2.50	25	08/08/2022 05:32	WG1907098
1,2,3-Trichloropropane	U		5.10	12.5	25	08/08/2022 05:32	WG1907098
1,2,4-Trimethylbenzene	U		1.16	5.00	25	08/08/2022 05:32	WG1907098
1,2,3-Trimethylbenzene	U		1.15	5.00	25	08/08/2022 05:32	WG1907098
1,3,5-Trimethylbenzene	U		1.08	5.00	25	08/08/2022 05:32	WG1907098
Vinyl chloride	1330		0.682	2.50	25	08/08/2022 05:32	WG1907098
Xylenes, Total	U		4.78	6.50	25	08/08/2022 05:32	WG1907098
Ethyl Ether	U		0.425	2.50	25	08/08/2022 05:32	WG1907098
Tetrahydrofuran	33.0		2.25	12.5	25	08/08/2022 05:32	WG1907098
Iodomethane	U		6.05	12.5	25	08/08/2022 05:32	WG1907098
Allyl chloride	U		14.5	25.0	25	08/08/2022 05:32	WG1907098
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	08/08/2022 05:32	WG1907098
(S) Toluene-d8	101			75.0-131		08/08/2022 05:32	WG1907098
(S) 4-Bromofluorobenzene	101			67.0-138		08/08/2022 05:32	WG1907098
(S) 1,2-Dichloroethane-d4	106			70.0-130		08/08/2022 05:32	WG1907098

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	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	39700		379	1000	1	08/02/2022 23:40	WG1904619
Nitrate	116		48.0	100	1	08/02/2022 23:40	WG1904619
Sulfate	56500		594	5000	1	08/02/2022 23:40	WG1904619

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)	1230		102	1000	1	08/23/2022 04:59	WG1909551

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	306		0.287	0.678	1	08/03/2022 10:34	WG1904355
Ethane	1.06	J	0.296	1.29	1	08/03/2022 10:34	WG1904355
Ethene	23.2		0.422	1.27	1	08/03/2022 10:34	WG1904355

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	16.4		5.48	10.0	10	08/08/2022 05:52	WG1907098
Acrylonitrile	U		0.760	5.00	10	08/08/2022 05:52	WG1907098
Benzene	U		0.160	0.400	10	08/08/2022 05:52	WG1907098
Bromobenzene	U		0.420	5.00	10	08/08/2022 05:52	WG1907098
Bromodichloromethane	U		0.315	1.00	10	08/08/2022 05:52	WG1907098
Bromoform	U	C3	2.39	10.0	10	08/08/2022 05:52	WG1907098
Bromomethane	U	C3	1.48	5.00	10	08/08/2022 05:52	WG1907098
n-Butylbenzene	U		1.53	5.00	10	08/08/2022 05:52	WG1907098
sec-Butylbenzene	U		1.01	5.00	10	08/08/2022 05:52	WG1907098
tert-Butylbenzene	U		0.620	2.00	10	08/08/2022 05:52	WG1907098
Carbon tetrachloride	U		0.432	2.00	10	08/08/2022 05:52	WG1907098
Chlorobenzene	U		0.229	1.00	10	08/08/2022 05:52	WG1907098
Chlorodibromomethane	U		0.180	1.00	10	08/08/2022 05:52	WG1907098
Chloroethane	U		0.432	2.00	10	08/08/2022 05:52	WG1907098
Chloroform	U		0.166	1.00	10	08/08/2022 05:52	WG1907098
Chloromethane	U	C3	0.556	5.00	10	08/08/2022 05:52	WG1907098
2-Chlorotoluene	U		0.368	1.00	10	08/08/2022 05:52	WG1907098
4-Chlorotoluene	U		0.452	2.00	10	08/08/2022 05:52	WG1907098
1,2-Dibromo-3-Chloropropane	U	C3	2.04	10.0	10	08/08/2022 05:52	WG1907098
1,2-Dibromoethane	U		0.210	1.00	10	08/08/2022 05:52	WG1907098
Dibromomethane	U		0.400	2.00	10	08/08/2022 05:52	WG1907098
1,2-Dichlorobenzene	U		0.580	2.00	10	08/08/2022 05:52	WG1907098
1,3-Dichlorobenzene	U		0.680	2.00	10	08/08/2022 05:52	WG1907098
1,4-Dichlorobenzene	U		0.788	2.00	10	08/08/2022 05:52	WG1907098
Dichlorodifluoromethane	U		0.327	1.00	10	08/08/2022 05:52	WG1907098
1,1-Dichloroethane	U		0.230	1.00	10	08/08/2022 05:52	WG1907098
1,2-Dichloroethane	U		0.190	1.00	10	08/08/2022 05:52	WG1907098
1,1-Dichloroethene	1.44		0.200	1.00	10	08/08/2022 05:52	WG1907098
cis-1,2-Dichloroethene	167		0.276	1.00	10	08/08/2022 05:52	WG1907098
trans-1,2-Dichloroethene	1.15	J	0.572	2.00	10	08/08/2022 05:52	WG1907098
1,2-Dichloropropane	U		0.508	2.00	10	08/08/2022 05:52	WG1907098
1,1-Dichloropropene	U		0.280	1.00	10	08/08/2022 05:52	WG1907098
1,3-Dichloropropane	U		0.700	2.00	10	08/08/2022 05:52	WG1907098
cis-1,3-Dichloropropene	U		0.271	1.00	10	08/08/2022 05:52	WG1907098
trans-1,3-Dichloropropene	U		0.612	2.00	10	08/08/2022 05:52	WG1907098

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
2,2-Dichloropropane	U		0.317	1.00	10	08/08/2022 05:52	WG1907098
Di-isopropyl ether	U		0.140	0.400	10	08/08/2022 05:52	WG1907098
Ethylbenzene	U		0.212	1.00	10	08/08/2022 05:52	WG1907098
Hexachloro-1,3-butadiene	U		5.08	10.0	10	08/08/2022 05:52	WG1907098
Isopropylbenzene	U		0.345	1.00	10	08/08/2022 05:52	WG1907098
p-Isopropyltoluene	U		0.932	2.00	10	08/08/2022 05:52	WG1907098
2-Butanone (MEK)	40.4		5.00	10.0	10	08/08/2022 05:52	WG1907098
Methylene Chloride	U		2.65	10.0	10	08/08/2022 05:52	WG1907098
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	08/08/2022 05:52	WG1907098
Methyl tert-butyl ether	U		0.118	0.400	10	08/08/2022 05:52	WG1907098
Naphthalene	U		1.24	5.00	10	08/08/2022 05:52	WG1907098
n-Propylbenzene	U		0.472	2.00	10	08/08/2022 05:52	WG1907098
Styrene	U		1.09	5.00	10	08/08/2022 05:52	WG1907098
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	08/08/2022 05:52	WG1907098
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	08/08/2022 05:52	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	08/08/2022 05:52	WG1907098
Tetrachloroethene	U		0.280	1.00	10	08/08/2022 05:52	WG1907098
Toluene	1.51	U	0.500	2.00	10	08/08/2022 05:52	WG1907098
1,2,3-Trichlorobenzene	U		0.250	5.00	10	08/08/2022 05:52	WG1907098
1,2,4-Trichlorobenzene	U		1.93	5.00	10	08/08/2022 05:52	WG1907098
1,1,1-Trichloroethane	U		0.110	1.00	10	08/08/2022 05:52	WG1907098
1,1,2-Trichloroethane	U		0.353	1.00	10	08/08/2022 05:52	WG1907098
Trichloroethene	2.38		0.160	0.400	10	08/08/2022 05:52	WG1907098
Trichlorofluoromethane	U		0.200	1.00	10	08/08/2022 05:52	WG1907098
1,2,3-Trichloropropane	U		2.04	5.00	10	08/08/2022 05:52	WG1907098
1,2,4-Trimethylbenzene	U		0.464	2.00	10	08/08/2022 05:52	WG1907098
1,2,3-Trimethylbenzene	U		0.460	2.00	10	08/08/2022 05:52	WG1907098
1,3,5-Trimethylbenzene	U		0.432	2.00	10	08/08/2022 05:52	WG1907098
Vinyl chloride	123		0.273	1.00	10	08/08/2022 05:52	WG1907098
Xylenes, Total	U		1.91	2.60	10	08/08/2022 05:52	WG1907098
Ethyl Ether	U		0.170	1.00	10	08/08/2022 05:52	WG1907098
Tetrahydrofuran	32.5		0.900	5.00	10	08/08/2022 05:52	WG1907098
Iodomethane	U		2.42	5.00	10	08/08/2022 05:52	WG1907098
Allyl chloride	U		5.80	10.0	10	08/08/2022 05:52	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	08/08/2022 05:52	WG1907098
(S) Toluene-d8	100			75.0-131		08/08/2022 05:52	WG1907098
(S) 4-Bromofluorobenzene	98.7			67.0-138		08/08/2022 05:52	WG1907098
(S) 1,2-Dichloroethane-d4	102			70.0-130		08/08/2022 05:52	WG1907098

- 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	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	56300		379	1000	1	08/03/2022 00:18	WG1904619
Nitrate	U		48.0	100	1	08/03/2022 00:18	WG1904619
Sulfate	U		594	5000	1	08/03/2022 00:18	WG1904619

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)	25400	<u>J6</u>	102	1000	1	08/23/2022 05:24	WG1909551

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	13500		2.87	6.78	10	08/03/2022 14:15	WG1904978
Ethane	4.02		0.296	1.29	1	08/03/2022 10:41	WG1904355
Ethene	12.9		0.422	1.27	1	08/03/2022 10:41	WG1904355

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	37.7		0.548	1.00	1	08/08/2022 01:20	WG1907098
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 01:20	WG1907098
Benzene	0.0380	<u>J</u>	0.0160	0.0400	1	08/08/2022 01:20	WG1907098
Bromobenzene	U		0.0420	0.500	1	08/08/2022 01:20	WG1907098
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 01:20	WG1907098
Bromoform	U	<u>C3</u>	0.239	1.00	1	08/08/2022 01:20	WG1907098
Bromomethane	U	<u>C3</u>	0.148	0.500	1	08/08/2022 01:20	WG1907098
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 01:20	WG1907098
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 01:20	WG1907098
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 01:20	WG1907098
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 01:20	WG1907098
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 01:20	WG1907098
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 01:20	WG1907098
Chloroethane	U		0.0432	0.200	1	08/08/2022 01:20	WG1907098
Chloroform	U		0.0166	0.100	1	08/08/2022 01:20	WG1907098
Chloromethane	U	<u>C3</u>	0.0556	0.500	1	08/08/2022 01:20	WG1907098
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 01:20	WG1907098
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 01:20	WG1907098
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	08/08/2022 01:20	WG1907098
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 01:20	WG1907098
Dibromomethane	U		0.0400	0.200	1	08/08/2022 01:20	WG1907098
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 01:20	WG1907098
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 01:20	WG1907098
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 01:20	WG1907098
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 01:20	WG1907098
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 01:20	WG1907098
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 01:20	WG1907098
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 01:20	WG1907098
cis-1,2-Dichloroethene	12.8		0.0276	0.100	1	08/08/2022 01:20	WG1907098
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2022 01:20	WG1907098
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 01:20	WG1907098
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2022 01:20	WG1907098
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 01:20	WG1907098
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 01:20	WG1907098
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 01:20	WG1907098

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
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 01:20	WG1907098
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 01:20	WG1907098
Ethylbenzene	0.151		0.0212	0.100	1	08/08/2022 01:20	WG1907098
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 01:20	WG1907098
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 01:20	WG1907098
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 01:20	WG1907098
2-Butanone (MEK)	211		0.500	1.00	1	08/08/2022 01:20	WG1907098
Methylene Chloride	U		0.265	1.00	1	08/08/2022 01:20	WG1907098
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 01:20	WG1907098
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 01:20	WG1907098
Naphthalene	U		0.124	0.500	1	08/08/2022 01:20	WG1907098
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 01:20	WG1907098
Styrene	U		0.109	0.500	1	08/08/2022 01:20	WG1907098
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 01:20	WG1907098
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 01:20	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 01:20	WG1907098
Tetrachloroethene	0.126		0.0280	0.100	1	08/08/2022 01:20	WG1907098
Toluene	1.27		0.0500	0.200	1	08/08/2022 01:20	WG1907098
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 01:20	WG1907098
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 01:20	WG1907098
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 01:20	WG1907098
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 01:20	WG1907098
Trichloroethene	0.203		0.0160	0.0400	1	08/08/2022 01:20	WG1907098
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 01:20	WG1907098
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 01:20	WG1907098
1,2,4-Trimethylbenzene	0.120	U	0.0464	0.200	1	08/08/2022 01:20	WG1907098
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 01:20	WG1907098
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 01:20	WG1907098
Vinyl chloride	23.2		0.0273	0.100	1	08/08/2022 01:20	WG1907098
Xylenes, Total	0.817		0.191	0.260	1	08/08/2022 01:20	WG1907098
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 01:20	WG1907098
Tetrahydrofuran	77.5		0.0900	0.500	1	08/08/2022 01:20	WG1907098
Iodomethane	U		0.242	0.500	1	08/08/2022 01:20	WG1907098
Allyl chloride	U		0.580	1.00	1	08/08/2022 01:20	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 01:20	WG1907098
(S) Toluene-d8	103			75.0-131		08/08/2022 01:20	WG1907098
(S) 4-Bromofluorobenzene	99.4			67.0-138		08/08/2022 01:20	WG1907098
(S) 1,2-Dichloroethane-d4	97.4			70.0-130		08/08/2022 01:20	WG1907098

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

Method Blank (MB)

(MB) R3822193-1 08/02/22 21:48

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Chloride	U		379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1520570-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1520570-01 08/02/22 22:13 • (DUP) R3822193-3 08/02/22 22:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	46800	46500	1	0.651		15
Nitrate	137	129	1	5.57		15
Sulfate	2500	2430	1	3.13	U	15

L1520846-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1520846-01 08/03/22 00:43 • (DUP) R3822193-5 08/03/22 00:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	3600000	3620000	20	0.794		15
Nitrate	1320	1390	20	5.49	U	15
Sulfate	479000	483000	20	0.640		15

Laboratory Control Sample (LCS)

(LCS) R3822193-2 08/02/22 22:01

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Chloride	40000	40200	101	80.0-120	
Nitrate	8000	7950	99.3	80.0-120	
Sulfate	40000	40500	101	80.0-120	

L1520570-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1520570-01 08/02/22 22:13 • (MS) R3822193-4 08/02/22 22:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	46800	95900	98.2	1	80.0-120	
Nitrate	5000	137	5480	107	1	80.0-120	
Sulfate	50000	2500	53600	102	1	80.0-120	

L1520846-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1520846-01 08/03/22 00:43 • (MS) R3822193-6 08/03/22 01:08 • (MSD) R3822193-7 08/03/22 01:20

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 %
Chloride	50000	3600000	3540000	3520000	0.000	0.000	20	80.0-120	V	V	0.534	15
Nitrate	5000	1320	6520	6590	104	105	20	80.0-120			1.05	15
Sulfate	50000	479000	517000	514000	75.1	68.4	20	80.0-120	V	V	0.644	15

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

Method Blank (MB)

(MB) R3829144-2 08/22/22 18:52

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1519785-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1519785-01 08/22/22 19:16 • (DUP) R3829144-3 08/22/22 19:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	2040	2020	1	0.885		20

L1520655-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1520655-02 08/23/22 01:52 • (DUP) R3829144-6 08/23/22 02:11

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3829144-1 08/22/22 18:31

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	77000	103	85.0-115	

L1520361-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1520361-08 08/22/22 21:45 • (MS) R3829144-4 08/22/22 22:19 • (MSD) R3829144-5 08/22/22 22:42

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	6700	52900	54200	92.3	95.0	1	80.0-120			2.52	20

L1520789-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1520789-03 08/23/22 05:24 • (MS) R3829144-7 08/23/22 05:47 • (MSD) R3829144-8 08/23/22 06:31

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	25400	46400	55000	42.0	59.0	1	80.0-120	<u>J6</u>	<u>J6</u>	16.8	20

Method Blank (MB)

(MB) R3822127-2 08/03/22 09:50

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

L1520846-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1520846-01 08/03/22 10:48 • (DUP) R3822127-3 08/03/22 11:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	7.08	7.46	1	5.23		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1520846-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1520846-15 08/03/22 11:28 • (DUP) R3822127-4 08/03/22 11:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	10400	10800	10	3.77		20
Ethane	U	U	10	0.000		20
Ethene	U	U	10	0.000		20

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

(LCS) R3822127-1 08/03/22 09:46 • (LCSD) R3822127-5 08/03/22 12:03

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	68.4	72.2	101	106	85.0-115			5.41	20
Ethane	129	116	124	89.9	96.1	85.0-115			6.67	20
Ethene	127	116	124	91.3	97.6	85.0-115			6.67	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3822269-2 08/03/22 13:47

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

1 Cp

2 Tc

3 Ss

L1521016-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1521016-03 08/03/22 15:04 • (DUP) R3822269-3 08/03/22 15:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	56.0	55.0	1	1.80		20

4 Cn

5 Sr

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

(LCS) R3822269-1 08/03/22 13:44 • (LCSD) R3822269-4 08/03/22 15:20

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Methane	67.8	75.7	72.6	112	107	85.0-115			4.18	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3824346-3 08/07/22 23:41

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3824346-3 08/07/22 23:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	102			75.0-131
(S) 4-Bromofluorobenzene	96.1			67.0-138
(S) 1,2-Dichloroethane-d4	97.1			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3824346-1 08/07/22 22:03 • (LCSD) R3824346-2 08/07/22 22:23

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 %
Acetone	25.0	26.0	23.4	104	93.6	10.0-160			10.5	31
Acrylonitrile	25.0	23.0	22.4	92.0	89.6	45.0-153			2.64	22
Benzene	5.00	4.43	4.56	88.6	91.2	70.0-123			2.89	20
Bromobenzene	5.00	4.81	5.15	96.2	103	73.0-121			6.83	20
Bromodichloromethane	5.00	4.76	4.83	95.2	96.6	73.0-121			1.46	20
Bromoform	5.00	3.83	3.80	76.6	76.0	64.0-132			0.786	20
Bromomethane	5.00	3.98	3.99	79.6	79.8	56.0-147			0.251	20
n-Butylbenzene	5.00	4.99	4.95	99.8	99.0	68.0-135			0.805	20
sec-Butylbenzene	5.00	5.03	5.47	101	109	74.0-130			8.38	20
tert-Butylbenzene	5.00	4.91	5.19	98.2	104	75.0-127			5.54	20
Carbon tetrachloride	5.00	5.04	5.06	101	101	66.0-128			0.396	20
Chlorobenzene	5.00	4.37	4.36	87.4	87.2	76.0-128			0.229	20
Chlorodibromomethane	5.00	4.03	4.20	80.6	84.0	74.0-127			4.13	20
Chloroethane	5.00	4.16	4.19	83.2	83.8	61.0-134			0.719	20
Chloroform	5.00	4.53	4.67	90.6	93.4	72.0-123			3.04	20
Chloromethane	5.00	3.62	3.58	72.4	71.6	51.0-138			1.11	20
2-Chlorotoluene	5.00	4.95	5.21	99.0	104	75.0-124			5.12	20
4-Chlorotoluene	5.00	4.68	4.90	93.6	98.0	75.0-124			4.59	20
1,2-Dibromo-3-Chloropropane	5.00	3.76	3.86	75.2	77.2	59.0-130			2.62	20
1,2-Dibromoethane	5.00	4.29	4.66	85.8	93.2	74.0-128			8.27	20
Dibromomethane	5.00	4.77	4.68	95.4	93.6	75.0-122			1.90	20
1,2-Dichlorobenzene	5.00	4.58	4.78	91.6	95.6	76.0-124			4.27	20
1,3-Dichlorobenzene	5.00	4.70	4.73	94.0	94.6	76.0-125			0.636	20
1,4-Dichlorobenzene	5.00	4.34	4.70	86.8	94.0	77.0-121			7.96	20
Dichlorodifluoromethane	5.00	4.53	4.70	90.6	94.0	43.0-156			3.68	20
1,1-Dichloroethane	5.00	4.46	4.39	89.2	87.8	70.0-127			1.58	20
1,2-Dichloroethane	5.00	4.41	4.46	88.2	89.2	65.0-131			1.13	20
1,1-Dichloroethene	5.00	4.91	4.91	98.2	98.2	65.0-131			0.000	20
cis-1,2-Dichloroethene	5.00	4.55	4.62	91.0	92.4	73.0-125			1.53	20
trans-1,2-Dichloroethene	5.00	4.46	4.21	89.2	84.2	71.0-125			5.77	20
1,2-Dichloropropane	5.00	4.63	4.75	92.6	95.0	74.0-125			2.56	20
1,1-Dichloropropene	5.00	4.85	4.93	97.0	98.6	73.0-125			1.64	20
1,3-Dichloropropane	5.00	4.70	4.79	94.0	95.8	80.0-125			1.90	20
cis-1,3-Dichloropropene	5.00	4.47	4.76	89.4	95.2	76.0-127			6.28	20
trans-1,3-Dichloropropene	5.00	4.25	4.43	85.0	88.6	73.0-127			4.15	20
2,2-Dichloropropane	5.00	4.84	4.75	96.8	95.0	59.0-135			1.88	20
Di-isopropyl ether	5.00	4.51	4.42	90.2	88.4	60.0-136			2.02	20
Ethylbenzene	5.00	4.22	4.23	84.4	84.6	74.0-126			0.237	20
Hexachloro-1,3-butadiene	5.00	4.83	4.75	96.6	95.0	57.0-150			1.67	20
Isopropylbenzene	5.00	4.43	4.44	88.6	88.8	72.0-127			0.225	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3824346-1 08/07/22 22:03 • (LCSD) R3824346-2 08/07/22 22:23

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 %
p-Isopropyltoluene	5.00	4.67	4.84	93.4	96.8	72.0-133			3.58	20
2-Butanone (MEK)	25.0	24.7	25.2	98.8	101	30.0-160			2.00	24
Methylene Chloride	5.00	4.61	4.71	92.2	94.2	68.0-123			2.15	20
4-Methyl-2-pentanone (MIBK)	25.0	21.9	21.7	87.6	86.8	56.0-143			0.917	20
Methyl tert-butyl ether	5.00	4.58	4.48	91.6	89.6	66.0-132			2.21	20
Naphthalene	5.00	4.76	5.02	95.2	100	59.0-130			5.32	20
n-Propylbenzene	5.00	4.44	4.59	88.8	91.8	74.0-126			3.32	20
Styrene	5.00	4.19	4.11	83.8	82.2	72.0-127			1.93	20
1,1,1,2-Tetrachloroethane	5.00	4.00	4.29	80.0	85.8	74.0-129			7.00	20
1,1,2,2-Tetrachloroethane	5.00	4.77	4.72	95.4	94.4	68.0-128			1.05	20
1,1,2-Trichlorotrifluoroethane	5.00	5.66	5.83	113	117	61.0-139			2.96	20
Tetrachloroethene	5.00	4.73	4.99	94.6	99.8	70.0-136			5.35	20
Toluene	5.00	4.43	4.53	88.6	90.6	75.0-121			2.23	20
1,2,3-Trichlorobenzene	5.00	4.93	5.12	98.6	102	59.0-139			3.78	20
1,2,4-Trichlorobenzene	5.00	5.29	5.11	106	102	62.0-137			3.46	20
1,1,1-Trichloroethane	5.00	4.72	4.61	94.4	92.2	69.0-126			2.36	20
1,1,2-Trichloroethane	5.00	4.83	4.56	96.6	91.2	78.0-123			5.75	20
Trichloroethene	5.00	4.32	4.38	86.4	87.6	76.0-126			1.38	20
Trichlorofluoromethane	5.00	4.99	5.07	99.8	101	61.0-142			1.59	20
1,2,3-Trichloropropane	5.00	4.73	4.92	94.6	98.4	67.0-129			3.94	20
1,2,4-Trimethylbenzene	5.00	4.60	4.86	92.0	97.2	70.0-126			5.50	20
1,2,3-Trimethylbenzene	5.00	4.20	4.39	84.0	87.8	74.0-124			4.42	20
1,3,5-Trimethylbenzene	5.00	4.82	5.00	96.4	100	73.0-127			3.67	20
Vinyl chloride	5.00	4.43	4.21	88.6	84.2	63.0-134			5.09	20
Xylenes, Total	15.0	13.0	13.0	86.7	86.7	72.0-127			0.000	20
Ethyl ether	5.00	4.27	4.23	85.4	84.6	64.0-137			0.941	20
Tetrahydrofuran	5.00	4.39	4.15	87.8	83.0	37.0-146			5.62	24
Iodomethane	25.0	21.5	21.2	86.0	84.8	74.0-134			1.41	20
Allyl chloride	25.0	21.5	21.6	86.0	86.4	70.0-131			0.464	20
trans-1,4-Dichloro-2-butene	5.00	5.31	5.55	106	111	45.0-143			4.42	20
(S) Toluene-d8				99.1	98.9	75.0-131				
(S) 4-Bromofluorobenzene				96.8	96.6	67.0-138				
(S) 1,2-Dichloroethane-d4				104	103	70.0-130				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1521519-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1521519-04 08/08/22 00:41 • (MS) R3824346-4 08/08/22 06:31 • (MSD) R3824346-5 08/08/22 06:50

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 %
Acetone	25.0	2.08	28.8	U	107	0.000	1	10.0-160		J3 J6	200	40
Acrylonitrile	25.0	U	24.4	28.6	97.6	114	1	10.0-160			15.8	40
Benzene	5.00	0.396	4.63	4.92	84.7	90.5	1	10.0-149			6.07	37
Bromobenzene	5.00	U	4.85	4.97	97.0	99.4	1	10.0-156			2.44	38
Bromodichloromethane	5.00	U	5.13	5.42	103	108	1	10.0-143			5.50	37
Bromoform	5.00	U	4.02	4.46	80.4	89.2	1	10.0-146			10.4	36
Bromomethane	5.00	U	3.11	3.24	62.2	64.8	1	10.0-149			4.09	38
n-Butylbenzene	5.00	U	5.02	5.33	100	107	1	10.0-160			5.99	40
sec-Butylbenzene	5.00	U	5.41	5.53	108	111	1	10.0-159			2.19	39
tert-Butylbenzene	5.00	U	5.08	5.20	102	104	1	10.0-156			2.33	39
Carbon tetrachloride	5.00	U	6.03	5.94	121	119	1	10.0-145			1.50	37
Chlorobenzene	5.00	0.0360	4.16	4.32	82.5	85.7	1	10.0-152			3.77	39
Chlorodibromomethane	5.00	U	4.44	4.44	88.8	88.8	1	10.0-146			0.000	37
Chloroethane	5.00	U	3.67	3.59	73.4	71.8	1	10.0-146			2.20	40
Chloroform	5.00	0.297	5.12	5.29	96.5	99.9	1	10.0-146			3.27	37
Chloromethane	5.00	U	2.58	2.63	51.6	52.6	1	10.0-159			1.92	37
2-Chlorotoluene	5.00	U	4.90	5.26	98.0	105	1	10.0-159			7.09	38
4-Chlorotoluene	5.00	U	4.76	4.73	95.2	94.6	1	10.0-155			0.632	39
1,2-Dibromo-3-Chloropropane	5.00	U	4.65	4.70	93.0	94.0	1	10.0-151			1.07	39
1,2-Dibromoethane	5.00	U	4.09	4.46	81.8	89.2	1	10.0-148			8.65	34
Dibromomethane	5.00	U	4.79	4.93	95.8	98.6	1	10.0-147			2.88	35
1,2-Dichlorobenzene	5.00	U	4.94	5.00	98.8	100	1	10.0-155			1.21	37
1,3-Dichlorobenzene	5.00	U	4.72	4.71	94.4	94.2	1	10.0-153			0.212	38
1,4-Dichlorobenzene	5.00	U	4.64	4.60	92.8	92.0	1	10.0-151			0.866	38
Dichlorodifluoromethane	5.00	U	4.69	4.95	93.8	99.0	1	10.0-160			5.39	35
1,1-Dichloroethane	5.00	4.26	9.08	8.84	96.4	91.6	1	10.0-147			2.68	37
1,2-Dichloroethane	5.00	U	4.45	4.67	89.0	93.4	1	10.0-148			4.82	35
1,1-Dichloroethene	5.00	0.105	4.38	4.60	85.5	89.9	1	10.0-155			4.90	37
cis-1,2-Dichloroethene	5.00	25.9	31.7	31.6	116	114	1	10.0-149			0.316	37
trans-1,2-Dichloroethene	5.00	0.121	3.68	3.74	71.2	72.4	1	10.0-150			1.62	37
1,2-Dichloropropane	5.00	U	4.72	4.83	94.4	96.6	1	10.0-148			2.30	37
1,1-Dichloropropene	5.00	U	4.41	4.58	88.2	91.6	1	10.0-153			3.78	35
1,3-Dichloropropane	5.00	U	4.47	4.86	89.4	97.2	1	10.0-154			8.36	35
cis-1,3-Dichloropropene	5.00	U	4.43	4.55	88.6	91.0	1	10.0-151			2.67	37
trans-1,3-Dichloropropene	5.00	U	4.30	4.43	86.0	88.6	1	10.0-148			2.98	37
2,2-Dichloropropane	5.00	U	5.38	5.50	108	110	1	10.0-138			2.21	36
Di-isopropyl ether	5.00	U	4.54	4.75	90.8	95.0	1	10.0-147			4.52	36
Ethylbenzene	5.00	U	4.09	4.29	81.8	85.8	1	10.0-160			4.77	38
Hexachloro-1,3-butadiene	5.00	U	5.22	5.58	104	112	1	10.0-160			6.67	40
Isopropylbenzene	5.00	U	4.61	4.89	92.2	97.8	1	10.0-155			5.89	38

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1521519-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1521519-04 08/08/22 00:41 • (MS) R3824346-4 08/08/22 06:31 • (MSD) R3824346-5 08/08/22 06:50

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 %
p-Isopropyltoluene	5.00	U	4.88	5.04	97.6	101	1	10.0-160			3.23	40
2-Butanone (MEK)	25.0	U	23.7	25.0	94.8	100	1	10.0-160			5.34	40
Methylene Chloride	5.00	U	4.43	4.57	88.6	91.4	1	10.0-141			3.11	37
4-Methyl-2-pentanone (MIBK)	25.0	U	21.7	23.3	86.8	93.2	1	10.0-160			7.11	35
Methyl tert-butyl ether	5.00	U	4.87	5.09	97.4	102	1	11.0-147			4.42	35
Naphthalene	5.00	U	5.25	5.51	105	110	1	10.0-160			4.83	36
n-Propylbenzene	5.00	U	4.42	4.50	88.4	90.0	1	10.0-158			1.79	38
Styrene	5.00	U	4.02	4.39	80.4	87.8	1	10.0-160			8.80	40
1,1,1,2-Tetrachloroethane	5.00	U	4.45	4.58	89.0	91.6	1	10.0-149			2.88	39
1,1,2,2-Tetrachloroethane	5.00	0.0800	5.20	5.47	102	108	1	10.0-160			5.06	35
1,1,2-Trichlorotrifluoroethane	5.00	U	6.19	6.44	124	129	1	10.0-160			3.96	36
Tetrachloroethene	5.00	2.50	6.91	6.78	88.2	85.6	1	10.0-156			1.90	39
Toluene	5.00	U	4.15	4.23	83.0	84.6	1	10.0-156			1.91	38
1,2,3-Trichlorobenzene	5.00	U	5.30	5.61	106	112	1	10.0-160			5.68	40
1,2,4-Trichlorobenzene	5.00	U	5.24	5.77	105	115	1	10.0-160			9.63	40
1,1,1-Trichloroethane	5.00	2.87	8.38	8.45	110	112	1	10.0-144			0.832	35
1,1,2-Trichloroethane	5.00	0.0550	4.92	5.13	97.3	102	1	10.0-160			4.18	35
Trichloroethene	5.00	19.6	23.5	23.1	78.0	70.0	1	10.0-156			1.72	38
Trichlorofluoromethane	5.00	U	5.29	5.25	106	105	1	10.0-160			0.759	40
1,2,3-Trichloropropane	5.00	U	4.73	4.66	94.6	93.2	1	10.0-156			1.49	35
1,2,4-Trimethylbenzene	5.00	U	4.76	4.76	95.2	95.2	1	10.0-160			0.000	36
1,2,3-Trimethylbenzene	5.00	U	4.38	4.43	87.6	88.6	1	10.0-160			1.14	36
1,3,5-Trimethylbenzene	5.00	U	4.67	4.91	93.4	98.2	1	10.0-160			5.01	38
Vinyl chloride	5.00	U	3.56	3.74	71.2	74.8	1	10.0-160			4.93	37
Xylenes, Total	15.0	U	12.6	13.1	84.0	87.3	1	10.0-160			3.89	38
Ethyl ether	5.00	U	4.19	4.31	83.8	86.2	1	10.0-160			2.82	31
Tetrahydrofuran	5.00	U	3.79	5.94	75.8	119	1	10.0-158		J3	44.2	33
Iodomethane	25.0	U	18.1	18.5	72.4	74.0	1	10.0-160			2.19	38
Allyl chloride	25.0	U	20.1	20.3	80.4	81.2	1	10.0-160			0.990	30
trans-1,4-Dichloro-2-butene	5.00	U	4.07	4.12	81.4	82.4	1	10.0-152			1.22	36
(S) Toluene-d8					96.5	95.9		75.0-131				
(S) 4-Bromofluorobenzene					94.2	95.2		67.0-138				
(S) 1,2-Dichloroethane-d4					109	109		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

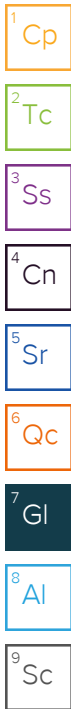
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.



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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

Analysis / Container / Preservative
 Pres Chk

Chain of Custody Page 1 of 1



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/hubfs/pas-standard-terms.pdf>

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State Collected: **SEATTLE, WA**
 Please Circle: PT MT CT ET

Phone: **206-529-3980**

Client Project #
1413.001.10.701 TASK

Lab Project #
PESENVSWA-ALP

Collected by (print):
Natalie Wisdom

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):
Natalie Wisdom

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 X

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK 125mlHDPE-NoPres	CHLORIDE,NITRATE 125mlHDPE-NoPres	FEG,MNG 250mlHDPE-HNO3	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl
HMW-9IB-080122	Grab	GW		8/1/22	1211	7	X	X		X	X	X	X	X
MW-348-080122	↓	GW		↓	1405	7	X	X		X	X	X	X	X
MW-349-080122	↓	GW		↓	1416	7	X	X		X	X	X	X	X
		GW												
		GW												
		GW												
		GW												
		GW												
		GW												

SDG # **L1520789**
F179

Acctnum: **PESENVSWA**
 Template: **T213317**
 Prelogin: **P939358**
 PM: **546 - Jared Starkey**
 PB:

Shipped Via:
 Remarks | Sample # (lab only)

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via:
 ___ UPS ___ FedEx ___ Courier
 Tracking # **5829 4697 9880**

Sample Receipt Checklist

COC Seal Present/Intact:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
COC Signed/Accurate:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
Bottles arrive intact:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
Correct bottles used:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
Sufficient volume sent:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
If Applicable				
VOA Zero Headspace:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
Preservation Correct/Checked:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/>	Y	<input type="checkbox"/>	N

Relinquished by: (Signature)
Natalie Wisdom

Date: **8/1/22**
 Time: **16:03**

Received by: (Signature)

Trip Blank Received: Yes (No)
 HCL / MeOH
 TBR

Relinquished by: (Signature)

Date:

Received by: (Signature)

Temp **mmHg**
0.870 = 0.8 21

If preservation required by Login: Date/Time

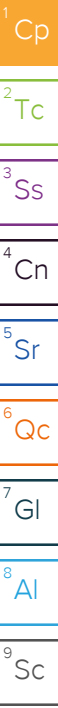
Relinquished by: (Signature)

Date:

Received for lab by: (Signature)
Paul

Date: **8/2/22**
 Time: **1300**

Hold: Condition: **NCF / OK**



PES Environmental, Inc.- WA

Sample Delivery Group: L1521388
Samples Received: 08/03/2022
Project Number: 1413.001.10.701 TASK
Description: American Linen

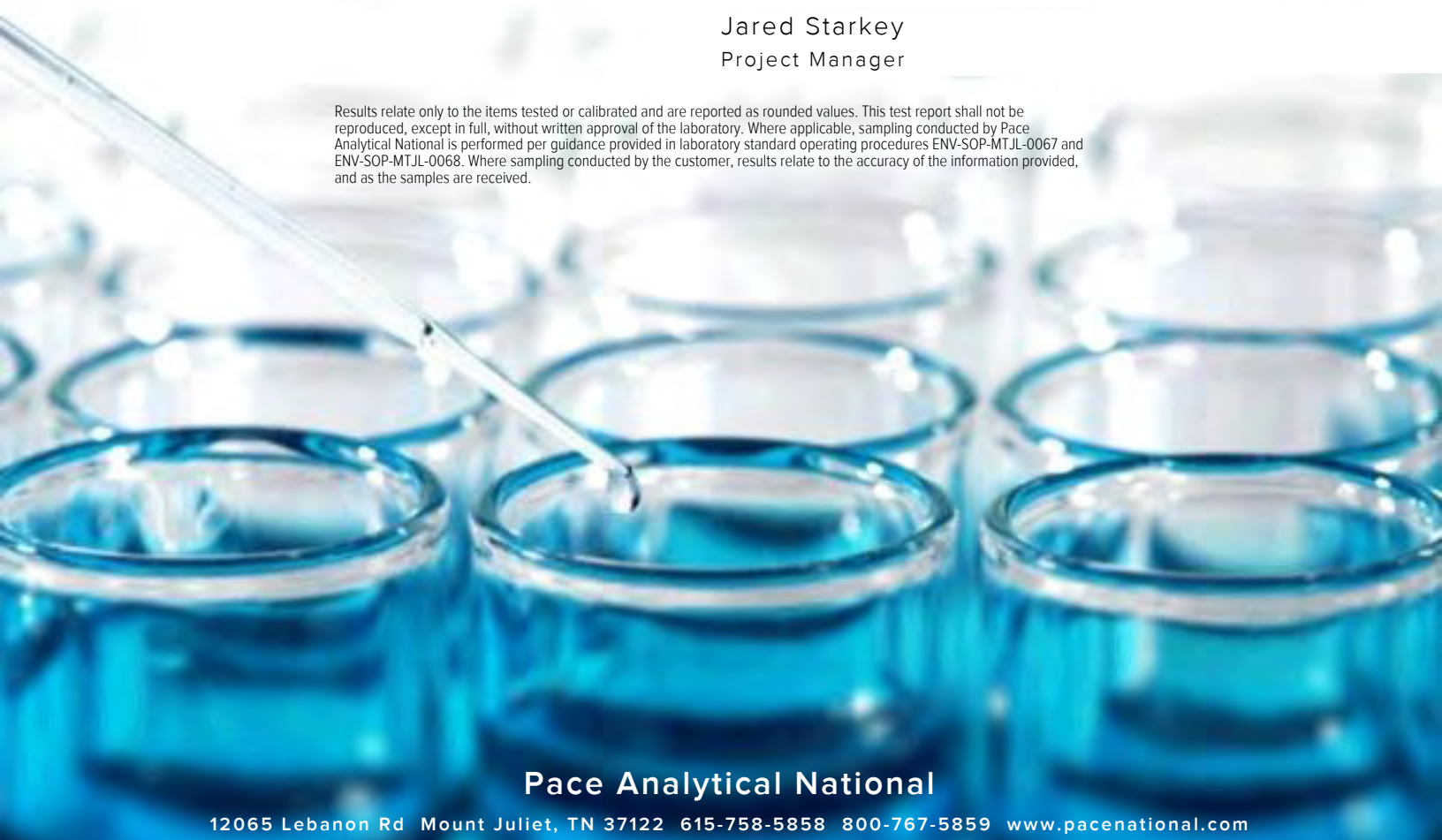
Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:



Jared Starkey
Project Manager

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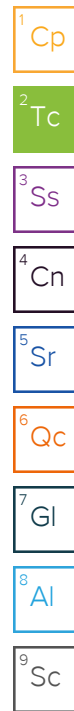


Pace Analytical National

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

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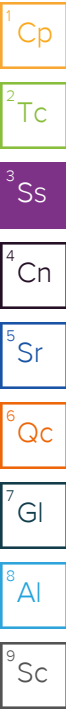


SAMPLE SUMMARY

MW-346-080222 L1521388-01 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/02/22 10:38
 Received date/time: 08/03/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1905248	1	08/03/22 21:30	08/03/22 21:30	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911494	1	08/19/22 06:29	08/19/22 06:29	SJF	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1908140	1	08/10/22 10:34	08/10/22 10:34	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907098	1	08/08/22 02:57	08/08/22 02:57	DWR	Mt. Juliet, TN



MW106-080222 L1521388-02 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/02/22 14:02
 Received date/time: 08/03/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1905248	1	08/04/22 02:13	08/04/22 02:13	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1910049	1	08/23/22 19:44	08/23/22 19:44	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1905938	5	08/08/22 17:55	08/10/22 10:16	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1908140	1	08/10/22 10:38	08/10/22 10:38	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907098	1	08/08/22 03:16	08/08/22 03:16	DWR	Mt. Juliet, TN

MW-347-080222 L1521388-03 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/02/22 10:03
 Received date/time: 08/03/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1905248	1	08/03/22 21:44	08/03/22 21:44	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1910049	1	08/23/22 20:35	08/23/22 20:35	LOH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1905430	1	08/05/22 11:41	08/05/22 11:41	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907098	10	08/08/22 06:11	08/08/22 06:11	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1908196	1	08/10/22 00:48	08/10/22 00:48	ADM	Mt. Juliet, TN

MW-154-080222 L1521388-04 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/02/22 12:40
 Received date/time: 08/03/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1905248	1	08/04/22 03:27	08/04/22 03:27	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1910049	1	08/23/22 20:51	08/23/22 20:51	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1905938	1	08/08/22 17:55	08/09/22 15:57	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1908140	1	08/10/22 10:42	08/10/22 10:42	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907098	1	08/08/22 03:36	08/08/22 03:36	DWR	Mt. Juliet, TN

MW-153-080222 L1521388-05 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/02/22 15:04
 Received date/time: 08/03/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1905248	1	08/04/22 03:42	08/04/22 03:42	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1910049	1	08/23/22 21:07	08/23/22 21:07	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1905938	10	08/08/22 17:55	08/10/22 10:19	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1908140	1	08/10/22 10:46	08/10/22 10:46	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907098	1	08/08/22 03:55	08/08/22 03:55	DWR	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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	34100		379	1000	1	08/03/2022 21:30	WG1905248
Nitrate	U		48.0	100	1	08/03/2022 21:30	WG1905248
Sulfate	83600		594	5000	1	08/03/2022 21:30	WG1905248

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)	1610	<u>B</u>	102	1000	1	08/19/2022 06:29	WG1911494

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	116		0.287	0.678	1	08/10/2022 10:34	WG1908140
Ethane	0.563	<u>J</u>	0.296	1.29	1	08/10/2022 10:34	WG1908140
Ethene	2.34		0.422	1.27	1	08/10/2022 10:34	WG1908140

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	5.30		0.548	1.00	1	08/08/2022 02:57	WG1907098
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 02:57	WG1907098
Benzene	0.0940		0.0160	0.0400	1	08/08/2022 02:57	WG1907098
Bromobenzene	U		0.0420	0.500	1	08/08/2022 02:57	WG1907098
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 02:57	WG1907098
Bromoform	U	<u>C3</u>	0.239	1.00	1	08/08/2022 02:57	WG1907098
Bromomethane	U	<u>C3</u>	0.148	0.500	1	08/08/2022 02:57	WG1907098
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 02:57	WG1907098
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 02:57	WG1907098
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 02:57	WG1907098
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 02:57	WG1907098
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 02:57	WG1907098
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 02:57	WG1907098
Chloroethane	U		0.0432	0.200	1	08/08/2022 02:57	WG1907098
Chloroform	U		0.0166	0.100	1	08/08/2022 02:57	WG1907098
Chloromethane	U	<u>C3</u>	0.0556	0.500	1	08/08/2022 02:57	WG1907098
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 02:57	WG1907098
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 02:57	WG1907098
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	08/08/2022 02:57	WG1907098
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 02:57	WG1907098
Dibromomethane	U		0.0400	0.200	1	08/08/2022 02:57	WG1907098
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 02:57	WG1907098
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 02:57	WG1907098
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 02:57	WG1907098
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 02:57	WG1907098
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 02:57	WG1907098
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 02:57	WG1907098
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 02:57	WG1907098
cis-1,2-Dichloroethene	3.42		0.0276	0.100	1	08/08/2022 02:57	WG1907098
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2022 02:57	WG1907098
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 02:57	WG1907098
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2022 02:57	WG1907098
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 02:57	WG1907098
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 02:57	WG1907098
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 02:57	WG1907098

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
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 02:57	WG1907098
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 02:57	WG1907098
Ethylbenzene	0.168		0.0212	0.100	1	08/08/2022 02:57	WG1907098
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 02:57	WG1907098
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 02:57	WG1907098
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 02:57	WG1907098
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2022 02:57	WG1907098
Methylene Chloride	U		0.265	1.00	1	08/08/2022 02:57	WG1907098
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 02:57	WG1907098
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 02:57	WG1907098
Naphthalene	U		0.124	0.500	1	08/08/2022 02:57	WG1907098
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 02:57	WG1907098
Styrene	U		0.109	0.500	1	08/08/2022 02:57	WG1907098
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 02:57	WG1907098
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 02:57	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 02:57	WG1907098
Tetrachloroethene	U		0.0280	0.100	1	08/08/2022 02:57	WG1907098
Toluene	2.17		0.0500	0.200	1	08/08/2022 02:57	WG1907098
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 02:57	WG1907098
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 02:57	WG1907098
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 02:57	WG1907098
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 02:57	WG1907098
Trichloroethene	0.498		0.0160	0.0400	1	08/08/2022 02:57	WG1907098
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 02:57	WG1907098
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 02:57	WG1907098
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 02:57	WG1907098
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 02:57	WG1907098
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 02:57	WG1907098
Vinyl chloride	2.47		0.0273	0.100	1	08/08/2022 02:57	WG1907098
Xylenes, Total	0.825		0.191	0.260	1	08/08/2022 02:57	WG1907098
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 02:57	WG1907098
Tetrahydrofuran	15.7		0.0900	0.500	1	08/08/2022 02:57	WG1907098
Iodomethane	U		0.242	0.500	1	08/08/2022 02:57	WG1907098
Allyl chloride	U		0.580	1.00	1	08/08/2022 02:57	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 02:57	WG1907098
(S) Toluene-d8	100			75.0-131		08/08/2022 02:57	WG1907098
(S) 4-Bromofluorobenzene	96.5			67.0-138		08/08/2022 02:57	WG1907098
(S) 1,2-Dichloroethane-d4	101			70.0-130		08/08/2022 02:57	WG1907098

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	Batch
Sulfate	9670		594	5000	1	08/04/2022 02:13	WG1905248

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	5730		102	1000	1	08/23/2022 19:44	WG1910049

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	4450		140	500	5	08/10/2022 10:16	WG1905938
Manganese	707		3.52	25.0	5	08/10/2022 10:16	WG1905938

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	87.0		0.287	0.678	1	08/10/2022 10:38	WG1908140
Ethane	U		0.296	1.29	1	08/10/2022 10:38	WG1908140
Ethene	0.652	J	0.422	1.27	1	08/10/2022 10:38	WG1908140

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	4.61		0.548	1.00	1	08/08/2022 03:16	WG1907098
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 03:16	WG1907098
Benzene	0.0440		0.0160	0.0400	1	08/08/2022 03:16	WG1907098
Bromobenzene	U		0.0420	0.500	1	08/08/2022 03:16	WG1907098
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 03:16	WG1907098
Bromoform	U	C3	0.239	1.00	1	08/08/2022 03:16	WG1907098
Bromomethane	U	C3	0.148	0.500	1	08/08/2022 03:16	WG1907098
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 03:16	WG1907098
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 03:16	WG1907098
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 03:16	WG1907098
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 03:16	WG1907098
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 03:16	WG1907098
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 03:16	WG1907098
Chloroethane	U		0.0432	0.200	1	08/08/2022 03:16	WG1907098
Chloroform	U		0.0166	0.100	1	08/08/2022 03:16	WG1907098
Chloromethane	U	C3	0.0556	0.500	1	08/08/2022 03:16	WG1907098
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 03:16	WG1907098
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 03:16	WG1907098
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	08/08/2022 03:16	WG1907098
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 03:16	WG1907098
Dibromomethane	U		0.0400	0.200	1	08/08/2022 03:16	WG1907098
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 03:16	WG1907098
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 03:16	WG1907098
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 03:16	WG1907098
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 03:16	WG1907098
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 03:16	WG1907098
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 03:16	WG1907098
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 03:16	WG1907098
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/08/2022 03:16	WG1907098
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2022 03:16	WG1907098
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 03:16	WG1907098

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
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2022 03:16	WG1907098
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 03:16	WG1907098
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 03:16	WG1907098
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 03:16	WG1907098
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 03:16	WG1907098
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 03:16	WG1907098
Ethylbenzene	0.144		0.0212	0.100	1	08/08/2022 03:16	WG1907098
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 03:16	WG1907098
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 03:16	WG1907098
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 03:16	WG1907098
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2022 03:16	WG1907098
Methylene Chloride	U		0.265	1.00	1	08/08/2022 03:16	WG1907098
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 03:16	WG1907098
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 03:16	WG1907098
Naphthalene	U		0.124	0.500	1	08/08/2022 03:16	WG1907098
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 03:16	WG1907098
Styrene	U		0.109	0.500	1	08/08/2022 03:16	WG1907098
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 03:16	WG1907098
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 03:16	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 03:16	WG1907098
Tetrachloroethene	U		0.0280	0.100	1	08/08/2022 03:16	WG1907098
Toluene	1.36		0.0500	0.200	1	08/08/2022 03:16	WG1907098
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 03:16	WG1907098
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 03:16	WG1907098
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 03:16	WG1907098
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 03:16	WG1907098
Trichloroethene	U		0.0160	0.0400	1	08/08/2022 03:16	WG1907098
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 03:16	WG1907098
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 03:16	WG1907098
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 03:16	WG1907098
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 03:16	WG1907098
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 03:16	WG1907098
Vinyl chloride	U		0.0273	0.100	1	08/08/2022 03:16	WG1907098
Xylenes, Total	0.735		0.191	0.260	1	08/08/2022 03:16	WG1907098
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 03:16	WG1907098
Tetrahydrofuran	U		0.0900	0.500	1	08/08/2022 03:16	WG1907098
Iodomethane	U		0.242	0.500	1	08/08/2022 03:16	WG1907098
Allyl chloride	U		0.580	1.00	1	08/08/2022 03:16	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 03:16	WG1907098
(S) Toluene-d8	101			75.0-131		08/08/2022 03:16	WG1907098
(S) 4-Bromofluorobenzene	98.9			67.0-138		08/08/2022 03:16	WG1907098
(S) 1,2-Dichloroethane-d4	102			70.0-130		08/08/2022 03:16	WG1907098

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	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	33700		379	1000	1	08/03/2022 21:44	WG1905248
Nitrate	108		48.0	100	1	08/03/2022 21:44	WG1905248
Sulfate	5450		594	5000	1	08/03/2022 21:44	WG1905248

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)	21200		102	1000	1	08/23/2022 20:35	WG1910049

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2320		0.287	0.678	1	08/05/2022 11:41	WG1905430
Ethane	2.38		0.296	1.29	1	08/05/2022 11:41	WG1905430
Ethene	12.1		0.422	1.27	1	08/05/2022 11:41	WG1905430

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	31.7		0.548	1.00	1	08/10/2022 00:48	WG1908196
Acrylonitrile	U		0.0760	0.500	1	08/10/2022 00:48	WG1908196
Benzene	0.0290	J	0.0160	0.0400	1	08/10/2022 00:48	WG1908196
Bromobenzene	U		0.0420	0.500	1	08/10/2022 00:48	WG1908196
Bromodichloromethane	U		0.0315	0.100	1	08/10/2022 00:48	WG1908196
Bromoform	U		0.239	1.00	1	08/10/2022 00:48	WG1908196
Bromomethane	U		0.148	0.500	1	08/10/2022 00:48	WG1908196
n-Butylbenzene	U		0.153	0.500	1	08/10/2022 00:48	WG1908196
sec-Butylbenzene	U		0.101	0.500	1	08/10/2022 00:48	WG1908196
tert-Butylbenzene	U		0.0620	0.200	1	08/10/2022 00:48	WG1908196
Carbon tetrachloride	U		0.0432	0.200	1	08/10/2022 00:48	WG1908196
Chlorobenzene	U		0.0229	0.100	1	08/10/2022 00:48	WG1908196
Chlorodibromomethane	U		0.0180	0.100	1	08/10/2022 00:48	WG1908196
Chloroethane	U		0.0432	0.200	1	08/10/2022 00:48	WG1908196
Chloroform	U		0.0166	0.100	1	08/10/2022 00:48	WG1908196
Chloromethane	U		0.0556	0.500	1	08/10/2022 00:48	WG1908196
2-Chlorotoluene	U		0.0368	0.100	1	08/10/2022 00:48	WG1908196
4-Chlorotoluene	U		0.0452	0.200	1	08/10/2022 00:48	WG1908196
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/10/2022 00:48	WG1908196
1,2-Dibromoethane	U		0.0210	0.100	1	08/10/2022 00:48	WG1908196
Dibromomethane	U		0.0400	0.200	1	08/10/2022 00:48	WG1908196
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/10/2022 00:48	WG1908196
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/10/2022 00:48	WG1908196
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/10/2022 00:48	WG1908196
Dichlorodifluoromethane	U		0.0327	0.100	1	08/10/2022 00:48	WG1908196
1,1-Dichloroethane	U		0.0230	0.100	1	08/10/2022 00:48	WG1908196
1,2-Dichloroethane	U		0.0190	0.100	1	08/10/2022 00:48	WG1908196
1,1-Dichloroethene	0.105		0.0200	0.100	1	08/10/2022 00:48	WG1908196
cis-1,2-Dichloroethene	30.6		0.0276	0.100	1	08/10/2022 00:48	WG1908196
trans-1,2-Dichloroethene	0.219		0.0572	0.200	1	08/10/2022 00:48	WG1908196
1,2-Dichloropropane	U		0.0508	0.200	1	08/10/2022 00:48	WG1908196
1,1-Dichloropropene	U		0.0280	0.100	1	08/10/2022 00:48	WG1908196
1,3-Dichloropropane	U		0.0700	0.200	1	08/10/2022 00:48	WG1908196
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/10/2022 00:48	WG1908196
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/10/2022 00:48	WG1908196

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
2,2-Dichloropropane	U		0.0317	0.100	1	08/10/2022 00:48	WG1908196
Di-isopropyl ether	U		0.0140	0.0400	1	08/10/2022 00:48	WG1908196
Ethylbenzene	0.0770	U	0.0212	0.100	1	08/10/2022 00:48	WG1908196
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/10/2022 00:48	WG1908196
Isopropylbenzene	U		0.0345	0.100	1	08/10/2022 00:48	WG1908196
p-Isopropyltoluene	U		0.0932	0.200	1	08/10/2022 00:48	WG1908196
2-Butanone (MEK)	121		0.500	1.00	1	08/10/2022 00:48	WG1908196
Methylene Chloride	U		0.265	1.00	1	08/10/2022 00:48	WG1908196
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/10/2022 00:48	WG1908196
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/10/2022 00:48	WG1908196
Naphthalene	U		0.124	0.500	1	08/10/2022 00:48	WG1908196
n-Propylbenzene	U		0.0472	0.200	1	08/10/2022 00:48	WG1908196
Styrene	U		0.109	0.500	1	08/10/2022 00:48	WG1908196
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/10/2022 00:48	WG1908196
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/10/2022 00:48	WG1908196
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/10/2022 00:48	WG1908196
Tetrachloroethene	U		0.0280	0.100	1	08/10/2022 00:48	WG1908196
Toluene	0.497		0.0500	0.200	1	08/10/2022 00:48	WG1908196
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/10/2022 00:48	WG1908196
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/10/2022 00:48	WG1908196
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/10/2022 00:48	WG1908196
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/10/2022 00:48	WG1908196
Trichloroethene	U		0.0160	0.0400	1	08/10/2022 00:48	WG1908196
Trichlorofluoromethane	U		0.0200	0.100	1	08/10/2022 00:48	WG1908196
1,2,3-Trichloropropane	U		0.204	0.500	1	08/10/2022 00:48	WG1908196
1,2,4-Trimethylbenzene	0.148	U	0.0464	0.200	1	08/10/2022 00:48	WG1908196
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/10/2022 00:48	WG1908196
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/10/2022 00:48	WG1908196
Vinyl chloride	58.3		0.0273	0.100	1	08/10/2022 00:48	WG1908196
Xylenes, Total	0.636		0.191	0.260	1	08/10/2022 00:48	WG1908196
Ethyl Ether	U		0.0170	0.100	1	08/10/2022 00:48	WG1908196
Tetrahydrofuran	127		0.900	5.00	10	08/08/2022 06:11	WG1907098
Iodomethane	U		0.242	0.500	1	08/10/2022 00:48	WG1908196
Allyl chloride	U		0.580	1.00	1	08/10/2022 00:48	WG1908196
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/10/2022 00:48	WG1908196
(S) Toluene-d8	101			75.0-131		08/08/2022 06:11	WG1907098
(S) Toluene-d8	111			75.0-131		08/10/2022 00:48	WG1908196
(S) 4-Bromofluorobenzene	101			67.0-138		08/08/2022 06:11	WG1907098
(S) 4-Bromofluorobenzene	102			67.0-138		08/10/2022 00:48	WG1908196
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/08/2022 06:11	WG1907098
(S) 1,2-Dichloroethane-d4	88.3			70.0-130		08/10/2022 00:48	WG1908196

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	56600		594	5000	1	08/04/2022 03:27	WG1905248

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)	1430	<u>B</u>	102	1000	1	08/23/2022 20:51	WG1910049

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	336		28.1	100	1	08/09/2022 15:57	WG1905938
Manganese	31.9		0.704	5.00	1	08/09/2022 15:57	WG1905938

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	08/10/2022 10:42	WG1908140
Ethane	U		0.296	1.29	1	08/10/2022 10:42	WG1908140
Ethene	U		0.422	1.27	1	08/10/2022 10:42	WG1908140

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	5.79		0.548	1.00	1	08/08/2022 03:36	WG1907098
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 03:36	WG1907098
Benzene	U		0.0160	0.0400	1	08/08/2022 03:36	WG1907098
Bromobenzene	U		0.0420	0.500	1	08/08/2022 03:36	WG1907098
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 03:36	WG1907098
Bromoform	U	<u>C3</u>	0.239	1.00	1	08/08/2022 03:36	WG1907098
Bromomethane	U	<u>C3</u>	0.148	0.500	1	08/08/2022 03:36	WG1907098
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 03:36	WG1907098
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 03:36	WG1907098
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 03:36	WG1907098
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 03:36	WG1907098
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 03:36	WG1907098
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 03:36	WG1907098
Chloroethane	U		0.0432	0.200	1	08/08/2022 03:36	WG1907098
Chloroform	0.0720	<u>J</u>	0.0166	0.100	1	08/08/2022 03:36	WG1907098
Chloromethane	U	<u>C3</u>	0.0556	0.500	1	08/08/2022 03:36	WG1907098
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 03:36	WG1907098
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 03:36	WG1907098
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	08/08/2022 03:36	WG1907098
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 03:36	WG1907098
Dibromomethane	U		0.0400	0.200	1	08/08/2022 03:36	WG1907098
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 03:36	WG1907098
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 03:36	WG1907098
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 03:36	WG1907098
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 03:36	WG1907098
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 03:36	WG1907098
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 03:36	WG1907098
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 03:36	WG1907098
cis-1,2-Dichloroethene	0.318		0.0276	0.100	1	08/08/2022 03:36	WG1907098
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2022 03:36	WG1907098
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 03:36	WG1907098



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	08/08/2022 03:36	WG1907098
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 03:36	WG1907098
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 03:36	WG1907098
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 03:36	WG1907098
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 03:36	WG1907098
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 03:36	WG1907098
Ethylbenzene	U		0.0212	0.100	1	08/08/2022 03:36	WG1907098
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 03:36	WG1907098
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 03:36	WG1907098
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 03:36	WG1907098
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2022 03:36	WG1907098
Methylene Chloride	U		0.265	1.00	1	08/08/2022 03:36	WG1907098
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 03:36	WG1907098
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 03:36	WG1907098
Naphthalene	U		0.124	0.500	1	08/08/2022 03:36	WG1907098
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 03:36	WG1907098
Styrene	U		0.109	0.500	1	08/08/2022 03:36	WG1907098
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 03:36	WG1907098
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 03:36	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 03:36	WG1907098
Tetrachloroethene	29.7		0.0280	0.100	1	08/08/2022 03:36	WG1907098
Toluene	0.265		0.0500	0.200	1	08/08/2022 03:36	WG1907098
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 03:36	WG1907098
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 03:36	WG1907098
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 03:36	WG1907098
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 03:36	WG1907098
Trichloroethene	2.08		0.0160	0.0400	1	08/08/2022 03:36	WG1907098
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 03:36	WG1907098
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 03:36	WG1907098
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 03:36	WG1907098
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 03:36	WG1907098
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 03:36	WG1907098
Vinyl chloride	U		0.0273	0.100	1	08/08/2022 03:36	WG1907098
Xylenes, Total	0.255	U	0.191	0.260	1	08/08/2022 03:36	WG1907098
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 03:36	WG1907098
Tetrahydrofuran	U		0.0900	0.500	1	08/08/2022 03:36	WG1907098
Iodomethane	U		0.242	0.500	1	08/08/2022 03:36	WG1907098
Allyl chloride	U		0.580	1.00	1	08/08/2022 03:36	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 03:36	WG1907098
(S) Toluene-d8	101			75.0-131		08/08/2022 03:36	WG1907098
(S) 4-Bromofluorobenzene	99.0			67.0-138		08/08/2022 03:36	WG1907098
(S) 1,2-Dichloroethane-d4	102			70.0-130		08/08/2022 03:36	WG1907098

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	7620		594	5000	1	08/04/2022 03:42	WG1905248

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)	1090	<u>B</u>	102	1000	1	08/23/2022 21:07	WG1910049

Metals (ICPMS) by Method 6020B

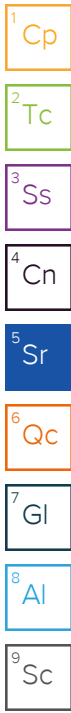
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	11400		281	1000	10	08/10/2022 10:19	WG1905938
Manganese	836		7.04	50.0	10	08/10/2022 10:19	WG1905938

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	65.6		0.287	0.678	1	08/10/2022 10:46	WG1908140
Ethane	0.639	<u>J</u>	0.296	1.29	1	08/10/2022 10:46	WG1908140
Ethene	2.46		0.422	1.27	1	08/10/2022 10:46	WG1908140

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	3.50		0.548	1.00	1	08/08/2022 03:55	WG1907098
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 03:55	WG1907098
Benzene	0.0300	<u>J</u>	0.0160	0.0400	1	08/08/2022 03:55	WG1907098
Bromobenzene	U		0.0420	0.500	1	08/08/2022 03:55	WG1907098
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 03:55	WG1907098
Bromoform	U	<u>C3</u>	0.239	1.00	1	08/08/2022 03:55	WG1907098
Bromomethane	U	<u>C3</u>	0.148	0.500	1	08/08/2022 03:55	WG1907098
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 03:55	WG1907098
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 03:55	WG1907098
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 03:55	WG1907098
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 03:55	WG1907098
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 03:55	WG1907098
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 03:55	WG1907098
Chloroethane	U		0.0432	0.200	1	08/08/2022 03:55	WG1907098
Chloroform	U		0.0166	0.100	1	08/08/2022 03:55	WG1907098
Chloromethane	U	<u>C3</u>	0.0556	0.500	1	08/08/2022 03:55	WG1907098
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 03:55	WG1907098
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 03:55	WG1907098
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	08/08/2022 03:55	WG1907098
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 03:55	WG1907098
Dibromomethane	U		0.0400	0.200	1	08/08/2022 03:55	WG1907098
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 03:55	WG1907098
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 03:55	WG1907098
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 03:55	WG1907098
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 03:55	WG1907098
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 03:55	WG1907098
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 03:55	WG1907098
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 03:55	WG1907098
cis-1,2-Dichloroethene	0.122		0.0276	0.100	1	08/08/2022 03:55	WG1907098
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2022 03:55	WG1907098
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 03:55	WG1907098



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	08/08/2022 03:55	WG1907098
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 03:55	WG1907098
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 03:55	WG1907098
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 03:55	WG1907098
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 03:55	WG1907098
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 03:55	WG1907098
Ethylbenzene	0.120		0.0212	0.100	1	08/08/2022 03:55	WG1907098
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 03:55	WG1907098
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 03:55	WG1907098
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 03:55	WG1907098
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2022 03:55	WG1907098
Methylene Chloride	U		0.265	1.00	1	08/08/2022 03:55	WG1907098
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 03:55	WG1907098
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 03:55	WG1907098
Naphthalene	U		0.124	0.500	1	08/08/2022 03:55	WG1907098
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 03:55	WG1907098
Styrene	U		0.109	0.500	1	08/08/2022 03:55	WG1907098
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 03:55	WG1907098
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 03:55	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 03:55	WG1907098
Tetrachloroethene	U		0.0280	0.100	1	08/08/2022 03:55	WG1907098
Toluene	1.13		0.0500	0.200	1	08/08/2022 03:55	WG1907098
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 03:55	WG1907098
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 03:55	WG1907098
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 03:55	WG1907098
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 03:55	WG1907098
Trichloroethene	U		0.0160	0.0400	1	08/08/2022 03:55	WG1907098
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 03:55	WG1907098
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 03:55	WG1907098
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 03:55	WG1907098
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 03:55	WG1907098
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 03:55	WG1907098
Vinyl chloride	0.501		0.0273	0.100	1	08/08/2022 03:55	WG1907098
Xylenes, Total	0.532		0.191	0.260	1	08/08/2022 03:55	WG1907098
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 03:55	WG1907098
Tetrahydrofuran	0.299	U	0.0900	0.500	1	08/08/2022 03:55	WG1907098
Iodomethane	U		0.242	0.500	1	08/08/2022 03:55	WG1907098
Allyl chloride	U		0.580	1.00	1	08/08/2022 03:55	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 03:55	WG1907098
(S) Toluene-d8	102			75.0-131		08/08/2022 03:55	WG1907098
(S) 4-Bromofluorobenzene	99.3			67.0-138		08/08/2022 03:55	WG1907098
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/08/2022 03:55	WG1907098

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3822702-1 08/03/22 17:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	U		379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1521394-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1521394-01 08/03/22 21:59 • (DUP) R3822702-3 08/03/22 22:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	27900	28000	1	0.188		15
Nitrate	829	841	1	1.38		15
Sulfate	43000	43300	1	0.511		15

L1521388-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1521388-02 08/04/22 02:13 • (DUP) R3822702-6 08/04/22 02:57

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	13600	12700	1	6.14		15
Nitrate	86.3	99.8	1	14.5	U	15
Sulfate	9670	9820	1	1.55		15

Laboratory Control Sample (LCS)

(LCS) R3822702-2 08/03/22 17:51

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40000	40200	100	80.0-120	
Nitrate	8000	7860	98.3	80.0-120	
Sulfate	40000	39800	99.4	80.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1521394-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1521394-01 08/03/22 21:59 • (MS) R3822702-4 08/03/22 22:29 • (MSD) R3822702-5 08/03/22 22:44

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 %
Chloride	50000	27900	76200	76400	96.6	96.9	1	80.0-120			0.246	15
Nitrate	5000	829	5620	5640	95.9	96.2	1	80.0-120			0.279	15
Sulfate	50000	43000	90300	90600	94.5	95.0	1	80.0-120			0.269	15

L1521388-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1521388-02 08/04/22 02:13 • (MS) R3822702-7 08/04/22 03:12

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	13600	63500	99.9	1	80.0-120	
Nitrate	5000	86.3	5020	98.7	1	80.0-120	
Sulfate	50000	9670	60300	101	1	80.0-120	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3829962-2 08/23/22 11:18

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	249	↓	102	1000

¹Cp

²Tc

³Ss

L1519699-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1519699-11 08/23/22 13:59 • (DUP) R3829962-3 08/23/22 14:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	17100	17100	1	0.351		20

⁴Cn

⁵Sr

Laboratory Control Sample (LCS)

(LCS) R3829962-1 08/23/22 11:02

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	75000	73300	97.8	85.0-115	

⁶Qc

⁷Gl

⁸Al

L1521274-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1521274-01 08/23/22 16:57 • (MS) R3829962-4 08/23/22 17:55 • (MSD) R3829962-5 08/23/22 18:19

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	50000	3420	59300	59300	112	112	1	80.0-120			0.000	20

⁹Sc

L1521368-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1521368-04 08/23/22 18:56 • (MS) R3829962-6 08/23/22 19:12 • (MSD) R3829962-7 08/23/22 19:28

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	50000	1320	55400	59200	108	116	1	80.0-120			6.70	20

Method Blank (MB)

(MB) R3828463-2 08/19/22 05:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	377	↓	102	1000

Method Blank (MB)

(MB) R3828465-2 08/16/22 17:47

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	288	↓	102	1000

L1520361-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1520361-03 08/16/22 23:18 • (DUP) R3828465-3 08/16/22 23:47

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	73200	76500	1	4.45		20

L1520361-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1520361-04 08/17/22 00:08 • (DUP) R3828465-4 08/17/22 00:29

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	11500	11600	1	0.608		20

Laboratory Control Sample (LCS)

(LCS) R3828463-1 08/19/22 05:39

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	75000	72800	97.1	85.0-115	

Laboratory Control Sample (LCS)

(LCS) R3828465-1 08/16/22 17:33

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	75000	76200	102	85.0-115	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1521643-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1521643-03 08/19/22 07:33 • (MS) R3828463-3 08/19/22 07:57 • (MSD) R3828463-4 08/19/22 08:22

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 %
TOC	50000	608	55900	55800	111	110	1	80.0-120			0.0716	20

L1521643-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1521643-04 08/19/22 08:38 • (MS) R3828463-5 08/19/22 09:41 • (MSD) R3828463-6 08/19/22 10:05

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 %
TOC	50000	1090	55600	56900	109	112	1	80.0-120			2.31	20

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

Method Blank (MB)

(MB) R3824126-1 08/09/22 10:10

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3824126-2 08/09/22 10:14

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	4980	99.7	80.0-120	
Manganese	50.0	49.1	98.2	80.0-120	

L1521199-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1521199-05 08/09/22 10:17 • (MS) R3824126-4 08/09/22 10:23 • (MSD) R3824126-5 08/09/22 10:27

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	2650	7250	7270	91.9	92.3	1	75.0-125			0.233	20
Manganese	50.0	1300	1320	1330	53.9	63.3	1	75.0-125	<u>V</u>	<u>V</u>	0.354	20

Method Blank (MB)

(MB) R3823098-2 08/05/22 10:24

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

L1521199-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1521199-03 08/05/22 11:23 • (DUP) R3823098-3 08/05/22 11:44

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

L1521757-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1521757-04 08/05/22 12:39 • (DUP) R3823098-4 08/05/22 12:44

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
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) R3823098-1 08/05/22 10:21 • (LCSD) R3823098-5 08/05/22 12:48

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	73.6	69.1	109	102	85.0-115			6.31	20
Ethane	129	119	119	92.2	92.2	85.0-115			0.000	20
Ethene	127	119	119	93.7	93.7	85.0-115			0.000	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3824612-2 08/10/22 09:44

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

L1522618-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1522618-07 08/10/22 11:15 • (DUP) R3824612-3 08/10/22 11:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	111	110	1	0.905		20
Ethane	1.06	1.05	1	200	U	20
Ethene	U	U	1	0.000		20

L1523328-04 Original Sample (OS) • Duplicate (DUP)

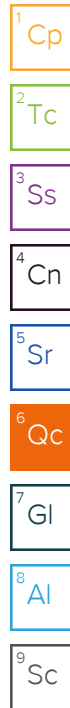
(OS) L1523328-04 08/10/22 12:18 • (DUP) R3824612-4 08/10/22 12:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
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) R3824612-1 08/10/22 09:38 • (LCSD) R3824612-7 08/10/22 12:33

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	70.2	66.6	104	98.2	85.0-115			5.26	20
Ethane	129	123	116	95.3	89.9	85.0-115			5.86	20
Ethene	127	124	117	97.6	92.1	85.0-115			5.81	20



L1522831-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1522831-01 08/10/22 11:44 • (MS) R3824612-5 08/10/22 12:26 • (MSD) R3824612-6 08/10/22 12:29

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 %
Methane	67.8	U	70.8	70.8	104	104	1	85.0-115			0.000	20
Ethane	129	U	113	118	87.6	91.5	1	85.0-115			4.33	20
Ethene	127	U	113	118	89.0	92.9	1	85.0-115			4.33	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3824346-3 08/07/22 23:41

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3824346-3 08/07/22 23:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	102			75.0-131
(S) 4-Bromofluorobenzene	96.1			67.0-138
(S) 1,2-Dichloroethane-d4	97.1			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3824346-1 08/07/22 22:03 • (LCSD) R3824346-2 08/07/22 22:23

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 %
Acetone	25.0	26.0	23.4	104	93.6	10.0-160			10.5	31
Acrylonitrile	25.0	23.0	22.4	92.0	89.6	45.0-153			2.64	22
Benzene	5.00	4.43	4.56	88.6	91.2	70.0-123			2.89	20
Bromobenzene	5.00	4.81	5.15	96.2	103	73.0-121			6.83	20
Bromodichloromethane	5.00	4.76	4.83	95.2	96.6	73.0-121			1.46	20
Bromoform	5.00	3.83	3.80	76.6	76.0	64.0-132			0.786	20
Bromomethane	5.00	3.98	3.99	79.6	79.8	56.0-147			0.251	20
n-Butylbenzene	5.00	4.99	4.95	99.8	99.0	68.0-135			0.805	20
sec-Butylbenzene	5.00	5.03	5.47	101	109	74.0-130			8.38	20
tert-Butylbenzene	5.00	4.91	5.19	98.2	104	75.0-127			5.54	20
Carbon tetrachloride	5.00	5.04	5.06	101	101	66.0-128			0.396	20
Chlorobenzene	5.00	4.37	4.36	87.4	87.2	76.0-128			0.229	20
Chlorodibromomethane	5.00	4.03	4.20	80.6	84.0	74.0-127			4.13	20
Chloroethane	5.00	4.16	4.19	83.2	83.8	61.0-134			0.719	20
Chloroform	5.00	4.53	4.67	90.6	93.4	72.0-123			3.04	20
Chloromethane	5.00	3.62	3.58	72.4	71.6	51.0-138			1.11	20
2-Chlorotoluene	5.00	4.95	5.21	99.0	104	75.0-124			5.12	20
4-Chlorotoluene	5.00	4.68	4.90	93.6	98.0	75.0-124			4.59	20
1,2-Dibromo-3-Chloropropane	5.00	3.76	3.86	75.2	77.2	59.0-130			2.62	20
1,2-Dibromoethane	5.00	4.29	4.66	85.8	93.2	74.0-128			8.27	20
Dibromomethane	5.00	4.77	4.68	95.4	93.6	75.0-122			1.90	20
1,2-Dichlorobenzene	5.00	4.58	4.78	91.6	95.6	76.0-124			4.27	20
1,3-Dichlorobenzene	5.00	4.70	4.73	94.0	94.6	76.0-125			0.636	20
1,4-Dichlorobenzene	5.00	4.34	4.70	86.8	94.0	77.0-121			7.96	20
Dichlorodifluoromethane	5.00	4.53	4.70	90.6	94.0	43.0-156			3.68	20
1,1-Dichloroethane	5.00	4.46	4.39	89.2	87.8	70.0-127			1.58	20
1,2-Dichloroethane	5.00	4.41	4.46	88.2	89.2	65.0-131			1.13	20
1,1-Dichloroethene	5.00	4.91	4.91	98.2	98.2	65.0-131			0.000	20
cis-1,2-Dichloroethene	5.00	4.55	4.62	91.0	92.4	73.0-125			1.53	20
trans-1,2-Dichloroethene	5.00	4.46	4.21	89.2	84.2	71.0-125			5.77	20
1,2-Dichloropropane	5.00	4.63	4.75	92.6	95.0	74.0-125			2.56	20
1,1-Dichloropropene	5.00	4.85	4.93	97.0	98.6	73.0-125			1.64	20
1,3-Dichloropropane	5.00	4.70	4.79	94.0	95.8	80.0-125			1.90	20
cis-1,3-Dichloropropene	5.00	4.47	4.76	89.4	95.2	76.0-127			6.28	20
trans-1,3-Dichloropropene	5.00	4.25	4.43	85.0	88.6	73.0-127			4.15	20
2,2-Dichloropropane	5.00	4.84	4.75	96.8	95.0	59.0-135			1.88	20
Di-isopropyl ether	5.00	4.51	4.42	90.2	88.4	60.0-136			2.02	20
Ethylbenzene	5.00	4.22	4.23	84.4	84.6	74.0-126			0.237	20
Hexachloro-1,3-butadiene	5.00	4.83	4.75	96.6	95.0	57.0-150			1.67	20
Isopropylbenzene	5.00	4.43	4.44	88.6	88.8	72.0-127			0.225	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3824346-1 08/07/22 22:03 • (LCSD) R3824346-2 08/07/22 22:23

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 %
p-Isopropyltoluene	5.00	4.67	4.84	93.4	96.8	72.0-133			3.58	20
2-Butanone (MEK)	25.0	24.7	25.2	98.8	101	30.0-160			2.00	24
Methylene Chloride	5.00	4.61	4.71	92.2	94.2	68.0-123			2.15	20
4-Methyl-2-pentanone (MIBK)	25.0	21.9	21.7	87.6	86.8	56.0-143			0.917	20
Methyl tert-butyl ether	5.00	4.58	4.48	91.6	89.6	66.0-132			2.21	20
Naphthalene	5.00	4.76	5.02	95.2	100	59.0-130			5.32	20
n-Propylbenzene	5.00	4.44	4.59	88.8	91.8	74.0-126			3.32	20
Styrene	5.00	4.19	4.11	83.8	82.2	72.0-127			1.93	20
1,1,1,2-Tetrachloroethane	5.00	4.00	4.29	80.0	85.8	74.0-129			7.00	20
1,1,2,2-Tetrachloroethane	5.00	4.77	4.72	95.4	94.4	68.0-128			1.05	20
1,1,2-Trichlorotrifluoroethane	5.00	5.66	5.83	113	117	61.0-139			2.96	20
Tetrachloroethene	5.00	4.73	4.99	94.6	99.8	70.0-136			5.35	20
Toluene	5.00	4.43	4.53	88.6	90.6	75.0-121			2.23	20
1,2,3-Trichlorobenzene	5.00	4.93	5.12	98.6	102	59.0-139			3.78	20
1,2,4-Trichlorobenzene	5.00	5.29	5.11	106	102	62.0-137			3.46	20
1,1,1-Trichloroethane	5.00	4.72	4.61	94.4	92.2	69.0-126			2.36	20
1,1,2-Trichloroethane	5.00	4.83	4.56	96.6	91.2	78.0-123			5.75	20
Trichloroethene	5.00	4.32	4.38	86.4	87.6	76.0-126			1.38	20
Trichlorofluoromethane	5.00	4.99	5.07	99.8	101	61.0-142			1.59	20
1,2,3-Trichloropropane	5.00	4.73	4.92	94.6	98.4	67.0-129			3.94	20
1,2,4-Trimethylbenzene	5.00	4.60	4.86	92.0	97.2	70.0-126			5.50	20
1,2,3-Trimethylbenzene	5.00	4.20	4.39	84.0	87.8	74.0-124			4.42	20
1,3,5-Trimethylbenzene	5.00	4.82	5.00	96.4	100	73.0-127			3.67	20
Vinyl chloride	5.00	4.43	4.21	88.6	84.2	63.0-134			5.09	20
Xylenes, Total	15.0	13.0	13.0	86.7	86.7	72.0-127			0.000	20
Ethyl ether	5.00	4.27	4.23	85.4	84.6	64.0-137			0.941	20
Tetrahydrofuran	5.00	4.39	4.15	87.8	83.0	37.0-146			5.62	24
Iodomethane	25.0	21.5	21.2	86.0	84.8	74.0-134			1.41	20
Allyl chloride	25.0	21.5	21.6	86.0	86.4	70.0-131			0.464	20
trans-1,4-Dichloro-2-butene	5.00	5.31	5.55	106	111	45.0-143			4.42	20
(S) Toluene-d8				99.1	98.9	75.0-131				
(S) 4-Bromofluorobenzene				96.8	96.6	67.0-138				
(S) 1,2-Dichloroethane-d4				104	103	70.0-130				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1521519-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1521519-04 08/08/22 00:41 • (MS) R3824346-4 08/08/22 06:31 • (MSD) R3824346-5 08/08/22 06:50

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 %
Acetone	25.0	2.08	28.8	U	107	0.000	1	10.0-160		J3 J6	200	40
Acrylonitrile	25.0	U	24.4	28.6	97.6	114	1	10.0-160			15.8	40
Benzene	5.00	0.396	4.63	4.92	84.7	90.5	1	10.0-149			6.07	37
Bromobenzene	5.00	U	4.85	4.97	97.0	99.4	1	10.0-156			2.44	38
Bromodichloromethane	5.00	U	5.13	5.42	103	108	1	10.0-143			5.50	37
Bromoform	5.00	U	4.02	4.46	80.4	89.2	1	10.0-146			10.4	36
Bromomethane	5.00	U	3.11	3.24	62.2	64.8	1	10.0-149			4.09	38
n-Butylbenzene	5.00	U	5.02	5.33	100	107	1	10.0-160			5.99	40
sec-Butylbenzene	5.00	U	5.41	5.53	108	111	1	10.0-159			2.19	39
tert-Butylbenzene	5.00	U	5.08	5.20	102	104	1	10.0-156			2.33	39
Carbon tetrachloride	5.00	U	6.03	5.94	121	119	1	10.0-145			1.50	37
Chlorobenzene	5.00	0.0360	4.16	4.32	82.5	85.7	1	10.0-152			3.77	39
Chlorodibromomethane	5.00	U	4.44	4.44	88.8	88.8	1	10.0-146			0.000	37
Chloroethane	5.00	U	3.67	3.59	73.4	71.8	1	10.0-146			2.20	40
Chloroform	5.00	0.297	5.12	5.29	96.5	99.9	1	10.0-146			3.27	37
Chloromethane	5.00	U	2.58	2.63	51.6	52.6	1	10.0-159			1.92	37
2-Chlorotoluene	5.00	U	4.90	5.26	98.0	105	1	10.0-159			7.09	38
4-Chlorotoluene	5.00	U	4.76	4.73	95.2	94.6	1	10.0-155			0.632	39
1,2-Dibromo-3-Chloropropane	5.00	U	4.65	4.70	93.0	94.0	1	10.0-151			1.07	39
1,2-Dibromoethane	5.00	U	4.09	4.46	81.8	89.2	1	10.0-148			8.65	34
Dibromomethane	5.00	U	4.79	4.93	95.8	98.6	1	10.0-147			2.88	35
1,2-Dichlorobenzene	5.00	U	4.94	5.00	98.8	100	1	10.0-155			1.21	37
1,3-Dichlorobenzene	5.00	U	4.72	4.71	94.4	94.2	1	10.0-153			0.212	38
1,4-Dichlorobenzene	5.00	U	4.64	4.60	92.8	92.0	1	10.0-151			0.866	38
Dichlorodifluoromethane	5.00	U	4.69	4.95	93.8	99.0	1	10.0-160			5.39	35
1,1-Dichloroethane	5.00	4.26	9.08	8.84	96.4	91.6	1	10.0-147			2.68	37
1,2-Dichloroethane	5.00	U	4.45	4.67	89.0	93.4	1	10.0-148			4.82	35
1,1-Dichloroethene	5.00	0.105	4.38	4.60	85.5	89.9	1	10.0-155			4.90	37
cis-1,2-Dichloroethene	5.00	25.9	31.7	31.6	116	114	1	10.0-149			0.316	37
trans-1,2-Dichloroethene	5.00	0.121	3.68	3.74	71.2	72.4	1	10.0-150			1.62	37
1,2-Dichloropropane	5.00	U	4.72	4.83	94.4	96.6	1	10.0-148			2.30	37
1,1-Dichloropropene	5.00	U	4.41	4.58	88.2	91.6	1	10.0-153			3.78	35
1,3-Dichloropropane	5.00	U	4.47	4.86	89.4	97.2	1	10.0-154			8.36	35
cis-1,3-Dichloropropene	5.00	U	4.43	4.55	88.6	91.0	1	10.0-151			2.67	37
trans-1,3-Dichloropropene	5.00	U	4.30	4.43	86.0	88.6	1	10.0-148			2.98	37
2,2-Dichloropropane	5.00	U	5.38	5.50	108	110	1	10.0-138			2.21	36
Di-isopropyl ether	5.00	U	4.54	4.75	90.8	95.0	1	10.0-147			4.52	36
Ethylbenzene	5.00	U	4.09	4.29	81.8	85.8	1	10.0-160			4.77	38
Hexachloro-1,3-butadiene	5.00	U	5.22	5.58	104	112	1	10.0-160			6.67	40
Isopropylbenzene	5.00	U	4.61	4.89	92.2	97.8	1	10.0-155			5.89	38

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1521519-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1521519-04 08/08/22 00:41 • (MS) R3824346-4 08/08/22 06:31 • (MSD) R3824346-5 08/08/22 06:50

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 %
p-Isopropyltoluene	5.00	U	4.88	5.04	97.6	101	1	10.0-160			3.23	40
2-Butanone (MEK)	25.0	U	23.7	25.0	94.8	100	1	10.0-160			5.34	40
Methylene Chloride	5.00	U	4.43	4.57	88.6	91.4	1	10.0-141			3.11	37
4-Methyl-2-pentanone (MIBK)	25.0	U	21.7	23.3	86.8	93.2	1	10.0-160			7.11	35
Methyl tert-butyl ether	5.00	U	4.87	5.09	97.4	102	1	11.0-147			4.42	35
Naphthalene	5.00	U	5.25	5.51	105	110	1	10.0-160			4.83	36
n-Propylbenzene	5.00	U	4.42	4.50	88.4	90.0	1	10.0-158			1.79	38
Styrene	5.00	U	4.02	4.39	80.4	87.8	1	10.0-160			8.80	40
1,1,1,2-Tetrachloroethane	5.00	U	4.45	4.58	89.0	91.6	1	10.0-149			2.88	39
1,1,2,2-Tetrachloroethane	5.00	0.0800	5.20	5.47	102	108	1	10.0-160			5.06	35
1,1,2-Trichlorotrifluoroethane	5.00	U	6.19	6.44	124	129	1	10.0-160			3.96	36
Tetrachloroethene	5.00	2.50	6.91	6.78	88.2	85.6	1	10.0-156			1.90	39
Toluene	5.00	U	4.15	4.23	83.0	84.6	1	10.0-156			1.91	38
1,2,3-Trichlorobenzene	5.00	U	5.30	5.61	106	112	1	10.0-160			5.68	40
1,2,4-Trichlorobenzene	5.00	U	5.24	5.77	105	115	1	10.0-160			9.63	40
1,1,1-Trichloroethane	5.00	2.87	8.38	8.45	110	112	1	10.0-144			0.832	35
1,1,2-Trichloroethane	5.00	0.0550	4.92	5.13	97.3	102	1	10.0-160			4.18	35
Trichloroethene	5.00	19.6	23.5	23.1	78.0	70.0	1	10.0-156			1.72	38
Trichlorofluoromethane	5.00	U	5.29	5.25	106	105	1	10.0-160			0.759	40
1,2,3-Trichloropropane	5.00	U	4.73	4.66	94.6	93.2	1	10.0-156			1.49	35
1,2,4-Trimethylbenzene	5.00	U	4.76	4.76	95.2	95.2	1	10.0-160			0.000	36
1,2,3-Trimethylbenzene	5.00	U	4.38	4.43	87.6	88.6	1	10.0-160			1.14	36
1,3,5-Trimethylbenzene	5.00	U	4.67	4.91	93.4	98.2	1	10.0-160			5.01	38
Vinyl chloride	5.00	U	3.56	3.74	71.2	74.8	1	10.0-160			4.93	37
Xylenes, Total	15.0	U	12.6	13.1	84.0	87.3	1	10.0-160			3.89	38
Ethyl ether	5.00	U	4.19	4.31	83.8	86.2	1	10.0-160			2.82	31
Tetrahydrofuran	5.00	U	3.79	5.94	75.8	119	1	10.0-158		J3	44.2	33
Iodomethane	25.0	U	18.1	18.5	72.4	74.0	1	10.0-160			2.19	38
Allyl chloride	25.0	U	20.1	20.3	80.4	81.2	1	10.0-160			0.990	30
trans-1,4-Dichloro-2-butene	5.00	U	4.07	4.12	81.4	82.4	1	10.0-152			1.22	36
(S) Toluene-d8					96.5	95.9		75.0-131				
(S) 4-Bromofluorobenzene					94.2	95.2		67.0-138				
(S) 1,2-Dichloroethane-d4					109	109		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3824471-3 08/09/22 23:12

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3824471-3 08/09/22 23:12

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	110			75.0-131
(S) 4-Bromofluorobenzene	101			67.0-138
(S) 1,2-Dichloroethane-d4	86.1			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3824471-1 08/09/22 21:58 • (LCSD) R3824471-2 08/09/22 22:17

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 %
Acetone	25.0	27.1	26.0	108	104	10.0-160			4.14	31
Acrylonitrile	25.0	21.9	23.7	87.6	94.8	45.0-153			7.89	22
Benzene	5.00	5.14	4.83	103	96.6	70.0-123			6.22	20
Bromobenzene	5.00	5.39	5.32	108	106	73.0-121			1.31	20
Bromodichloromethane	5.00	4.73	4.37	94.6	87.4	73.0-121			7.91	20
Bromoform	5.00	4.60	4.59	92.0	91.8	64.0-132			0.218	20
Bromomethane	5.00	4.36	4.15	87.2	83.0	56.0-147			4.94	20
n-Butylbenzene	5.00	5.45	5.21	109	104	68.0-135			4.50	20
sec-Butylbenzene	5.00	6.08	5.86	122	117	74.0-130			3.69	20
tert-Butylbenzene	5.00	5.45	5.23	109	105	75.0-127			4.12	20
Carbon tetrachloride	5.00	4.85	4.52	97.0	90.4	66.0-128			7.04	20
Chlorobenzene	5.00	5.55	5.35	111	107	76.0-128			3.67	20
Chlorodibromomethane	5.00	4.75	4.28	95.0	85.6	74.0-127			10.4	20
Chloroethane	5.00	4.74	4.50	94.8	90.0	61.0-134			5.19	20
Chloroform	5.00	4.75	4.61	95.0	92.2	72.0-123			2.99	20
Chloromethane	5.00	4.59	4.39	91.8	87.8	51.0-138			4.45	20
2-Chlorotoluene	5.00	5.74	5.70	115	114	75.0-124			0.699	20
4-Chlorotoluene	5.00	5.41	5.15	108	103	75.0-124			4.92	20
1,2-Dibromo-3-Chloropropane	5.00	4.05	4.56	81.0	91.2	59.0-130			11.8	20
1,2-Dibromoethane	5.00	5.46	4.99	109	99.8	74.0-128			9.00	20
Dibromomethane	5.00	4.67	4.71	93.4	94.2	75.0-122			0.853	20
1,2-Dichlorobenzene	5.00	5.67	5.06	113	101	76.0-124			11.4	20
1,3-Dichlorobenzene	5.00	5.75	5.47	115	109	76.0-125			4.99	20
1,4-Dichlorobenzene	5.00	5.36	5.25	107	105	77.0-121			2.07	20
Dichlorodifluoromethane	5.00	4.65	4.70	93.0	94.0	43.0-156			1.07	20
1,1-Dichloroethane	5.00	5.09	4.74	102	94.8	70.0-127			7.12	20
1,2-Dichloroethane	5.00	4.18	4.09	83.6	81.8	65.0-131			2.18	20
1,1-Dichloroethene	5.00	5.44	5.13	109	103	65.0-131			5.87	20
cis-1,2-Dichloroethene	5.00	5.09	4.63	102	92.6	73.0-125			9.47	20
trans-1,2-Dichloroethene	5.00	5.32	4.95	106	99.0	71.0-125			7.21	20
1,2-Dichloropropane	5.00	5.32	4.99	106	99.8	74.0-125			6.40	20
1,1-Dichloropropene	5.00	5.48	4.90	110	98.0	73.0-125			11.2	20
1,3-Dichloropropane	5.00	5.53	5.42	111	108	80.0-125			2.01	20
cis-1,3-Dichloropropene	5.00	5.04	4.96	101	99.2	76.0-127			1.60	20
trans-1,3-Dichloropropene	5.00	5.14	5.10	103	102	73.0-127			0.781	20
2,2-Dichloropropane	5.00	5.09	5.03	102	101	59.0-135			1.19	20
Di-isopropyl ether	5.00	4.82	4.75	96.4	95.0	60.0-136			1.46	20
Ethylbenzene	5.00	5.89	5.32	118	106	74.0-126			10.2	20
Hexachloro-1,3-butadiene	5.00	4.93	4.75	98.6	95.0	57.0-150			3.72	20
Isopropylbenzene	5.00	5.60	5.37	112	107	72.0-127			4.19	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3824471-1 08/09/22 21:58 • (LCSD) R3824471-2 08/09/22 22:17

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 %
p-Isopropyltoluene	5.00	5.64	5.29	113	106	72.0-133			6.40	20
2-Butanone (MEK)	25.0	22.7	23.9	90.8	95.6	30.0-160			5.15	24
Methylene Chloride	5.00	4.93	4.70	98.6	94.0	68.0-123			4.78	20
4-Methyl-2-pentanone (MIBK)	25.0	25.2	24.7	101	98.8	56.0-143			2.00	20
Methyl tert-butyl ether	5.00	4.66	4.70	93.2	94.0	66.0-132			0.855	20
Naphthalene	5.00	4.85	4.93	97.0	98.6	59.0-130			1.64	20
n-Propylbenzene	5.00	5.98	5.66	120	113	74.0-126			5.50	20
Styrene	5.00	5.46	5.22	109	104	72.0-127			4.49	20
1,1,1,2-Tetrachloroethane	5.00	4.95	4.68	99.0	93.6	74.0-129			5.61	20
1,1,2,2-Tetrachloroethane	5.00	5.47	5.14	109	103	68.0-128			6.22	20
1,1,2-Trichlorotrifluoroethane	5.00	5.16	4.84	103	96.8	61.0-139			6.40	20
Tetrachloroethene	5.00	5.61	5.40	112	108	70.0-136			3.81	20
Toluene	5.00	5.49	5.12	110	102	75.0-121			6.97	20
1,2,3-Trichlorobenzene	5.00	5.12	4.96	102	99.2	59.0-139			3.17	20
1,2,4-Trichlorobenzene	5.00	5.33	5.29	107	106	62.0-137			0.753	20
1,1,1-Trichloroethane	5.00	5.10	4.57	102	91.4	69.0-126			11.0	20
1,1,2-Trichloroethane	5.00	5.29	5.38	106	108	78.0-123			1.69	20
Trichloroethene	5.00	5.36	4.88	107	97.6	76.0-126			9.37	20
Trichlorofluoromethane	5.00	5.10	4.88	102	97.6	61.0-142			4.41	20
1,2,3-Trichloropropane	5.00	4.85	4.63	97.0	92.6	67.0-129			4.64	20
1,2,4-Trimethylbenzene	5.00	5.10	4.88	102	97.6	70.0-126			4.41	20
1,2,3-Trimethylbenzene	5.00	5.23	5.18	105	104	74.0-124			0.961	20
1,3,5-Trimethylbenzene	5.00	5.38	5.06	108	101	73.0-127			6.13	20
Vinyl chloride	5.00	5.34	5.13	107	103	63.0-134			4.01	20
Xylenes, Total	15.0	16.7	15.9	111	106	72.0-127			4.91	20
Ethyl ether	5.00	5.44	5.35	109	107	64.0-137			1.67	20
Iodomethane	25.0	24.2	23.0	96.8	92.0	74.0-134			5.08	20
Allyl chloride	25.0	28.9	27.9	116	112	70.0-131			3.52	20
trans-1,4-Dichloro-2-butene	5.00	5.24	5.12	105	102	45.0-143			2.32	20
(S) Toluene-d8				108	108	75.0-131				
(S) 4-Bromofluorobenzene				98.6	99.1	67.0-138				
(S) 1,2-Dichloroethane-d4				89.4	90.6	70.0-130				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

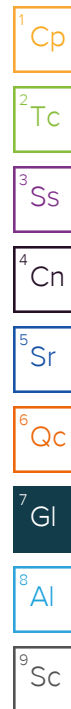
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
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.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

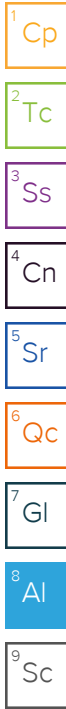
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

Analysis / Container / Preservative



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>

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State Collected: **Seattle, WA** Please Circle: PT MT CT ET

Phone: **206-529-3980**

Client Project #
1413.001.10.701 TASK

Lab Project #
PESENVSWA-ALP

Collected by (print):
Natalie Wisdom

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):
Natalie Wisdom

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

MW-346-080222	Grab	GW		8/2/22	1038	7
MW106-080222	↓	GW		↓	1402	8
MW-347-080222	↓	GW		↓	1003	7
MW-134-080222	↓	GW		↓	1240	8
MW-153-080222	↓	GW		↓	1504	8
		GW				
		GW				
		GW				
		GW				
		GW				

ALK 125mlHDPE-NoPres	CHLORIDE,NITRATE 125mlHDPE-NoPres	FEG,MNG 250mlHDPE-HNO3	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl
	X			X	X	X	X
		X		X	X	X	X
	X			X	X	X	X
		X		X	X	X	X
		X		X	X	X	X

SDG # **L1521388**

Tat **K199**

Acctnum: **PESENVSWA**

Template: **T213317**

Prelogin: **P939358**

PM: **546 - Jared Starkey**

PB:

Shipped Via:

Remarks | Sample # (lab only)

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 ___ UPS ___ FedEx ___ Courier

Tracking # **5829 60697 9950**

Sample Receipt Checklist

COC Seal Present/Intact:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
COC Signed/Accurate:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Bottles arrive intact:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Correct bottles used:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Sufficient volume sent:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
If Applicable		
VOA Zero Headspace:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Preservation Correct/Checked:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N

Relinquished by: (Signature)
Natalie Wisdom

Date: **8/2/22** Time: **1709**

Received by: (Signature)

Trip Blank Received: Yes (No)
 HCl MeOH TBR

Relinquished by: (Signature)

Date: Time:

Received by: (Signature)

Temp: **mmALPC** Bottles Received:
1.7+0=1.7 38

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: Time:

Received for lab by: (Signature)
Shannon McKernan

Date: **8.3.22** Time: **0915**

Hold: Condition: NCF / OK

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



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/hubfs/pas-standard-terms.pdf>

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State Collected: **Seattle, WA** Please Circle: PT MT CT ET

Phone: **206-529-3980**

Client Project #
1413.001.10.701 TASK

Lab Project #
PESENVSWA-ALP

Collected by (print):
Natalie Wisdom

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):
Natalie Wisdom

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

MW-346-080222	Grab	GW		8/2/22	1038	7
MW106-080222	↓	GW		↓	1402	8
MW-347-080222	↓	GW		↓	1003	7
MW-134-080222	↓	GW		↓	1240	8
MW-153-080222	↓	GW		↓	1504	8
		GW				
		GW				
		GW				
		GW				
		GW				

Analysis / Container / Preservative						
ALK 125mlHDPE-NoPres	CHLORIDE,NITRATE 125mlHDPE-NoPres	FEG,MNG 250mlHDPE-HNO3	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl
						V8260ULLC 40mlAmb-HCl

SDG # **L1521388**
K199
 Acctnum: **PESENVSWA**
 Template: **T213317**
 Prelogin: **P939358**
 PM: **546 - Jared Starkey**
 PB:
 Shipped Via:
 Remarks | Sample # (lab only)

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: **Update per SEM 8/10/2022.**

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 ___ UPS ___ FedEx ___ Courier

Tracking # **5829 60697 9950**

Sample Receipt Checklist	
COC Seal Present/Intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
COC Signed/Accurate:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Bottles arrive intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Correct bottles used:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Sufficient volume sent:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
If Applicable	
VOA Zero Headspace:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Preservation Correct/Checked:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Relinquished by: (Signature)
Natalie Wisdom

Date: **8/2/22** Time: **1709**

Received by: (Signature)

Trip Blank Received: Yes (No)
 HCl MeOH TBR

Relinquished by: (Signature)

Date: Time:

Received by: (Signature)

Temp: **mmALPC** Bottles Received:
1.7+0=1.7 **38**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: Time:

Received for lab by: (Signature)
Sharon

Date: **8.3.22** Time: **0915**

Hold: Condition: NCF / OK

PES Environmental, Inc.- WA

Sample Delivery Group: L1522618
Samples Received: 08/06/2022
Project Number: 1413.001.10.701 TASK
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
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 www.pacenational.com

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¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

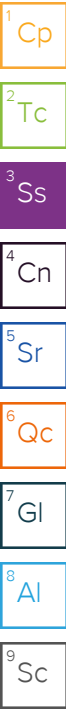
⁹ Sc

SAMPLE SUMMARY

R-MW6-080322 L1522618-01 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/03/22 11:29
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1906732	5	08/06/22 22:38	08/06/22 22:38	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911590	1	08/16/22 23:43	08/16/22 23:43	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1908975	1	08/15/22 11:36	08/16/22 14:15	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1908100	1	08/11/22 10:54	08/11/22 10:54	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909307	10	08/11/22 14:14	08/11/22 14:14	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907098	1	08/08/22 04:15	08/08/22 04:15	DWR	Mt. Juliet, TN



MW107-080322 L1522618-02 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/03/22 13:20
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1908229	1	08/09/22 20:15	08/09/22 20:15	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911590	1	08/17/22 00:02	08/17/22 00:02	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1908975	1	08/15/22 11:36	08/16/22 14:18	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1908100	1	08/11/22 10:59	08/11/22 10:59	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909307	10	08/11/22 14:20	08/11/22 14:20	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907098	1	08/08/22 04:34	08/08/22 04:34	DWR	Mt. Juliet, TN

MW-142-080322 L1522618-03 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/03/22 15:08
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1908229	1	08/09/22 20:51	08/09/22 20:51	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911590	1	08/17/22 00:21	08/17/22 00:21	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1908975	1	08/15/22 11:36	08/16/22 14:21	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1908140	1	08/10/22 10:52	08/10/22 10:52	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909307	10	08/11/22 14:25	08/11/22 14:25	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907098	1	08/08/22 04:54	08/08/22 04:54	DWR	Mt. Juliet, TN

EQ-080322 L1522618-04 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/03/22 15:50
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1906735	1	08/07/22 00:52	08/07/22 00:52	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911590	1	08/17/22 00:37	08/17/22 00:37	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1908975	1	08/15/22 11:36	08/16/22 14:37	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1908140	1	08/10/22 10:58	08/10/22 10:58	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907098	1	08/08/22 05:13	08/08/22 05:13	DWR	Mt. Juliet, TN

MW121-080422 L1522618-05 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/04/22 10:50
 Received date/time: 08/06/22 09:00

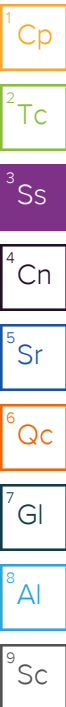
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1907057	5	08/08/22 04:29	08/08/22 04:29	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911817	1	08/30/22 23:51	08/30/22 23:51	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1908975	1	08/15/22 11:36	08/16/22 14:40	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1908785	1	08/10/22 16:02	08/10/22 16:02	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1908140	1	08/10/22 11:02	08/10/22 11:02	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	1	08/08/22 23:58	08/08/22 23:58	JBE	Mt. Juliet, TN

SAMPLE SUMMARY

MW-156-080422 L1522618-06 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/04/22 14:20
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1907057	1	08/07/22 19:50	08/07/22 19:50	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911817	1	08/31/22 00:09	08/31/22 00:09	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1908975	1	08/15/22 11:36	08/16/22 14:44	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1908140	1	08/10/22 11:08	08/10/22 11:08	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909307	10	08/11/22 14:28	08/11/22 14:28	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	20	08/09/22 03:48	08/09/22 03:48	JBE	Mt. Juliet, TN



MW120-080422 L1522618-07 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/04/22 15:50
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1907057	1	08/07/22 21:02	08/07/22 21:02	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911817	1	08/31/22 00:44	08/31/22 00:44	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1908975	1	08/15/22 11:36	08/16/22 13:58	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1908140	1	08/10/22 11:15	08/10/22 11:15	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	1	08/09/22 00:17	08/09/22 00:17	JBE	Mt. Juliet, TN

MW-973-080422 L1522618-08 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/04/22 08:00
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1907057	1	08/07/22 21:20	08/07/22 21:20	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911817	1	08/31/22 01:18	08/31/22 01:18	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1908975	1	08/15/22 11:36	08/16/22 14:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1908785	1	08/10/22 16:24	08/10/22 16:24	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1908140	1	08/10/22 11:25	08/10/22 11:25	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	1	08/09/22 00:37	08/09/22 00:37	JBE	Mt. Juliet, TN

FMW-137-080522 L1522618-09 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/05/22 10:45
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	1	08/09/22 00:56	08/09/22 00:56	JBE	Mt. Juliet, TN

FMW-131-080522 L1522618-10 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/05/22 12:32
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	1	08/09/22 01:15	08/09/22 01:15	JBE	Mt. Juliet, TN

GEI-2-080522 L1522618-11 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/05/22 14:00
 Received date/time: 08/06/22 09:00

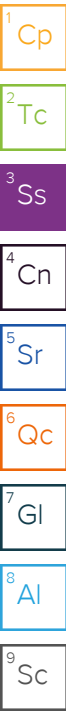
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	1	08/09/22 01:34	08/09/22 01:34	JBE	Mt. Juliet, TN

SAMPLE SUMMARY

MW-146-080322 L1522618-12 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/03/22 10:10
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1907057	1	08/07/22 21:37	08/07/22 21:37	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911590	1	08/17/22 00:53	08/17/22 00:53	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1908976	1	08/15/22 20:17	08/16/22 16:04	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1908140	1	08/10/22 11:29	08/10/22 11:29	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909307	10	08/11/22 14:33	08/11/22 14:33	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	10	08/09/22 04:07	08/09/22 04:07	JBE	Mt. Juliet, TN



MW-155-080322 L1522618-13 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/03/22 12:30
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1907057	1	08/07/22 22:31	08/07/22 22:31	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911590	1	08/17/22 01:09	08/17/22 01:09	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1908976	1	08/15/22 20:17	08/16/22 16:55	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1908140	1	08/10/22 11:36	08/10/22 11:36	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	1	08/09/22 01:53	08/09/22 01:53	JBE	Mt. Juliet, TN

MW-159-080322 L1522618-14 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/03/22 14:20
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1907057	1	08/07/22 22:49	08/07/22 22:49	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911590	1	08/17/22 01:27	08/17/22 01:27	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1908976	1	08/15/22 20:17	08/16/22 16:58	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1908140	1	08/10/22 11:41	08/10/22 11:41	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909307	10	08/11/22 14:37	08/11/22 14:37	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	1	08/09/22 02:12	08/09/22 02:12	JBE	Mt. Juliet, TN

MW-177-080422 L1522618-15 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/04/22 11:55
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	200	08/09/22 04:26	08/09/22 04:26	JBE	Mt. Juliet, TN

MW-180-080422 L1522618-16 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/04/22 12:15
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	25	08/09/22 04:45	08/09/22 04:45	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911561	100	08/18/22 12:28	08/18/22 12:28	DWR	Mt. Juliet, TN

MW-178-080422 L1522618-17 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/04/22 13:05
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	200	08/09/22 05:04	08/09/22 05:04	JBE	Mt. Juliet, TN

SAMPLE SUMMARY

MW-179-080422 L1522618-18 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/04/22 14:10
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	50	08/09/22 05:23	08/09/22 05:23	JBE	Mt. Juliet, TN

1 Cp

2 Tc

MW-188-080522 L1522618-19 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/05/22 10:55
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	1	08/09/22 02:31	08/09/22 02:31	JBE	Mt. Juliet, TN

3 Ss

4 Cn

5 Sr

MW-185-080522 L1522618-20 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/05/22 11:35
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	1	08/09/22 02:50	08/09/22 02:50	JBE	Mt. Juliet, TN

6 Qc

7 Gl

8 Al

MW-187-080522 L1522618-21 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/05/22 12:15
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	1	08/09/22 03:09	08/09/22 03:09	JBE	Mt. Juliet, TN

9 Sc

MW-186-080522 L1522618-22 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/05/22 14:05
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	1	08/09/22 03:28	08/09/22 03:28	JBE	Mt. Juliet, TN

MW-182-080422 L1522618-23 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/04/22 09:58
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	1000	08/09/22 05:42	08/09/22 05:42	JBE	Mt. Juliet, TN

MW-183-080422 L1522618-24 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/04/22 10:32
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1907686	100	08/09/22 06:01	08/09/22 06:01	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911561	500	08/18/22 12:47	08/18/22 12:47	DWR	Mt. Juliet, TN

MW-171-080422 L1522618-25 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/04/22 14:40
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1908799	100	08/12/22 03:15	08/12/22 03:15	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

MW-184-080422 L1522618-26 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/04/22 12:52
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1908799	10	08/12/22 03:34	08/12/22 03:34	ACG	Mt. Juliet, TN

1 Cp

2 Tc

MW-181-080422 L1522618-27 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/04/22 11:29
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1908799	200	08/12/22 03:53	08/12/22 03:53	ACG	Mt. Juliet, TN

3 Ss

4 Cn

5 Sr

MW-165-080522 L1522618-28 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/05/22 13:33
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911828	20	08/18/22 13:06	08/18/22 13:06	JHH	Mt. Juliet, TN

6 Qc

7 Gl

8 Al

MW-170-080522 L1522618-29 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/05/22 14:18
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1908799	250	08/12/22 04:31	08/12/22 04:31	ACG	Mt. Juliet, TN

9 Sc

MW-166-080522 L1522618-30 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/05/22 14:01
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1908799	250	08/12/22 04:50	08/12/22 04:50	ACG	Mt. Juliet, TN

MW-167-080522 L1522618-31 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/05/22 13:18
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1908799	1	08/11/22 23:27	08/11/22 23:27	ACG	Mt. Juliet, TN

MW-169-080522 L1522618-32 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/05/22 12:43
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911828	1	08/18/22 14:38	08/18/22 14:38	JHH	Mt. Juliet, TN

MW-168-080522 L1522618-33 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/05/22 12:12
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1908799	1	08/11/22 23:46	08/11/22 23:46	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911828	25	08/18/22 13:24	08/18/22 13:24	JHH	Mt. Juliet, TN

SAMPLE SUMMARY

MW-172-080522 L1522618-34 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/05/22 11:14
 Received date/time: 08/06/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1908799	50	08/12/22 05:28	08/12/22 05:28	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911828	500	08/18/22 13:43	08/18/22 13:43	JHH	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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	60600		2970	25000	5	08/06/2022 22:38	WG1906732

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)	10200		102	1000	1	08/16/2022 23:43	WG1911590

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	27900		28.1	100	1	08/16/2022 14:15	WG1908975
Manganese	9070		0.704	5.00	1	08/16/2022 14:15	WG1908975

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	10200		2.87	6.78	10	08/11/2022 14:14	WG1909307
Ethane	5.54		0.296	1.29	1	08/11/2022 10:54	WG1908100
Ethene	U		0.422	1.27	1	08/11/2022 10:54	WG1908100

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	7.96		0.548	1.00	1	08/08/2022 04:15	WG1907098
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 04:15	WG1907098
Benzene	0.0680		0.0160	0.0400	1	08/08/2022 04:15	WG1907098
Bromobenzene	U		0.0420	0.500	1	08/08/2022 04:15	WG1907098
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 04:15	WG1907098
Bromoform	U	C3	0.239	1.00	1	08/08/2022 04:15	WG1907098
Bromomethane	U	C3	0.148	0.500	1	08/08/2022 04:15	WG1907098
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 04:15	WG1907098
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 04:15	WG1907098
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 04:15	WG1907098
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 04:15	WG1907098
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 04:15	WG1907098
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 04:15	WG1907098
Chloroethane	U		0.0432	0.200	1	08/08/2022 04:15	WG1907098
Chloroform	U		0.0166	0.100	1	08/08/2022 04:15	WG1907098
Chloromethane	U	C3	0.0556	0.500	1	08/08/2022 04:15	WG1907098
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 04:15	WG1907098
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 04:15	WG1907098
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	08/08/2022 04:15	WG1907098
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 04:15	WG1907098
Dibromomethane	U		0.0400	0.200	1	08/08/2022 04:15	WG1907098
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 04:15	WG1907098
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 04:15	WG1907098
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 04:15	WG1907098
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 04:15	WG1907098
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 04:15	WG1907098
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 04:15	WG1907098
1,1-Dichloroethene	0.0580	J	0.0200	0.100	1	08/08/2022 04:15	WG1907098
cis-1,2-Dichloroethene	7.61		0.0276	0.100	1	08/08/2022 04:15	WG1907098
trans-1,2-Dichloroethene	0.101	J	0.0572	0.200	1	08/08/2022 04:15	WG1907098
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 04:15	WG1907098

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
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2022 04:15	WG1907098
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 04:15	WG1907098
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 04:15	WG1907098
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 04:15	WG1907098
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 04:15	WG1907098
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 04:15	WG1907098
Ethylbenzene	U		0.0212	0.100	1	08/08/2022 04:15	WG1907098
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 04:15	WG1907098
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 04:15	WG1907098
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 04:15	WG1907098
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2022 04:15	WG1907098
Methylene Chloride	U		0.265	1.00	1	08/08/2022 04:15	WG1907098
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 04:15	WG1907098
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 04:15	WG1907098
Naphthalene	U		0.124	0.500	1	08/08/2022 04:15	WG1907098
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 04:15	WG1907098
Styrene	U		0.109	0.500	1	08/08/2022 04:15	WG1907098
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 04:15	WG1907098
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 04:15	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 04:15	WG1907098
Tetrachloroethene	U		0.0280	0.100	1	08/08/2022 04:15	WG1907098
Toluene	U		0.0500	0.200	1	08/08/2022 04:15	WG1907098
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 04:15	WG1907098
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 04:15	WG1907098
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 04:15	WG1907098
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 04:15	WG1907098
Trichloroethene	0.297		0.0160	0.0400	1	08/08/2022 04:15	WG1907098
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 04:15	WG1907098
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 04:15	WG1907098
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 04:15	WG1907098
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 04:15	WG1907098
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 04:15	WG1907098
Vinyl chloride	1.21		0.0273	0.100	1	08/08/2022 04:15	WG1907098
Xylenes, Total	U		0.191	0.260	1	08/08/2022 04:15	WG1907098
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 04:15	WG1907098
Tetrahydrofuran	0.696		0.0900	0.500	1	08/08/2022 04:15	WG1907098
Iodomethane	U		0.242	0.500	1	08/08/2022 04:15	WG1907098
Allyl chloride	U		0.580	1.00	1	08/08/2022 04:15	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 04:15	WG1907098
(S) Toluene-d8	102			75.0-131		08/08/2022 04:15	WG1907098
(S) 4-Bromofluorobenzene	99.9			67.0-138		08/08/2022 04:15	WG1907098
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/08/2022 04:15	WG1907098

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	08/09/2022 20:15	WG1908229

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)	9530		102	1000	1	08/17/2022 00:02	WG1911590

Metals (ICPMS) by Method 6020B

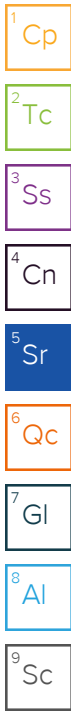
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9830		28.1	100	1	08/16/2022 14:18	WG1908975
Manganese	1490		0.704	5.00	1	08/16/2022 14:18	WG1908975

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	12900		2.87	6.78	10	08/11/2022 14:20	WG1909307
Ethane	111		0.296	1.29	1	08/11/2022 10:59	WG1908100
Ethene	U		0.422	1.27	1	08/11/2022 10:59	WG1908100

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	5.89		0.548	1.00	1	08/08/2022 04:34	WG1907098
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 04:34	WG1907098
Benzene	0.0900		0.0160	0.0400	1	08/08/2022 04:34	WG1907098
Bromobenzene	U		0.0420	0.500	1	08/08/2022 04:34	WG1907098
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 04:34	WG1907098
Bromoform	U	<u>C3</u>	0.239	1.00	1	08/08/2022 04:34	WG1907098
Bromomethane	U	<u>C3</u>	0.148	0.500	1	08/08/2022 04:34	WG1907098
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 04:34	WG1907098
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 04:34	WG1907098
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 04:34	WG1907098
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 04:34	WG1907098
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 04:34	WG1907098
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 04:34	WG1907098
Chloroethane	0.280		0.0432	0.200	1	08/08/2022 04:34	WG1907098
Chloroform	0.0750	<u>J</u>	0.0166	0.100	1	08/08/2022 04:34	WG1907098
Chloromethane	U	<u>C3</u>	0.0556	0.500	1	08/08/2022 04:34	WG1907098
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 04:34	WG1907098
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 04:34	WG1907098
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	08/08/2022 04:34	WG1907098
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 04:34	WG1907098
Dibromomethane	U		0.0400	0.200	1	08/08/2022 04:34	WG1907098
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 04:34	WG1907098
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 04:34	WG1907098
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 04:34	WG1907098
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 04:34	WG1907098
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 04:34	WG1907098
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 04:34	WG1907098
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 04:34	WG1907098
cis-1,2-Dichloroethene	7.05		0.0276	0.100	1	08/08/2022 04:34	WG1907098
trans-1,2-Dichloroethene	3.78		0.0572	0.200	1	08/08/2022 04:34	WG1907098
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 04:34	WG1907098



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	08/08/2022 04:34	WG1907098
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 04:34	WG1907098
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 04:34	WG1907098
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 04:34	WG1907098
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 04:34	WG1907098
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 04:34	WG1907098
Ethylbenzene	U		0.0212	0.100	1	08/08/2022 04:34	WG1907098
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 04:34	WG1907098
Isopropylbenzene	0.0600	U	0.0345	0.100	1	08/08/2022 04:34	WG1907098
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 04:34	WG1907098
2-Butanone (MEK)	2.67		0.500	1.00	1	08/08/2022 04:34	WG1907098
Methylene Chloride	U		0.265	1.00	1	08/08/2022 04:34	WG1907098
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 04:34	WG1907098
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 04:34	WG1907098
Naphthalene	U		0.124	0.500	1	08/08/2022 04:34	WG1907098
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 04:34	WG1907098
Styrene	U		0.109	0.500	1	08/08/2022 04:34	WG1907098
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 04:34	WG1907098
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 04:34	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 04:34	WG1907098
Tetrachloroethene	0.833		0.0280	0.100	1	08/08/2022 04:34	WG1907098
Toluene	0.279		0.0500	0.200	1	08/08/2022 04:34	WG1907098
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 04:34	WG1907098
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 04:34	WG1907098
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 04:34	WG1907098
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 04:34	WG1907098
Trichloroethene	0.799		0.0160	0.0400	1	08/08/2022 04:34	WG1907098
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 04:34	WG1907098
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 04:34	WG1907098
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 04:34	WG1907098
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 04:34	WG1907098
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 04:34	WG1907098
Vinyl chloride	2.34		0.0273	0.100	1	08/08/2022 04:34	WG1907098
Xylenes, Total	U		0.191	0.260	1	08/08/2022 04:34	WG1907098
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 04:34	WG1907098
Tetrahydrofuran	33.4		0.0900	0.500	1	08/08/2022 04:34	WG1907098
Iodomethane	U		0.242	0.500	1	08/08/2022 04:34	WG1907098
Allyl chloride	U		0.580	1.00	1	08/08/2022 04:34	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 04:34	WG1907098
(S) Toluene-d8	99.8			75.0-131		08/08/2022 04:34	WG1907098
(S) 4-Bromofluorobenzene	97.5			67.0-138		08/08/2022 04:34	WG1907098
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/08/2022 04:34	WG1907098

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	11100		594	5000	1	08/09/2022 20:51	WG1908229

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)	11000		102	1000	1	08/17/2022 00:21	WG1911590

Metals (ICPMS) by Method 6020B

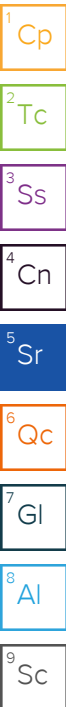
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7720		28.1	100	1	08/16/2022 14:21	WG1908975
Manganese	3790		0.704	5.00	1	08/16/2022 14:21	WG1908975

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	10600		2.87	6.78	10	08/11/2022 14:25	WG1909307
Ethane	17.6		0.296	1.29	1	08/10/2022 10:52	WG1908140
Ethene	1.81		0.422	1.27	1	08/10/2022 10:52	WG1908140

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	2.30		0.548	1.00	1	08/08/2022 04:54	WG1907098
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 04:54	WG1907098
Benzene	0.254		0.0160	0.0400	1	08/08/2022 04:54	WG1907098
Bromobenzene	U		0.0420	0.500	1	08/08/2022 04:54	WG1907098
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 04:54	WG1907098
Bromoform	U	C3	0.239	1.00	1	08/08/2022 04:54	WG1907098
Bromomethane	U	C3	0.148	0.500	1	08/08/2022 04:54	WG1907098
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 04:54	WG1907098
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 04:54	WG1907098
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 04:54	WG1907098
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 04:54	WG1907098
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 04:54	WG1907098
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 04:54	WG1907098
Chloroethane	U		0.0432	0.200	1	08/08/2022 04:54	WG1907098
Chloroform	U		0.0166	0.100	1	08/08/2022 04:54	WG1907098
Chloromethane	U	C3	0.0556	0.500	1	08/08/2022 04:54	WG1907098
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 04:54	WG1907098
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 04:54	WG1907098
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	08/08/2022 04:54	WG1907098
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 04:54	WG1907098
Dibromomethane	U		0.0400	0.200	1	08/08/2022 04:54	WG1907098
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 04:54	WG1907098
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 04:54	WG1907098
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 04:54	WG1907098
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 04:54	WG1907098
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 04:54	WG1907098
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 04:54	WG1907098
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 04:54	WG1907098
cis-1,2-Dichloroethene	2.18		0.0276	0.100	1	08/08/2022 04:54	WG1907098
trans-1,2-Dichloroethene	0.105	J	0.0572	0.200	1	08/08/2022 04:54	WG1907098
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 04:54	WG1907098



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	08/08/2022 04:54	WG1907098
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 04:54	WG1907098
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 04:54	WG1907098
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 04:54	WG1907098
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 04:54	WG1907098
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 04:54	WG1907098
Ethylbenzene	U		0.0212	0.100	1	08/08/2022 04:54	WG1907098
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 04:54	WG1907098
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 04:54	WG1907098
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 04:54	WG1907098
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2022 04:54	WG1907098
Methylene Chloride	U		0.265	1.00	1	08/08/2022 04:54	WG1907098
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 04:54	WG1907098
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 04:54	WG1907098
Naphthalene	U		0.124	0.500	1	08/08/2022 04:54	WG1907098
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 04:54	WG1907098
Styrene	U		0.109	0.500	1	08/08/2022 04:54	WG1907098
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 04:54	WG1907098
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 04:54	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 04:54	WG1907098
Tetrachloroethene	0.222		0.0280	0.100	1	08/08/2022 04:54	WG1907098
Toluene	U		0.0500	0.200	1	08/08/2022 04:54	WG1907098
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 04:54	WG1907098
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 04:54	WG1907098
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 04:54	WG1907098
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 04:54	WG1907098
Trichloroethene	0.117		0.0160	0.0400	1	08/08/2022 04:54	WG1907098
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 04:54	WG1907098
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 04:54	WG1907098
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 04:54	WG1907098
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 04:54	WG1907098
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 04:54	WG1907098
Vinyl chloride	6.77		0.0273	0.100	1	08/08/2022 04:54	WG1907098
Xylenes, Total	U		0.191	0.260	1	08/08/2022 04:54	WG1907098
Ethyl Ether	0.109		0.0170	0.100	1	08/08/2022 04:54	WG1907098
Tetrahydrofuran	1.07		0.0900	0.500	1	08/08/2022 04:54	WG1907098
Iodomethane	U		0.242	0.500	1	08/08/2022 04:54	WG1907098
Allyl chloride	U		0.580	1.00	1	08/08/2022 04:54	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 04:54	WG1907098
(S) Toluene-d8	100			75.0-131		08/08/2022 04:54	WG1907098
(S) 4-Bromofluorobenzene	100			67.0-138		08/08/2022 04:54	WG1907098
(S) 1,2-Dichloroethane-d4	101			70.0-130		08/08/2022 04:54	WG1907098

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	08/07/2022 00:52	WG1906735

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)	2100	<u>B</u>	102	1000	1	08/17/2022 00:37	WG1911590

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	08/16/2022 14:37	WG1908975
Manganese	2.07	<u>J</u>	0.704	5.00	1	08/16/2022 14:37	WG1908975

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	0.542	<u>J</u>	0.287	0.678	1	08/10/2022 10:58	WG1908140
Ethane	U		0.296	1.29	1	08/10/2022 10:58	WG1908140
Ethene	U		0.422	1.27	1	08/10/2022 10:58	WG1908140

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	6.64		0.548	1.00	1	08/08/2022 05:13	WG1907098
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 05:13	WG1907098
Benzene	U		0.0160	0.0400	1	08/08/2022 05:13	WG1907098
Bromobenzene	U		0.0420	0.500	1	08/08/2022 05:13	WG1907098
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 05:13	WG1907098
Bromoform	U	<u>C3</u>	0.239	1.00	1	08/08/2022 05:13	WG1907098
Bromomethane	U	<u>C3</u>	0.148	0.500	1	08/08/2022 05:13	WG1907098
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 05:13	WG1907098
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 05:13	WG1907098
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 05:13	WG1907098
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 05:13	WG1907098
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 05:13	WG1907098
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 05:13	WG1907098
Chloroethane	U		0.0432	0.200	1	08/08/2022 05:13	WG1907098
Chloroform	U		0.0166	0.100	1	08/08/2022 05:13	WG1907098
Chloromethane	U	<u>C3</u>	0.0556	0.500	1	08/08/2022 05:13	WG1907098
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 05:13	WG1907098
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 05:13	WG1907098
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.204	1.00	1	08/08/2022 05:13	WG1907098
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 05:13	WG1907098
Dibromomethane	U		0.0400	0.200	1	08/08/2022 05:13	WG1907098
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 05:13	WG1907098
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 05:13	WG1907098
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 05:13	WG1907098
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 05:13	WG1907098
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 05:13	WG1907098
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 05:13	WG1907098
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 05:13	WG1907098
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/08/2022 05:13	WG1907098
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2022 05:13	WG1907098
1,2-Dichloropropane	U		0.0508	0.200	1	08/08/2022 05:13	WG1907098

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
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2022 05:13	WG1907098
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 05:13	WG1907098
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 05:13	WG1907098
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 05:13	WG1907098
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 05:13	WG1907098
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 05:13	WG1907098
Ethylbenzene	U		0.0212	0.100	1	08/08/2022 05:13	WG1907098
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 05:13	WG1907098
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 05:13	WG1907098
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 05:13	WG1907098
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2022 05:13	WG1907098
Methylene Chloride	U		0.265	1.00	1	08/08/2022 05:13	WG1907098
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 05:13	WG1907098
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 05:13	WG1907098
Naphthalene	U		0.124	0.500	1	08/08/2022 05:13	WG1907098
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 05:13	WG1907098
Styrene	U		0.109	0.500	1	08/08/2022 05:13	WG1907098
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 05:13	WG1907098
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 05:13	WG1907098
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 05:13	WG1907098
Tetrachloroethene	U		0.0280	0.100	1	08/08/2022 05:13	WG1907098
Toluene	U		0.0500	0.200	1	08/08/2022 05:13	WG1907098
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/08/2022 05:13	WG1907098
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 05:13	WG1907098
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 05:13	WG1907098
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 05:13	WG1907098
Trichloroethene	U		0.0160	0.0400	1	08/08/2022 05:13	WG1907098
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 05:13	WG1907098
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 05:13	WG1907098
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 05:13	WG1907098
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 05:13	WG1907098
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 05:13	WG1907098
Vinyl chloride	U		0.0273	0.100	1	08/08/2022 05:13	WG1907098
Xylenes, Total	U		0.191	0.260	1	08/08/2022 05:13	WG1907098
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 05:13	WG1907098
Tetrahydrofuran	U		0.0900	0.500	1	08/08/2022 05:13	WG1907098
Iodomethane	U		0.242	0.500	1	08/08/2022 05:13	WG1907098
Allyl chloride	U		0.580	1.00	1	08/08/2022 05:13	WG1907098
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 05:13	WG1907098
(S) Toluene-d8	103			75.0-131		08/08/2022 05:13	WG1907098
(S) 4-Bromofluorobenzene	100			67.0-138		08/08/2022 05:13	WG1907098
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/08/2022 05:13	WG1907098

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	Batch
Sulfate	207000		2970	25000	5	08/08/2022 04:29	WG1907057

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	7150		102	1000	1	08/30/2022 23:51	WG1911817

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	2170		28.1	100	1	08/16/2022 14:40	WG1908975
Manganese	7360		0.704	5.00	1	08/16/2022 14:40	WG1908975

Volatile Organic Compounds (GC) by Method NWTPHGX

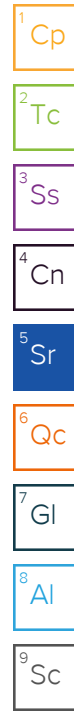
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	37.7	J	31.6	100	1	08/10/2022 16:02	WG1908785
(S) a,a,a-Trifluorotoluene(FID)	96.7			78.0-120		08/10/2022 16:02	WG1908785

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	380		0.287	0.678	1	08/10/2022 11:02	WG1908140
Ethane	1.83		0.296	1.29	1	08/10/2022 11:02	WG1908140
Ethene	U		0.422	1.27	1	08/10/2022 11:02	WG1908140

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	11.1		0.548	1.00	1	08/08/2022 23:58	WG1907686
Acrylonitrile	U		0.0760	0.500	1	08/08/2022 23:58	WG1907686
Benzene	U		0.0160	0.0400	1	08/08/2022 23:58	WG1907686
Bromobenzene	U		0.0420	0.500	1	08/08/2022 23:58	WG1907686
Bromodichloromethane	U		0.0315	0.100	1	08/08/2022 23:58	WG1907686
Bromoform	U		0.239	1.00	1	08/08/2022 23:58	WG1907686
Bromomethane	U		0.148	0.500	1	08/08/2022 23:58	WG1907686
n-Butylbenzene	U		0.153	0.500	1	08/08/2022 23:58	WG1907686
sec-Butylbenzene	U		0.101	0.500	1	08/08/2022 23:58	WG1907686
tert-Butylbenzene	U		0.0620	0.200	1	08/08/2022 23:58	WG1907686
Carbon tetrachloride	U		0.0432	0.200	1	08/08/2022 23:58	WG1907686
Chlorobenzene	U		0.0229	0.100	1	08/08/2022 23:58	WG1907686
Chlorodibromomethane	U		0.0180	0.100	1	08/08/2022 23:58	WG1907686
Chloroethane	U		0.0432	0.200	1	08/08/2022 23:58	WG1907686
Chloroform	U		0.0166	0.100	1	08/08/2022 23:58	WG1907686
Chloromethane	U		0.0556	0.500	1	08/08/2022 23:58	WG1907686
2-Chlorotoluene	U		0.0368	0.100	1	08/08/2022 23:58	WG1907686
4-Chlorotoluene	U		0.0452	0.200	1	08/08/2022 23:58	WG1907686
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/08/2022 23:58	WG1907686
1,2-Dibromoethane	U		0.0210	0.100	1	08/08/2022 23:58	WG1907686
Dibromomethane	U		0.0400	0.200	1	08/08/2022 23:58	WG1907686
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/08/2022 23:58	WG1907686
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/08/2022 23:58	WG1907686



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/08/2022 23:58	WG1907686
Dichlorodifluoromethane	U		0.0327	0.100	1	08/08/2022 23:58	WG1907686
1,1-Dichloroethane	U		0.0230	0.100	1	08/08/2022 23:58	WG1907686
1,2-Dichloroethane	U		0.0190	0.100	1	08/08/2022 23:58	WG1907686
1,1-Dichloroethene	U		0.0200	0.100	1	08/08/2022 23:58	WG1907686
cis-1,2-Dichloroethene	0.0450	J	0.0276	0.100	1	08/08/2022 23:58	WG1907686
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/08/2022 23:58	WG1907686
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/08/2022 23:58	WG1907686
1,1-Dichloropropene	U		0.0280	0.100	1	08/08/2022 23:58	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/08/2022 23:58	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/08/2022 23:58	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/08/2022 23:58	WG1907686
2,2-Dichloropropane	U		0.0317	0.100	1	08/08/2022 23:58	WG1907686
Di-isopropyl ether	U		0.0140	0.0400	1	08/08/2022 23:58	WG1907686
Ethylbenzene	U		0.0212	0.100	1	08/08/2022 23:58	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/08/2022 23:58	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/08/2022 23:58	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/08/2022 23:58	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/08/2022 23:58	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/08/2022 23:58	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/08/2022 23:58	WG1907686
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/08/2022 23:58	WG1907686
Naphthalene	U		0.124	0.500	1	08/08/2022 23:58	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/08/2022 23:58	WG1907686
Styrene	U		0.109	0.500	1	08/08/2022 23:58	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/08/2022 23:58	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/08/2022 23:58	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/08/2022 23:58	WG1907686
Tetrachloroethene	U		0.0280	0.100	1	08/08/2022 23:58	WG1907686
Toluene	U		0.0500	0.200	1	08/08/2022 23:58	WG1907686
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/08/2022 23:58	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/08/2022 23:58	WG1907686
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/08/2022 23:58	WG1907686
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/08/2022 23:58	WG1907686
Trichloroethene	U		0.0160	0.0400	1	08/08/2022 23:58	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/08/2022 23:58	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/08/2022 23:58	WG1907686
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/08/2022 23:58	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/08/2022 23:58	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/08/2022 23:58	WG1907686
Vinyl chloride	2.05	C5 J4	0.0273	0.100	1	08/08/2022 23:58	WG1907686
Xylenes, Total	U		0.191	0.260	1	08/08/2022 23:58	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/08/2022 23:58	WG1907686
Tetrahydrofuran	1.92		0.0900	0.500	1	08/08/2022 23:58	WG1907686
Iodomethane	U		0.242	0.500	1	08/08/2022 23:58	WG1907686
Allyl chloride	U		0.580	1.00	1	08/08/2022 23:58	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/08/2022 23:58	WG1907686
(S) Toluene-d8	102			75.0-131		08/08/2022 23:58	WG1907686
(S) 4-Bromofluorobenzene	109			67.0-138		08/08/2022 23:58	WG1907686
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/08/2022 23:58	WG1907686

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	51800		594	5000	1	08/07/2022 19:50	WG1907057

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)	8770		102	1000	1	08/31/2022 00:09	WG1911817

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3450		28.1	100	1	08/16/2022 14:44	WG1908975
Manganese	3790		0.704	5.00	1	08/16/2022 14:44	WG1908975

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	14700		2.87	6.78	10	08/11/2022 14:28	WG1909307
Ethane	56.4		0.296	1.29	1	08/10/2022 11:08	WG1908140
Ethene	1.83		0.422	1.27	1	08/10/2022 11:08	WG1908140

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		11.0	20.0	20	08/09/2022 03:48	WG1907686
Acrylonitrile	U		1.52	10.0	20	08/09/2022 03:48	WG1907686
Benzene	0.480	J	0.320	0.800	20	08/09/2022 03:48	WG1907686
Bromobenzene	U		0.840	10.0	20	08/09/2022 03:48	WG1907686
Bromodichloromethane	U		0.630	2.00	20	08/09/2022 03:48	WG1907686
Bromoform	U		4.78	20.0	20	08/09/2022 03:48	WG1907686
Bromomethane	U		2.96	10.0	20	08/09/2022 03:48	WG1907686
n-Butylbenzene	U		3.06	10.0	20	08/09/2022 03:48	WG1907686
sec-Butylbenzene	U		2.02	10.0	20	08/09/2022 03:48	WG1907686
tert-Butylbenzene	U		1.24	4.00	20	08/09/2022 03:48	WG1907686
Carbon tetrachloride	U		0.864	4.00	20	08/09/2022 03:48	WG1907686
Chlorobenzene	U		0.458	2.00	20	08/09/2022 03:48	WG1907686
Chlorodibromomethane	U		0.360	2.00	20	08/09/2022 03:48	WG1907686
Chloroethane	U		0.864	4.00	20	08/09/2022 03:48	WG1907686
Chloroform	U		0.332	2.00	20	08/09/2022 03:48	WG1907686
Chloromethane	U		1.11	10.0	20	08/09/2022 03:48	WG1907686
2-Chlorotoluene	U		0.736	2.00	20	08/09/2022 03:48	WG1907686
4-Chlorotoluene	U		0.904	4.00	20	08/09/2022 03:48	WG1907686
1,2-Dibromo-3-Chloropropane	U		4.08	20.0	20	08/09/2022 03:48	WG1907686
1,2-Dibromoethane	U		0.420	2.00	20	08/09/2022 03:48	WG1907686
Dibromomethane	U		0.800	4.00	20	08/09/2022 03:48	WG1907686
1,2-Dichlorobenzene	U		1.16	4.00	20	08/09/2022 03:48	WG1907686
1,3-Dichlorobenzene	U		1.36	4.00	20	08/09/2022 03:48	WG1907686
1,4-Dichlorobenzene	U		1.58	4.00	20	08/09/2022 03:48	WG1907686
Dichlorodifluoromethane	U		0.654	2.00	20	08/09/2022 03:48	WG1907686
1,1-Dichloroethane	U		0.460	2.00	20	08/09/2022 03:48	WG1907686
1,2-Dichloroethane	U		0.380	2.00	20	08/09/2022 03:48	WG1907686
1,1-Dichloroethene	3.68	C5	0.400	2.00	20	08/09/2022 03:48	WG1907686
cis-1,2-Dichloroethene	573		0.552	2.00	20	08/09/2022 03:48	WG1907686
trans-1,2-Dichloroethene	4.72		1.14	4.00	20	08/09/2022 03:48	WG1907686
1,2-Dichloropropane	U	J4	1.02	4.00	20	08/09/2022 03:48	WG1907686

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
1,1-Dichloropropene	U		0.560	2.00	20	08/09/2022 03:48	WG1907686
1,3-Dichloropropane	U		1.40	4.00	20	08/09/2022 03:48	WG1907686
cis-1,3-Dichloropropene	U		0.542	2.00	20	08/09/2022 03:48	WG1907686
trans-1,3-Dichloropropene	U		1.22	4.00	20	08/09/2022 03:48	WG1907686
2,2-Dichloropropane	U		0.634	2.00	20	08/09/2022 03:48	WG1907686
Di-isopropyl ether	U		0.280	0.800	20	08/09/2022 03:48	WG1907686
Ethylbenzene	U		0.424	2.00	20	08/09/2022 03:48	WG1907686
Hexachloro-1,3-butadiene	U		10.2	20.0	20	08/09/2022 03:48	WG1907686
Isopropylbenzene	U		0.690	2.00	20	08/09/2022 03:48	WG1907686
p-Isopropyltoluene	U		1.86	4.00	20	08/09/2022 03:48	WG1907686
2-Butanone (MEK)	U		10.0	20.0	20	08/09/2022 03:48	WG1907686
Methylene Chloride	U		5.30	20.0	20	08/09/2022 03:48	WG1907686
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	08/09/2022 03:48	WG1907686
Methyl tert-butyl ether	U		0.236	0.800	20	08/09/2022 03:48	WG1907686
Naphthalene	U		2.48	10.0	20	08/09/2022 03:48	WG1907686
n-Propylbenzene	U		0.944	4.00	20	08/09/2022 03:48	WG1907686
Styrene	U		2.18	10.0	20	08/09/2022 03:48	WG1907686
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	08/09/2022 03:48	WG1907686
1,1,2,2-Tetrachloroethane	U		0.312	2.00	20	08/09/2022 03:48	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	08/09/2022 03:48	WG1907686
Tetrachloroethene	774		0.560	2.00	20	08/09/2022 03:48	WG1907686
Toluene	U		1.00	4.00	20	08/09/2022 03:48	WG1907686
1,2,3-Trichlorobenzene	U	C4	0.500	10.0	20	08/09/2022 03:48	WG1907686
1,2,4-Trichlorobenzene	U		3.86	10.0	20	08/09/2022 03:48	WG1907686
1,1,1-Trichloroethane	U		0.220	2.00	20	08/09/2022 03:48	WG1907686
1,1,2-Trichloroethane	U		0.706	2.00	20	08/09/2022 03:48	WG1907686
Trichloroethene	327	C5	0.320	0.800	20	08/09/2022 03:48	WG1907686
Trichlorofluoromethane	U		0.400	2.00	20	08/09/2022 03:48	WG1907686
1,2,3-Trichloropropane	U		4.08	10.0	20	08/09/2022 03:48	WG1907686
1,2,4-Trimethylbenzene	U		0.928	4.00	20	08/09/2022 03:48	WG1907686
1,2,3-Trimethylbenzene	U		0.920	4.00	20	08/09/2022 03:48	WG1907686
1,3,5-Trimethylbenzene	U		0.864	4.00	20	08/09/2022 03:48	WG1907686
Vinyl chloride	U	J4	0.546	2.00	20	08/09/2022 03:48	WG1907686
Xylenes, Total	U		3.82	5.20	20	08/09/2022 03:48	WG1907686
Ethyl Ether	U		0.340	2.00	20	08/09/2022 03:48	WG1907686
Tetrahydrofuran	U		1.80	10.0	20	08/09/2022 03:48	WG1907686
Iodomethane	U		4.84	10.0	20	08/09/2022 03:48	WG1907686
Allyl chloride	U		11.6	20.0	20	08/09/2022 03:48	WG1907686
Trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	08/09/2022 03:48	WG1907686
(S) Toluene-d8	99.7			75.0-131		08/09/2022 03:48	WG1907686
(S) 4-Bromofluorobenzene	101			67.0-138		08/09/2022 03:48	WG1907686
(S) 1,2-Dichloroethane-d4	95.4			70.0-130		08/09/2022 03:48	WG1907686

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	90700		594	5000	1	08/07/2022 21:02	WG1907057

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)	1660	<u>B</u>	102	1000	1	08/31/2022 00:44	WG1911817

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2010		28.1	100	1	08/16/2022 13:58	WG1908975
Manganese	397		0.704	5.00	1	08/16/2022 13:58	WG1908975

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	111		0.287	0.678	1	08/10/2022 11:15	WG1908140
Ethane	1.06	<u>J</u>	0.296	1.29	1	08/10/2022 11:15	WG1908140
Ethene	U		0.422	1.27	1	08/10/2022 11:15	WG1908140

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	08/09/2022 00:17	WG1907686
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 00:17	WG1907686
Benzene	0.0250	<u>J</u>	0.0160	0.0400	1	08/09/2022 00:17	WG1907686
Bromobenzene	U		0.0420	0.500	1	08/09/2022 00:17	WG1907686
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 00:17	WG1907686
Bromoform	U		0.239	1.00	1	08/09/2022 00:17	WG1907686
Bromomethane	U		0.148	0.500	1	08/09/2022 00:17	WG1907686
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 00:17	WG1907686
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 00:17	WG1907686
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 00:17	WG1907686
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 00:17	WG1907686
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 00:17	WG1907686
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 00:17	WG1907686
Chloroethane	U		0.0432	0.200	1	08/09/2022 00:17	WG1907686
Chloroform	0.110		0.0166	0.100	1	08/09/2022 00:17	WG1907686
Chloromethane	U		0.0556	0.500	1	08/09/2022 00:17	WG1907686
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 00:17	WG1907686
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 00:17	WG1907686
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 00:17	WG1907686
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 00:17	WG1907686
Dibromomethane	U		0.0400	0.200	1	08/09/2022 00:17	WG1907686
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 00:17	WG1907686
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 00:17	WG1907686
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 00:17	WG1907686
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 00:17	WG1907686
1,1-Dichloroethane	2.02		0.0230	0.100	1	08/09/2022 00:17	WG1907686
1,2-Dichloroethane	0.277		0.0190	0.100	1	08/09/2022 00:17	WG1907686
1,1-Dichloroethene	0.424	<u>C5</u>	0.0200	0.100	1	08/09/2022 00:17	WG1907686
cis-1,2-Dichloroethene	27.1		0.0276	0.100	1	08/09/2022 00:17	WG1907686
trans-1,2-Dichloroethene	0.165	<u>J</u>	0.0572	0.200	1	08/09/2022 00:17	WG1907686
1,2-Dichloropropane	0.758	<u>C5 J4</u>	0.0508	0.200	1	08/09/2022 00:17	WG1907686

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
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 00:17	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 00:17	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 00:17	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 00:17	WG1907686
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 00:17	WG1907686
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 00:17	WG1907686
Ethylbenzene	U		0.0212	0.100	1	08/09/2022 00:17	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 00:17	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 00:17	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 00:17	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 00:17	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/09/2022 00:17	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 00:17	WG1907686
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 00:17	WG1907686
Naphthalene	U		0.124	0.500	1	08/09/2022 00:17	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 00:17	WG1907686
Styrene	U		0.109	0.500	1	08/09/2022 00:17	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 00:17	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 00:17	WG1907686
1,1,2-Trichlorotrifluoroethane	0.348		0.0270	0.100	1	08/09/2022 00:17	WG1907686
Tetrachloroethene	58.5		0.0280	0.100	1	08/09/2022 00:17	WG1907686
Toluene	U		0.0500	0.200	1	08/09/2022 00:17	WG1907686
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/09/2022 00:17	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 00:17	WG1907686
1,1,1-Trichloroethane	0.180		0.0110	0.100	1	08/09/2022 00:17	WG1907686
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 00:17	WG1907686
Trichloroethene	17.6	C5	0.0160	0.0400	1	08/09/2022 00:17	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 00:17	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 00:17	WG1907686
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 00:17	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 00:17	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 00:17	WG1907686
Vinyl chloride	0.742	C5 J4	0.0273	0.100	1	08/09/2022 00:17	WG1907686
Xylenes, Total	U		0.191	0.260	1	08/09/2022 00:17	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 00:17	WG1907686
Tetrahydrofuran	0.739		0.0900	0.500	1	08/09/2022 00:17	WG1907686
Iodomethane	U		0.242	0.500	1	08/09/2022 00:17	WG1907686
Allyl chloride	U		0.580	1.00	1	08/09/2022 00:17	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 00:17	WG1907686
(S) Toluene-d8	103			75.0-131		08/09/2022 00:17	WG1907686
(S) 4-Bromofluorobenzene	108			67.0-138		08/09/2022 00:17	WG1907686
(S) 1,2-Dichloroethane-d4	98.5			70.0-130		08/09/2022 00:17	WG1907686

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	Batch
Sulfate	195000		594	5000	1	08/07/2022 21:20	WG1907057

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	7640		102	1000	1	08/31/2022 01:18	WG1911817

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	2900		28.1	100	1	08/16/2022 14:47	WG1908975
Manganese	7820		0.704	5.00	1	08/16/2022 14:47	WG1908975

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/10/2022 16:24	WG1908785
(S) a,a,a-Trifluorotoluene(FID)	98.6			78.0-120		08/10/2022 16:24	WG1908785

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	469		0.287	0.678	1	08/10/2022 11:25	WG1908140
Ethane	2.53		0.296	1.29	1	08/10/2022 11:25	WG1908140
Ethene	U		0.422	1.27	1	08/10/2022 11:25	WG1908140

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	1.66		0.548	1.00	1	08/09/2022 00:37	WG1907686
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 00:37	WG1907686
Benzene	U		0.0160	0.0400	1	08/09/2022 00:37	WG1907686
Bromobenzene	U		0.0420	0.500	1	08/09/2022 00:37	WG1907686
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 00:37	WG1907686
Bromoform	U		0.239	1.00	1	08/09/2022 00:37	WG1907686
Bromomethane	U		0.148	0.500	1	08/09/2022 00:37	WG1907686
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 00:37	WG1907686
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 00:37	WG1907686
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 00:37	WG1907686
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 00:37	WG1907686
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 00:37	WG1907686
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 00:37	WG1907686
Chloroethane	U		0.0432	0.200	1	08/09/2022 00:37	WG1907686
Chloroform	U		0.0166	0.100	1	08/09/2022 00:37	WG1907686
Chloromethane	U		0.0556	0.500	1	08/09/2022 00:37	WG1907686
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 00:37	WG1907686
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 00:37	WG1907686
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 00:37	WG1907686
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 00:37	WG1907686
Dibromomethane	U		0.0400	0.200	1	08/09/2022 00:37	WG1907686
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 00:37	WG1907686
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 00:37	WG1907686

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
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 00:37	WG1907686
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 00:37	WG1907686
1,1-Dichloroethane	0.0430	J	0.0230	0.100	1	08/09/2022 00:37	WG1907686
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 00:37	WG1907686
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 00:37	WG1907686
cis-1,2-Dichloroethene	0.0370	J	0.0276	0.100	1	08/09/2022 00:37	WG1907686
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/09/2022 00:37	WG1907686
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/09/2022 00:37	WG1907686
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 00:37	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 00:37	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 00:37	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 00:37	WG1907686
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 00:37	WG1907686
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 00:37	WG1907686
Ethylbenzene	U		0.0212	0.100	1	08/09/2022 00:37	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 00:37	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 00:37	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 00:37	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 00:37	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/09/2022 00:37	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 00:37	WG1907686
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 00:37	WG1907686
Naphthalene	U		0.124	0.500	1	08/09/2022 00:37	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 00:37	WG1907686
Styrene	U		0.109	0.500	1	08/09/2022 00:37	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 00:37	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 00:37	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 00:37	WG1907686
Tetrachloroethene	U		0.0280	0.100	1	08/09/2022 00:37	WG1907686
Toluene	U		0.0500	0.200	1	08/09/2022 00:37	WG1907686
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/09/2022 00:37	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 00:37	WG1907686
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 00:37	WG1907686
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 00:37	WG1907686
Trichloroethene	U		0.0160	0.0400	1	08/09/2022 00:37	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 00:37	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 00:37	WG1907686
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 00:37	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 00:37	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 00:37	WG1907686
Vinyl chloride	2.66	C5 J4	0.0273	0.100	1	08/09/2022 00:37	WG1907686
Xylenes, Total	U		0.191	0.260	1	08/09/2022 00:37	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 00:37	WG1907686
Tetrahydrofuran	0.876		0.0900	0.500	1	08/09/2022 00:37	WG1907686
Iodomethane	U		0.242	0.500	1	08/09/2022 00:37	WG1907686
Allyl chloride	U		0.580	1.00	1	08/09/2022 00:37	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 00:37	WG1907686
(S) Toluene-d8	103			75.0-131		08/09/2022 00:37	WG1907686
(S) 4-Bromofluorobenzene	106			67.0-138		08/09/2022 00:37	WG1907686
(S) 1,2-Dichloroethane-d4	92.8			70.0-130		08/09/2022 00:37	WG1907686

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
Acetone	2.42		0.548	1.00	1	08/09/2022 00:56	WG1907686
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 00:56	WG1907686
Benzene	0.0400	<u>J</u>	0.0160	0.0400	1	08/09/2022 00:56	WG1907686
Bromobenzene	U		0.0420	0.500	1	08/09/2022 00:56	WG1907686
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 00:56	WG1907686
Bromoform	U		0.239	1.00	1	08/09/2022 00:56	WG1907686
Bromomethane	U		0.148	0.500	1	08/09/2022 00:56	WG1907686
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 00:56	WG1907686
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 00:56	WG1907686
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 00:56	WG1907686
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 00:56	WG1907686
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 00:56	WG1907686
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 00:56	WG1907686
Chloroethane	U		0.0432	0.200	1	08/09/2022 00:56	WG1907686
Chloroform	U		0.0166	0.100	1	08/09/2022 00:56	WG1907686
Chloromethane	U		0.0556	0.500	1	08/09/2022 00:56	WG1907686
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 00:56	WG1907686
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 00:56	WG1907686
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 00:56	WG1907686
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 00:56	WG1907686
Dibromomethane	U		0.0400	0.200	1	08/09/2022 00:56	WG1907686
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 00:56	WG1907686
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 00:56	WG1907686
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 00:56	WG1907686
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 00:56	WG1907686
1,1-Dichloroethane	U		0.0230	0.100	1	08/09/2022 00:56	WG1907686
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 00:56	WG1907686
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 00:56	WG1907686
cis-1,2-Dichloroethene	10.0		0.0276	0.100	1	08/09/2022 00:56	WG1907686
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/09/2022 00:56	WG1907686
1,2-Dichloropropane	U	<u>J4</u>	0.0508	0.200	1	08/09/2022 00:56	WG1907686
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 00:56	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 00:56	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 00:56	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 00:56	WG1907686
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 00:56	WG1907686
Di-isopropyl ether	0.0850	<u>C5</u>	0.0140	0.0400	1	08/09/2022 00:56	WG1907686
Ethylbenzene	0.135		0.0212	0.100	1	08/09/2022 00:56	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 00:56	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 00:56	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 00:56	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 00:56	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/09/2022 00:56	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 00:56	WG1907686
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 00:56	WG1907686
Naphthalene	0.316	<u>J</u>	0.124	0.500	1	08/09/2022 00:56	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 00:56	WG1907686
Styrene	0.128	<u>J</u>	0.109	0.500	1	08/09/2022 00:56	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 00:56	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 00:56	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 00:56	WG1907686
Tetrachloroethene	U		0.0280	0.100	1	08/09/2022 00:56	WG1907686
Toluene	0.906		0.0500	0.200	1	08/09/2022 00:56	WG1907686
1,2,3-Trichlorobenzene	U	<u>C4</u>	0.0250	0.500	1	08/09/2022 00:56	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 00:56	WG1907686
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 00:56	WG1907686

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 00:56	WG1907686
Trichloroethene	U		0.0160	0.0400	1	08/09/2022 00:56	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 00:56	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 00:56	WG1907686
1,2,4-Trimethylbenzene	0.136	J	0.0464	0.200	1	08/09/2022 00:56	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 00:56	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 00:56	WG1907686
Vinyl chloride	0.339	C5 J4	0.0273	0.100	1	08/09/2022 00:56	WG1907686
Xylenes, Total	0.935		0.191	0.260	1	08/09/2022 00:56	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 00:56	WG1907686
Tetrahydrofuran	0.592		0.0900	0.500	1	08/09/2022 00:56	WG1907686
Iodomethane	U		0.242	0.500	1	08/09/2022 00:56	WG1907686
Allyl chloride	U		0.580	1.00	1	08/09/2022 00:56	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 00:56	WG1907686
(S) Toluene-d8	103			75.0-131		08/09/2022 00:56	WG1907686
(S) 4-Bromofluorobenzene	105			67.0-138		08/09/2022 00:56	WG1907686
(S) 1,2-Dichloroethane-d4	91.4			70.0-130		08/09/2022 00:56	WG1907686

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
Acetone	3.49		0.548	1.00	1	08/09/2022 01:15	WG1907686
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 01:15	WG1907686
Benzene	0.0500		0.0160	0.0400	1	08/09/2022 01:15	WG1907686
Bromobenzene	U		0.0420	0.500	1	08/09/2022 01:15	WG1907686
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 01:15	WG1907686
Bromoform	U		0.239	1.00	1	08/09/2022 01:15	WG1907686
Bromomethane	U		0.148	0.500	1	08/09/2022 01:15	WG1907686
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 01:15	WG1907686
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 01:15	WG1907686
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 01:15	WG1907686
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 01:15	WG1907686
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 01:15	WG1907686
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 01:15	WG1907686
Chloroethane	U		0.0432	0.200	1	08/09/2022 01:15	WG1907686
Chloroform	U		0.0166	0.100	1	08/09/2022 01:15	WG1907686
Chloromethane	U		0.0556	0.500	1	08/09/2022 01:15	WG1907686
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 01:15	WG1907686
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 01:15	WG1907686
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 01:15	WG1907686
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 01:15	WG1907686
Dibromomethane	U		0.0400	0.200	1	08/09/2022 01:15	WG1907686
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 01:15	WG1907686
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 01:15	WG1907686
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 01:15	WG1907686
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 01:15	WG1907686
1,1-Dichloroethane	0.0400	U	0.0230	0.100	1	08/09/2022 01:15	WG1907686
1,2-Dichloroethane	0.0350	U	0.0190	0.100	1	08/09/2022 01:15	WG1907686
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 01:15	WG1907686
cis-1,2-Dichloroethene	20.2		0.0276	0.100	1	08/09/2022 01:15	WG1907686
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/09/2022 01:15	WG1907686
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/09/2022 01:15	WG1907686
1,1-Dichloropropene	0.0360	U	0.0280	0.100	1	08/09/2022 01:15	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 01:15	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 01:15	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 01:15	WG1907686
2,2-Dichloropropane	0.0610	U	0.0317	0.100	1	08/09/2022 01:15	WG1907686
Di-isopropyl ether	0.0520	C5	0.0140	0.0400	1	08/09/2022 01:15	WG1907686
Ethylbenzene	0.125		0.0212	0.100	1	08/09/2022 01:15	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 01:15	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 01:15	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 01:15	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 01:15	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/09/2022 01:15	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 01:15	WG1907686
Methyl tert-butyl ether	0.0300	U	0.0118	0.0400	1	08/09/2022 01:15	WG1907686
Naphthalene	0.299	U	0.124	0.500	1	08/09/2022 01:15	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 01:15	WG1907686
Styrene	0.124	U	0.109	0.500	1	08/09/2022 01:15	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 01:15	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 01:15	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 01:15	WG1907686
Tetrachloroethene	U		0.0280	0.100	1	08/09/2022 01:15	WG1907686
Toluene	0.770		0.0500	0.200	1	08/09/2022 01:15	WG1907686
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/09/2022 01:15	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 01:15	WG1907686
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 01:15	WG1907686

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 01:15	WG1907686
Trichloroethene	U		0.0160	0.0400	1	08/09/2022 01:15	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 01:15	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 01:15	WG1907686
1,2,4-Trimethylbenzene	0.121	J	0.0464	0.200	1	08/09/2022 01:15	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 01:15	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 01:15	WG1907686
Vinyl chloride	0.120	C5 J4	0.0273	0.100	1	08/09/2022 01:15	WG1907686
Xylenes, Total	0.785		0.191	0.260	1	08/09/2022 01:15	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 01:15	WG1907686
Tetrahydrofuran	0.587		0.0900	0.500	1	08/09/2022 01:15	WG1907686
Iodomethane	U		0.242	0.500	1	08/09/2022 01:15	WG1907686
Allyl chloride	U		0.580	1.00	1	08/09/2022 01:15	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 01:15	WG1907686
(S) Toluene-d8	104			75.0-131		08/09/2022 01:15	WG1907686
(S) 4-Bromofluorobenzene	104			67.0-138		08/09/2022 01:15	WG1907686
(S) 1,2-Dichloroethane-d4	97.5			70.0-130		08/09/2022 01:15	WG1907686

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	2.04		0.548	1.00	1	08/09/2022 01:34	WG1907686
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 01:34	WG1907686
Benzene	3.03		0.0160	0.0400	1	08/09/2022 01:34	WG1907686
Bromobenzene	U		0.0420	0.500	1	08/09/2022 01:34	WG1907686
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 01:34	WG1907686
Bromoform	U		0.239	1.00	1	08/09/2022 01:34	WG1907686
Bromomethane	U		0.148	0.500	1	08/09/2022 01:34	WG1907686
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 01:34	WG1907686
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 01:34	WG1907686
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 01:34	WG1907686
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 01:34	WG1907686
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 01:34	WG1907686
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 01:34	WG1907686
Chloroethane	U		0.0432	0.200	1	08/09/2022 01:34	WG1907686
Chloroform	U		0.0166	0.100	1	08/09/2022 01:34	WG1907686
Chloromethane	U		0.0556	0.500	1	08/09/2022 01:34	WG1907686
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 01:34	WG1907686
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 01:34	WG1907686
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 01:34	WG1907686
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 01:34	WG1907686
Dibromomethane	U		0.0400	0.200	1	08/09/2022 01:34	WG1907686
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 01:34	WG1907686
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 01:34	WG1907686
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 01:34	WG1907686
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 01:34	WG1907686
1,1-Dichloroethane	0.0490	J	0.0230	0.100	1	08/09/2022 01:34	WG1907686
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 01:34	WG1907686
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 01:34	WG1907686
cis-1,2-Dichloroethene	0.211		0.0276	0.100	1	08/09/2022 01:34	WG1907686
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/09/2022 01:34	WG1907686
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/09/2022 01:34	WG1907686
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 01:34	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 01:34	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 01:34	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 01:34	WG1907686
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 01:34	WG1907686
Di-isopropyl ether	0.0890	C5	0.0140	0.0400	1	08/09/2022 01:34	WG1907686
Ethylbenzene	0.142		0.0212	0.100	1	08/09/2022 01:34	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 01:34	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 01:34	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 01:34	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 01:34	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/09/2022 01:34	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 01:34	WG1907686
Methyl tert-butyl ether	0.0250	J	0.0118	0.0400	1	08/09/2022 01:34	WG1907686
Naphthalene	0.302	J	0.124	0.500	1	08/09/2022 01:34	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 01:34	WG1907686
Styrene	0.128	J	0.109	0.500	1	08/09/2022 01:34	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 01:34	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 01:34	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 01:34	WG1907686
Tetrachloroethene	U		0.0280	0.100	1	08/09/2022 01:34	WG1907686
Toluene	0.861		0.0500	0.200	1	08/09/2022 01:34	WG1907686
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/09/2022 01:34	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 01:34	WG1907686
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 01:34	WG1907686

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 01:34	WG1907686
Trichloroethene	U		0.0160	0.0400	1	08/09/2022 01:34	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 01:34	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 01:34	WG1907686
1,2,4-Trimethylbenzene	0.121	J	0.0464	0.200	1	08/09/2022 01:34	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 01:34	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 01:34	WG1907686
Vinyl chloride	12.5	C5 J4	0.0273	0.100	1	08/09/2022 01:34	WG1907686
Xylenes, Total	0.927		0.191	0.260	1	08/09/2022 01:34	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 01:34	WG1907686
Tetrahydrofuran	0.251	J	0.0900	0.500	1	08/09/2022 01:34	WG1907686
Iodomethane	U		0.242	0.500	1	08/09/2022 01:34	WG1907686
Allyl chloride	U		0.580	1.00	1	08/09/2022 01:34	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 01:34	WG1907686
(S) Toluene-d8	102			75.0-131		08/09/2022 01:34	WG1907686
(S) 4-Bromofluorobenzene	105			67.0-138		08/09/2022 01:34	WG1907686
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/09/2022 01:34	WG1907686

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	12200		594	5000	1	08/07/2022 21:37	WG1907057

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)	3620		102	1000	1	08/17/2022 00:53	WG1911590

Metals (ICPMS) by Method 6020B

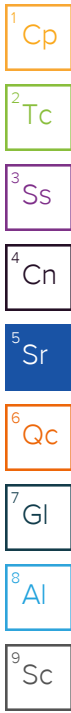
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5350		28.1	100	1	08/16/2022 16:04	WG1908976
Manganese	1430		0.704	5.00	1	08/16/2022 16:04	WG1908976

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	10500		2.87	6.78	10	08/11/2022 14:33	WG1909307
Ethane	374		0.296	1.29	1	08/10/2022 11:29	WG1908140
Ethene	252		0.422	1.27	1	08/10/2022 11:29	WG1908140

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		5.48	10.0	10	08/09/2022 04:07	WG1907686
Acrylonitrile	U		0.760	5.00	10	08/09/2022 04:07	WG1907686
Benzene	U		0.160	0.400	10	08/09/2022 04:07	WG1907686
Bromobenzene	U		0.420	5.00	10	08/09/2022 04:07	WG1907686
Bromodichloromethane	U		0.315	1.00	10	08/09/2022 04:07	WG1907686
Bromoform	U		2.39	10.0	10	08/09/2022 04:07	WG1907686
Bromomethane	U		1.48	5.00	10	08/09/2022 04:07	WG1907686
n-Butylbenzene	U		1.53	5.00	10	08/09/2022 04:07	WG1907686
sec-Butylbenzene	U		1.01	5.00	10	08/09/2022 04:07	WG1907686
tert-Butylbenzene	U		0.620	2.00	10	08/09/2022 04:07	WG1907686
Carbon tetrachloride	U		0.432	2.00	10	08/09/2022 04:07	WG1907686
Chlorobenzene	U		0.229	1.00	10	08/09/2022 04:07	WG1907686
Chlorodibromomethane	U		0.180	1.00	10	08/09/2022 04:07	WG1907686
Chloroethane	U		0.432	2.00	10	08/09/2022 04:07	WG1907686
Chloroform	U		0.166	1.00	10	08/09/2022 04:07	WG1907686
Chloromethane	U		0.556	5.00	10	08/09/2022 04:07	WG1907686
2-Chlorotoluene	U		0.368	1.00	10	08/09/2022 04:07	WG1907686
4-Chlorotoluene	U		0.452	2.00	10	08/09/2022 04:07	WG1907686
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	08/09/2022 04:07	WG1907686
1,2-Dibromoethane	U		0.210	1.00	10	08/09/2022 04:07	WG1907686
Dibromomethane	U		0.400	2.00	10	08/09/2022 04:07	WG1907686
1,2-Dichlorobenzene	U		0.580	2.00	10	08/09/2022 04:07	WG1907686
1,3-Dichlorobenzene	U		0.680	2.00	10	08/09/2022 04:07	WG1907686
1,4-Dichlorobenzene	U		0.788	2.00	10	08/09/2022 04:07	WG1907686
Dichlorodifluoromethane	U		0.327	1.00	10	08/09/2022 04:07	WG1907686
1,1-Dichloroethane	U		0.230	1.00	10	08/09/2022 04:07	WG1907686
1,2-Dichloroethane	U		0.190	1.00	10	08/09/2022 04:07	WG1907686
1,1-Dichloroethene	U		0.200	1.00	10	08/09/2022 04:07	WG1907686
cis-1,2-Dichloroethene	11.3		0.276	1.00	10	08/09/2022 04:07	WG1907686
trans-1,2-Dichloroethene	1.17	J	0.572	2.00	10	08/09/2022 04:07	WG1907686
1,2-Dichloropropane	U	J4	0.508	2.00	10	08/09/2022 04:07	WG1907686



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		0.280	1.00	10	08/09/2022 04:07	WG1907686
1,3-Dichloropropane	U		0.700	2.00	10	08/09/2022 04:07	WG1907686
cis-1,3-Dichloropropene	U		0.271	1.00	10	08/09/2022 04:07	WG1907686
trans-1,3-Dichloropropene	U		0.612	2.00	10	08/09/2022 04:07	WG1907686
2,2-Dichloropropane	U		0.317	1.00	10	08/09/2022 04:07	WG1907686
Di-isopropyl ether	U		0.140	0.400	10	08/09/2022 04:07	WG1907686
Ethylbenzene	U		0.212	1.00	10	08/09/2022 04:07	WG1907686
Hexachloro-1,3-butadiene	U		5.08	10.0	10	08/09/2022 04:07	WG1907686
Isopropylbenzene	U		0.345	1.00	10	08/09/2022 04:07	WG1907686
p-Isopropyltoluene	U		0.932	2.00	10	08/09/2022 04:07	WG1907686
2-Butanone (MEK)	U		5.00	10.0	10	08/09/2022 04:07	WG1907686
Methylene Chloride	U		2.65	10.0	10	08/09/2022 04:07	WG1907686
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	08/09/2022 04:07	WG1907686
Methyl tert-butyl ether	U		0.118	0.400	10	08/09/2022 04:07	WG1907686
Naphthalene	U		1.24	5.00	10	08/09/2022 04:07	WG1907686
n-Propylbenzene	U		0.472	2.00	10	08/09/2022 04:07	WG1907686
Styrene	U		1.09	5.00	10	08/09/2022 04:07	WG1907686
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	08/09/2022 04:07	WG1907686
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	08/09/2022 04:07	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	08/09/2022 04:07	WG1907686
Tetrachloroethene	U		0.280	1.00	10	08/09/2022 04:07	WG1907686
Toluene	U		0.500	2.00	10	08/09/2022 04:07	WG1907686
1,2,3-Trichlorobenzene	U	C4	0.250	5.00	10	08/09/2022 04:07	WG1907686
1,2,4-Trichlorobenzene	U		1.93	5.00	10	08/09/2022 04:07	WG1907686
1,1,1-Trichloroethane	U		0.110	1.00	10	08/09/2022 04:07	WG1907686
1,1,2-Trichloroethane	U		0.353	1.00	10	08/09/2022 04:07	WG1907686
Trichloroethene	U		0.160	0.400	10	08/09/2022 04:07	WG1907686
Trichlorofluoromethane	U		0.200	1.00	10	08/09/2022 04:07	WG1907686
1,2,3-Trichloropropane	U		2.04	5.00	10	08/09/2022 04:07	WG1907686
1,2,4-Trimethylbenzene	U		0.464	2.00	10	08/09/2022 04:07	WG1907686
1,2,3-Trimethylbenzene	U		0.460	2.00	10	08/09/2022 04:07	WG1907686
1,3,5-Trimethylbenzene	U		0.432	2.00	10	08/09/2022 04:07	WG1907686
Vinyl chloride	374	C5 J4	0.273	1.00	10	08/09/2022 04:07	WG1907686
Xylenes, Total	U		1.91	2.60	10	08/09/2022 04:07	WG1907686
Ethyl Ether	U		0.170	1.00	10	08/09/2022 04:07	WG1907686
Tetrahydrofuran	4.66	J	0.900	5.00	10	08/09/2022 04:07	WG1907686
Iodomethane	U		2.42	5.00	10	08/09/2022 04:07	WG1907686
Allyl chloride	U		5.80	10.0	10	08/09/2022 04:07	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	08/09/2022 04:07	WG1907686
(S) Toluene-d8	102			75.0-131		08/09/2022 04:07	WG1907686
(S) 4-Bromofluorobenzene	93.2			67.0-138		08/09/2022 04:07	WG1907686
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/09/2022 04:07	WG1907686

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	58000		594	5000	1	08/07/2022 22:31	WG1907057

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)	2120		102	1000	1	08/17/2022 01:09	WG1911590

Metals (ICPMS) by Method 6020B

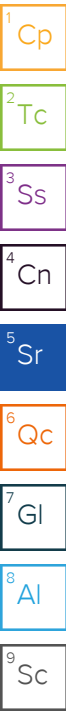
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	133		28.1	100	1	08/16/2022 16:55	WG1908976
Manganese	15.6		0.704	5.00	1	08/16/2022 16:55	WG1908976

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2.22		0.287	0.678	1	08/10/2022 11:36	WG1908140
Ethane	U		0.296	1.29	1	08/10/2022 11:36	WG1908140
Ethene	U		0.422	1.27	1	08/10/2022 11:36	WG1908140

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	08/09/2022 01:53	WG1907686
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 01:53	WG1907686
Benzene	0.0200	J	0.0160	0.0400	1	08/09/2022 01:53	WG1907686
Bromobenzene	U		0.0420	0.500	1	08/09/2022 01:53	WG1907686
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 01:53	WG1907686
Bromoform	U		0.239	1.00	1	08/09/2022 01:53	WG1907686
Bromomethane	U		0.148	0.500	1	08/09/2022 01:53	WG1907686
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 01:53	WG1907686
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 01:53	WG1907686
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 01:53	WG1907686
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 01:53	WG1907686
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 01:53	WG1907686
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 01:53	WG1907686
Chloroethane	U		0.0432	0.200	1	08/09/2022 01:53	WG1907686
Chloroform	U		0.0166	0.100	1	08/09/2022 01:53	WG1907686
Chloromethane	U		0.0556	0.500	1	08/09/2022 01:53	WG1907686
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 01:53	WG1907686
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 01:53	WG1907686
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 01:53	WG1907686
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 01:53	WG1907686
Dibromomethane	U		0.0400	0.200	1	08/09/2022 01:53	WG1907686
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 01:53	WG1907686
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 01:53	WG1907686
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 01:53	WG1907686
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 01:53	WG1907686
1,1-Dichloroethane	U		0.0230	0.100	1	08/09/2022 01:53	WG1907686
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 01:53	WG1907686
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 01:53	WG1907686
cis-1,2-Dichloroethene	3.85		0.0276	0.100	1	08/09/2022 01:53	WG1907686
trans-1,2-Dichloroethene	0.0630	J	0.0572	0.200	1	08/09/2022 01:53	WG1907686
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/09/2022 01:53	WG1907686



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	08/09/2022 01:53	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 01:53	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 01:53	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 01:53	WG1907686
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 01:53	WG1907686
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 01:53	WG1907686
Ethylbenzene	U		0.0212	0.100	1	08/09/2022 01:53	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 01:53	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 01:53	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 01:53	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 01:53	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/09/2022 01:53	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 01:53	WG1907686
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 01:53	WG1907686
Naphthalene	U		0.124	0.500	1	08/09/2022 01:53	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 01:53	WG1907686
Styrene	U		0.109	0.500	1	08/09/2022 01:53	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 01:53	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 01:53	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 01:53	WG1907686
Tetrachloroethene	33.8		0.0280	0.100	1	08/09/2022 01:53	WG1907686
Toluene	U		0.0500	0.200	1	08/09/2022 01:53	WG1907686
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/09/2022 01:53	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 01:53	WG1907686
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 01:53	WG1907686
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 01:53	WG1907686
Trichloroethene	8.28	C5	0.0160	0.0400	1	08/09/2022 01:53	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 01:53	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 01:53	WG1907686
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 01:53	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 01:53	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 01:53	WG1907686
Vinyl chloride	U	J4	0.0273	0.100	1	08/09/2022 01:53	WG1907686
Xylenes, Total	U		0.191	0.260	1	08/09/2022 01:53	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 01:53	WG1907686
Tetrahydrofuran	U		0.0900	0.500	1	08/09/2022 01:53	WG1907686
Iodomethane	U		0.242	0.500	1	08/09/2022 01:53	WG1907686
Allyl chloride	U		0.580	1.00	1	08/09/2022 01:53	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 01:53	WG1907686
(S) Toluene-d8	104			75.0-131		08/09/2022 01:53	WG1907686
(S) 4-Bromofluorobenzene	108			67.0-138		08/09/2022 01:53	WG1907686
(S) 1,2-Dichloroethane-d4	96.1			70.0-130		08/09/2022 01:53	WG1907686

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1220	J	594	5000	1	08/07/2022 22:49	WG1907057

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)	4210		102	1000	1	08/17/2022 01:27	WG1911590

Metals (ICPMS) by Method 6020B

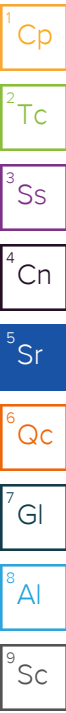
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9740		28.1	100	1	08/16/2022 16:58	WG1908976
Manganese	3050		0.704	5.00	1	08/16/2022 16:58	WG1908976

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6910		2.87	6.78	10	08/11/2022 14:37	WG1909307
Ethane	12.1		0.296	1.29	1	08/10/2022 11:41	WG1908140
Ethene	U		0.422	1.27	1	08/10/2022 11:41	WG1908140

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	08/09/2022 02:12	WG1907686
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 02:12	WG1907686
Benzene	0.0290	J	0.0160	0.0400	1	08/09/2022 02:12	WG1907686
Bromobenzene	U		0.0420	0.500	1	08/09/2022 02:12	WG1907686
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 02:12	WG1907686
Bromoform	U		0.239	1.00	1	08/09/2022 02:12	WG1907686
Bromomethane	U		0.148	0.500	1	08/09/2022 02:12	WG1907686
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 02:12	WG1907686
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 02:12	WG1907686
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 02:12	WG1907686
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 02:12	WG1907686
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 02:12	WG1907686
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 02:12	WG1907686
Chloroethane	U		0.0432	0.200	1	08/09/2022 02:12	WG1907686
Chloroform	U		0.0166	0.100	1	08/09/2022 02:12	WG1907686
Chloromethane	U		0.0556	0.500	1	08/09/2022 02:12	WG1907686
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 02:12	WG1907686
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 02:12	WG1907686
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 02:12	WG1907686
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 02:12	WG1907686
Dibromomethane	U		0.0400	0.200	1	08/09/2022 02:12	WG1907686
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 02:12	WG1907686
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 02:12	WG1907686
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 02:12	WG1907686
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 02:12	WG1907686
1,1-Dichloroethane	U		0.0230	0.100	1	08/09/2022 02:12	WG1907686
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 02:12	WG1907686
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 02:12	WG1907686
cis-1,2-Dichloroethene	0.354		0.0276	0.100	1	08/09/2022 02:12	WG1907686
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/09/2022 02:12	WG1907686
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/09/2022 02:12	WG1907686



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	08/09/2022 02:12	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 02:12	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 02:12	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 02:12	WG1907686
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 02:12	WG1907686
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 02:12	WG1907686
Ethylbenzene	U		0.0212	0.100	1	08/09/2022 02:12	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 02:12	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 02:12	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 02:12	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 02:12	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/09/2022 02:12	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 02:12	WG1907686
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 02:12	WG1907686
Naphthalene	U		0.124	0.500	1	08/09/2022 02:12	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 02:12	WG1907686
Styrene	U		0.109	0.500	1	08/09/2022 02:12	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 02:12	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 02:12	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 02:12	WG1907686
Tetrachloroethene	U		0.0280	0.100	1	08/09/2022 02:12	WG1907686
Toluene	U		0.0500	0.200	1	08/09/2022 02:12	WG1907686
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/09/2022 02:12	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 02:12	WG1907686
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 02:12	WG1907686
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 02:12	WG1907686
Trichloroethene	0.0280	J	0.0160	0.0400	1	08/09/2022 02:12	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 02:12	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 02:12	WG1907686
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 02:12	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 02:12	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 02:12	WG1907686
Vinyl chloride	U	J4	0.0273	0.100	1	08/09/2022 02:12	WG1907686
Xylenes, Total	U		0.191	0.260	1	08/09/2022 02:12	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 02:12	WG1907686
Tetrahydrofuran	U		0.0900	0.500	1	08/09/2022 02:12	WG1907686
Iodomethane	U		0.242	0.500	1	08/09/2022 02:12	WG1907686
Allyl chloride	U		0.580	1.00	1	08/09/2022 02:12	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 02:12	WG1907686
(S) Toluene-d8	106			75.0-131		08/09/2022 02:12	WG1907686
(S) 4-Bromofluorobenzene	106			67.0-138		08/09/2022 02:12	WG1907686
(S) 1,2-Dichloroethane-d4	94.3			70.0-130		08/09/2022 02:12	WG1907686

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

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		110	200	200	08/09/2022 04:26	WG1907686
Acrylonitrile	U		15.2	100	200	08/09/2022 04:26	WG1907686
Benzene	U		3.20	8.00	200	08/09/2022 04:26	WG1907686
Bromobenzene	U		8.40	100	200	08/09/2022 04:26	WG1907686
Bromodichloromethane	U		6.30	20.0	200	08/09/2022 04:26	WG1907686
Bromoform	U		47.8	200	200	08/09/2022 04:26	WG1907686
Bromomethane	U		29.6	100	200	08/09/2022 04:26	WG1907686
n-Butylbenzene	U		30.6	100	200	08/09/2022 04:26	WG1907686
sec-Butylbenzene	U		20.2	100	200	08/09/2022 04:26	WG1907686
tert-Butylbenzene	U		12.4	40.0	200	08/09/2022 04:26	WG1907686
Carbon tetrachloride	U		8.64	40.0	200	08/09/2022 04:26	WG1907686
Chlorobenzene	U		4.58	20.0	200	08/09/2022 04:26	WG1907686
Chlorodibromomethane	U		3.60	20.0	200	08/09/2022 04:26	WG1907686
Chloroethane	U		8.64	40.0	200	08/09/2022 04:26	WG1907686
Chloroform	U		3.32	20.0	200	08/09/2022 04:26	WG1907686
Chloromethane	U		11.1	100	200	08/09/2022 04:26	WG1907686
2-Chlorotoluene	U		7.36	20.0	200	08/09/2022 04:26	WG1907686
4-Chlorotoluene	U		9.04	40.0	200	08/09/2022 04:26	WG1907686
1,2-Dibromo-3-Chloropropane	U		40.8	200	200	08/09/2022 04:26	WG1907686
1,2-Dibromoethane	U		4.20	20.0	200	08/09/2022 04:26	WG1907686
Dibromomethane	U		8.00	40.0	200	08/09/2022 04:26	WG1907686
1,2-Dichlorobenzene	U		11.6	40.0	200	08/09/2022 04:26	WG1907686
1,3-Dichlorobenzene	U		13.6	40.0	200	08/09/2022 04:26	WG1907686
1,4-Dichlorobenzene	U		15.8	40.0	200	08/09/2022 04:26	WG1907686
Dichlorodifluoromethane	U		6.54	20.0	200	08/09/2022 04:26	WG1907686
1,1-Dichloroethane	U		4.60	20.0	200	08/09/2022 04:26	WG1907686
1,2-Dichloroethane	U		3.80	20.0	200	08/09/2022 04:26	WG1907686
1,1-Dichloroethene	16.0	J	4.00	20.0	200	08/09/2022 04:26	WG1907686
cis-1,2-Dichloroethene	4980		5.52	20.0	200	08/09/2022 04:26	WG1907686
trans-1,2-Dichloroethene	27.4	J	11.4	40.0	200	08/09/2022 04:26	WG1907686
1,2-Dichloropropane	U	J4	10.2	40.0	200	08/09/2022 04:26	WG1907686
1,1-Dichloropropene	U		5.60	20.0	200	08/09/2022 04:26	WG1907686
1,3-Dichloropropane	U		14.0	40.0	200	08/09/2022 04:26	WG1907686
cis-1,3-Dichloropropene	U		5.42	20.0	200	08/09/2022 04:26	WG1907686
trans-1,3-Dichloropropene	U		12.2	40.0	200	08/09/2022 04:26	WG1907686
2,2-Dichloropropane	U		6.34	20.0	200	08/09/2022 04:26	WG1907686
Di-isopropyl ether	U		2.80	8.00	200	08/09/2022 04:26	WG1907686
Ethylbenzene	U		4.24	20.0	200	08/09/2022 04:26	WG1907686
Hexachloro-1,3-butadiene	U		102	200	200	08/09/2022 04:26	WG1907686
Isopropylbenzene	U		6.90	20.0	200	08/09/2022 04:26	WG1907686
p-Isopropyltoluene	U		18.6	40.0	200	08/09/2022 04:26	WG1907686
2-Butanone (MEK)	U		100	200	200	08/09/2022 04:26	WG1907686
Methylene Chloride	U		53.0	200	200	08/09/2022 04:26	WG1907686
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	08/09/2022 04:26	WG1907686
Methyl tert-butyl ether	U		2.36	8.00	200	08/09/2022 04:26	WG1907686
Naphthalene	U		24.8	100	200	08/09/2022 04:26	WG1907686
n-Propylbenzene	U		9.44	40.0	200	08/09/2022 04:26	WG1907686
Styrene	U		21.8	100	200	08/09/2022 04:26	WG1907686
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	08/09/2022 04:26	WG1907686
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	08/09/2022 04:26	WG1907686
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	08/09/2022 04:26	WG1907686
Tetrachloroethene	6400		5.60	20.0	200	08/09/2022 04:26	WG1907686
Toluene	U		10.0	40.0	200	08/09/2022 04:26	WG1907686
1,2,3-Trichlorobenzene	U	C4	5.00	100	200	08/09/2022 04:26	WG1907686
1,2,4-Trichlorobenzene	U		38.6	100	200	08/09/2022 04:26	WG1907686
1,1,1-Trichloroethane	U		2.20	20.0	200	08/09/2022 04:26	WG1907686

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
1,1,2-Trichloroethane	U		7.06	20.0	200	08/09/2022 04:26	WG1907686
Trichloroethene	914	<u>C5</u>	3.20	8.00	200	08/09/2022 04:26	WG1907686
Trichlorofluoromethane	U		4.00	20.0	200	08/09/2022 04:26	WG1907686
1,2,3-Trichloropropane	U		40.8	100	200	08/09/2022 04:26	WG1907686
1,2,4-Trimethylbenzene	U		9.28	40.0	200	08/09/2022 04:26	WG1907686
1,2,3-Trimethylbenzene	U		9.20	40.0	200	08/09/2022 04:26	WG1907686
1,3,5-Trimethylbenzene	U		8.64	40.0	200	08/09/2022 04:26	WG1907686
Vinyl chloride	4660	<u>C5 J4</u>	5.46	20.0	200	08/09/2022 04:26	WG1907686
Xylenes, Total	U		38.2	52.0	200	08/09/2022 04:26	WG1907686
Ethyl Ether	U		3.40	20.0	200	08/09/2022 04:26	WG1907686
Tetrahydrofuran	U		18.0	100	200	08/09/2022 04:26	WG1907686
Iodomethane	U		48.4	100	200	08/09/2022 04:26	WG1907686
Allyl chloride	U		116	200	200	08/09/2022 04:26	WG1907686
Trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	08/09/2022 04:26	WG1907686
(S) Toluene-d8	103			75.0-131		08/09/2022 04:26	WG1907686
(S) 4-Bromofluorobenzene	105			67.0-138		08/09/2022 04:26	WG1907686
(S) 1,2-Dichloroethane-d4	106			70.0-130		08/09/2022 04:26	WG1907686

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

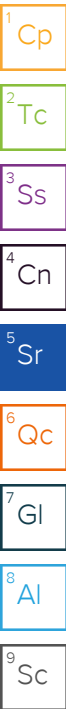
7
Gl

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		13.7	25.0	25	08/09/2022 04:45	WG1907686
Acrylonitrile	U		1.90	12.5	25	08/09/2022 04:45	WG1907686
Benzene	U		0.400	1.00	25	08/09/2022 04:45	WG1907686
Bromobenzene	U		1.05	12.5	25	08/09/2022 04:45	WG1907686
Bromodichloromethane	U		0.788	2.50	25	08/09/2022 04:45	WG1907686
Bromoform	U		5.98	25.0	25	08/09/2022 04:45	WG1907686
Bromomethane	U		3.70	12.5	25	08/09/2022 04:45	WG1907686
n-Butylbenzene	U		3.83	12.5	25	08/09/2022 04:45	WG1907686
sec-Butylbenzene	U		2.53	12.5	25	08/09/2022 04:45	WG1907686
tert-Butylbenzene	U		1.55	5.00	25	08/09/2022 04:45	WG1907686
Carbon tetrachloride	U		1.08	5.00	25	08/09/2022 04:45	WG1907686
Chlorobenzene	U		0.573	2.50	25	08/09/2022 04:45	WG1907686
Chlorodibromomethane	U		0.450	2.50	25	08/09/2022 04:45	WG1907686
Chloroethane	12.5	C5	1.08	5.00	25	08/09/2022 04:45	WG1907686
Chloroform	U		0.415	2.50	25	08/09/2022 04:45	WG1907686
Chloromethane	U		1.39	12.5	25	08/09/2022 04:45	WG1907686
2-Chlorotoluene	U		0.920	2.50	25	08/09/2022 04:45	WG1907686
4-Chlorotoluene	U		1.13	5.00	25	08/09/2022 04:45	WG1907686
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	08/09/2022 04:45	WG1907686
1,2-Dibromoethane	U		0.525	2.50	25	08/09/2022 04:45	WG1907686
Dibromomethane	U		1.00	5.00	25	08/09/2022 04:45	WG1907686
1,2-Dichlorobenzene	U		1.45	5.00	25	08/09/2022 04:45	WG1907686
1,3-Dichlorobenzene	U		1.70	5.00	25	08/09/2022 04:45	WG1907686
1,4-Dichlorobenzene	U		1.97	5.00	25	08/09/2022 04:45	WG1907686
Dichlorodifluoromethane	U		0.818	2.50	25	08/09/2022 04:45	WG1907686
1,1-Dichloroethane	U		0.575	2.50	25	08/09/2022 04:45	WG1907686
1,2-Dichloroethane	U		0.475	2.50	25	08/09/2022 04:45	WG1907686
1,1-Dichloroethene	4.60	C5	0.500	2.50	25	08/09/2022 04:45	WG1907686
cis-1,2-Dichloroethene	1750		0.690	2.50	25	08/09/2022 04:45	WG1907686
trans-1,2-Dichloroethene	12.0		1.43	5.00	25	08/09/2022 04:45	WG1907686
1,2-Dichloropropane	U	J4	1.27	5.00	25	08/09/2022 04:45	WG1907686
1,1-Dichloropropene	U		0.700	2.50	25	08/09/2022 04:45	WG1907686
1,3-Dichloropropane	U		1.75	5.00	25	08/09/2022 04:45	WG1907686
cis-1,3-Dichloropropene	U		0.678	2.50	25	08/09/2022 04:45	WG1907686
trans-1,3-Dichloropropene	U		1.53	5.00	25	08/09/2022 04:45	WG1907686
2,2-Dichloropropane	U		0.793	2.50	25	08/09/2022 04:45	WG1907686
Di-isopropyl ether	U		0.350	1.00	25	08/09/2022 04:45	WG1907686
Ethylbenzene	U		0.530	2.50	25	08/09/2022 04:45	WG1907686
Hexachloro-1,3-butadiene	U		12.7	25.0	25	08/09/2022 04:45	WG1907686
Isopropylbenzene	U		0.863	2.50	25	08/09/2022 04:45	WG1907686
p-Isopropyltoluene	U		2.33	5.00	25	08/09/2022 04:45	WG1907686
2-Butanone (MEK)	U		12.5	25.0	25	08/09/2022 04:45	WG1907686
Methylene Chloride	U		6.63	25.0	25	08/09/2022 04:45	WG1907686
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	08/09/2022 04:45	WG1907686
Methyl tert-butyl ether	U		0.295	1.00	25	08/09/2022 04:45	WG1907686
Naphthalene	U		3.10	12.5	25	08/09/2022 04:45	WG1907686
n-Propylbenzene	U		1.18	5.00	25	08/09/2022 04:45	WG1907686
Styrene	U		2.73	12.5	25	08/09/2022 04:45	WG1907686
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	08/09/2022 04:45	WG1907686
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	08/09/2022 04:45	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	08/09/2022 04:45	WG1907686
Tetrachloroethene	4.43		0.700	2.50	25	08/09/2022 04:45	WG1907686
Toluene	U		1.25	5.00	25	08/09/2022 04:45	WG1907686
1,2,3-Trichlorobenzene	U	C4	0.625	12.5	25	08/09/2022 04:45	WG1907686
1,2,4-Trichlorobenzene	U		4.83	12.5	25	08/09/2022 04:45	WG1907686
1,1,1-Trichloroethane	U		0.275	2.50	25	08/09/2022 04:45	WG1907686



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		0.883	2.50	25	08/09/2022 04:45	WG1907686
Trichloroethene	17.6	<u>C5</u>	0.400	1.00	25	08/09/2022 04:45	WG1907686
Trichlorofluoromethane	U		0.500	2.50	25	08/09/2022 04:45	WG1907686
1,2,3-Trichloropropane	U		5.10	12.5	25	08/09/2022 04:45	WG1907686
1,2,4-Trimethylbenzene	U		1.16	5.00	25	08/09/2022 04:45	WG1907686
1,2,3-Trimethylbenzene	U		1.15	5.00	25	08/09/2022 04:45	WG1907686
1,3,5-Trimethylbenzene	U		1.08	5.00	25	08/09/2022 04:45	WG1907686
Vinyl chloride	994		2.73	10.0	100	08/18/2022 12:28	WG1911561
Xylenes, Total	U		4.78	6.50	25	08/09/2022 04:45	WG1907686
Ethyl Ether	U		0.425	2.50	25	08/09/2022 04:45	WG1907686
Tetrahydrofuran	U		2.25	12.5	25	08/09/2022 04:45	WG1907686
Iodomethane	U		6.05	12.5	25	08/09/2022 04:45	WG1907686
Allyl chloride	U		14.5	25.0	25	08/09/2022 04:45	WG1907686
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	08/09/2022 04:45	WG1907686
(S) Toluene-d8	102			75.0-131		08/09/2022 04:45	WG1907686
(S) Toluene-d8	110			75.0-131		08/18/2022 12:28	WG1911561
(S) 4-Bromofluorobenzene	107			67.0-138		08/09/2022 04:45	WG1907686
(S) 4-Bromofluorobenzene	105			67.0-138		08/18/2022 12:28	WG1911561
(S) 1,2-Dichloroethane-d4	109			70.0-130		08/09/2022 04:45	WG1907686
(S) 1,2-Dichloroethane-d4	85.2			70.0-130		08/18/2022 12:28	WG1911561

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Cp

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Tc

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Gl

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Al

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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		110	200	200	08/09/2022 05:04	WG1907686
Acrylonitrile	U		15.2	100	200	08/09/2022 05:04	WG1907686
Benzene	U		3.20	8.00	200	08/09/2022 05:04	WG1907686
Bromobenzene	U		8.40	100	200	08/09/2022 05:04	WG1907686
Bromodichloromethane	U		6.30	20.0	200	08/09/2022 05:04	WG1907686
Bromoform	U		47.8	200	200	08/09/2022 05:04	WG1907686
Bromomethane	U		29.6	100	200	08/09/2022 05:04	WG1907686
n-Butylbenzene	U		30.6	100	200	08/09/2022 05:04	WG1907686
sec-Butylbenzene	U		20.2	100	200	08/09/2022 05:04	WG1907686
tert-Butylbenzene	U		12.4	40.0	200	08/09/2022 05:04	WG1907686
Carbon tetrachloride	U		8.64	40.0	200	08/09/2022 05:04	WG1907686
Chlorobenzene	U		4.58	20.0	200	08/09/2022 05:04	WG1907686
Chlorodibromomethane	U		3.60	20.0	200	08/09/2022 05:04	WG1907686
Chloroethane	U		8.64	40.0	200	08/09/2022 05:04	WG1907686
Chloroform	U		3.32	20.0	200	08/09/2022 05:04	WG1907686
Chloromethane	U		11.1	100	200	08/09/2022 05:04	WG1907686
2-Chlorotoluene	U		7.36	20.0	200	08/09/2022 05:04	WG1907686
4-Chlorotoluene	U		9.04	40.0	200	08/09/2022 05:04	WG1907686
1,2-Dibromo-3-Chloropropane	U		40.8	200	200	08/09/2022 05:04	WG1907686
1,2-Dibromoethane	U		4.20	20.0	200	08/09/2022 05:04	WG1907686
Dibromomethane	U		8.00	40.0	200	08/09/2022 05:04	WG1907686
1,2-Dichlorobenzene	U		11.6	40.0	200	08/09/2022 05:04	WG1907686
1,3-Dichlorobenzene	U		13.6	40.0	200	08/09/2022 05:04	WG1907686
1,4-Dichlorobenzene	U		15.8	40.0	200	08/09/2022 05:04	WG1907686
Dichlorodifluoromethane	U		6.54	20.0	200	08/09/2022 05:04	WG1907686
1,1-Dichloroethane	U		4.60	20.0	200	08/09/2022 05:04	WG1907686
1,2-Dichloroethane	U		3.80	20.0	200	08/09/2022 05:04	WG1907686
1,1-Dichloroethene	13.0	J	4.00	20.0	200	08/09/2022 05:04	WG1907686
cis-1,2-Dichloroethene	15600		5.52	20.0	200	08/09/2022 05:04	WG1907686
trans-1,2-Dichloroethene	94.4		11.4	40.0	200	08/09/2022 05:04	WG1907686
1,2-Dichloropropane	U	J4	10.2	40.0	200	08/09/2022 05:04	WG1907686
1,1-Dichloropropene	U		5.60	20.0	200	08/09/2022 05:04	WG1907686
1,3-Dichloropropane	U		14.0	40.0	200	08/09/2022 05:04	WG1907686
cis-1,3-Dichloropropene	U		5.42	20.0	200	08/09/2022 05:04	WG1907686
trans-1,3-Dichloropropene	U		12.2	40.0	200	08/09/2022 05:04	WG1907686
2,2-Dichloropropane	U		6.34	20.0	200	08/09/2022 05:04	WG1907686
Di-isopropyl ether	U		2.80	8.00	200	08/09/2022 05:04	WG1907686
Ethylbenzene	U		4.24	20.0	200	08/09/2022 05:04	WG1907686
Hexachloro-1,3-butadiene	U		102	200	200	08/09/2022 05:04	WG1907686
Isopropylbenzene	U		6.90	20.0	200	08/09/2022 05:04	WG1907686
p-Isopropyltoluene	U		18.6	40.0	200	08/09/2022 05:04	WG1907686
2-Butanone (MEK)	U		100	200	200	08/09/2022 05:04	WG1907686
Methylene Chloride	U		53.0	200	200	08/09/2022 05:04	WG1907686
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	08/09/2022 05:04	WG1907686
Methyl tert-butyl ether	U		2.36	8.00	200	08/09/2022 05:04	WG1907686
Naphthalene	U		24.8	100	200	08/09/2022 05:04	WG1907686
n-Propylbenzene	U		9.44	40.0	200	08/09/2022 05:04	WG1907686
Styrene	U		21.8	100	200	08/09/2022 05:04	WG1907686
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	08/09/2022 05:04	WG1907686
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	08/09/2022 05:04	WG1907686
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	08/09/2022 05:04	WG1907686
Tetrachloroethene	19.6	J	5.60	20.0	200	08/09/2022 05:04	WG1907686
Toluene	U		10.0	40.0	200	08/09/2022 05:04	WG1907686
1,2,3-Trichlorobenzene	U	C4	5.00	100	200	08/09/2022 05:04	WG1907686
1,2,4-Trichlorobenzene	U		38.6	100	200	08/09/2022 05:04	WG1907686
1,1,1-Trichloroethane	U		2.20	20.0	200	08/09/2022 05:04	WG1907686

1 Cp

2 Tc

3 Ss

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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
1,1,2-Trichloroethane	U		7.06	20.0	200	08/09/2022 05:04	WG1907686
Trichloroethene	14.8	C5	3.20	8.00	200	08/09/2022 05:04	WG1907686
Trichlorofluoromethane	U		4.00	20.0	200	08/09/2022 05:04	WG1907686
1,2,3-Trichloropropane	U		40.8	100	200	08/09/2022 05:04	WG1907686
1,2,4-Trimethylbenzene	U		9.28	40.0	200	08/09/2022 05:04	WG1907686
1,2,3-Trimethylbenzene	U		9.20	40.0	200	08/09/2022 05:04	WG1907686
1,3,5-Trimethylbenzene	U		8.64	40.0	200	08/09/2022 05:04	WG1907686
Vinyl chloride	12700	C5 J4	5.46	20.0	200	08/09/2022 05:04	WG1907686
Xylenes, Total	U		38.2	52.0	200	08/09/2022 05:04	WG1907686
Ethyl Ether	U		3.40	20.0	200	08/09/2022 05:04	WG1907686
Tetrahydrofuran	U		18.0	100	200	08/09/2022 05:04	WG1907686
Iodomethane	U		48.4	100	200	08/09/2022 05:04	WG1907686
Allyl chloride	U		116	200	200	08/09/2022 05:04	WG1907686
Trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	08/09/2022 05:04	WG1907686
(S) Toluene-d8	101			75.0-131		08/09/2022 05:04	WG1907686
(S) 4-Bromofluorobenzene	106			67.0-138		08/09/2022 05:04	WG1907686
(S) 1,2-Dichloroethane-d4	112			70.0-130		08/09/2022 05:04	WG1907686

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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		27.4	50.0	50	08/09/2022 05:23	WG1907686
Acrylonitrile	U		3.80	25.0	50	08/09/2022 05:23	WG1907686
Benzene	U		0.800	2.00	50	08/09/2022 05:23	WG1907686
Bromobenzene	U		2.10	25.0	50	08/09/2022 05:23	WG1907686
Bromodichloromethane	U		1.58	5.00	50	08/09/2022 05:23	WG1907686
Bromoform	U		12.0	50.0	50	08/09/2022 05:23	WG1907686
Bromomethane	U		7.40	25.0	50	08/09/2022 05:23	WG1907686
n-Butylbenzene	U		7.65	25.0	50	08/09/2022 05:23	WG1907686
sec-Butylbenzene	U		5.05	25.0	50	08/09/2022 05:23	WG1907686
tert-Butylbenzene	U		3.10	10.0	50	08/09/2022 05:23	WG1907686
Carbon tetrachloride	U		2.16	10.0	50	08/09/2022 05:23	WG1907686
Chlorobenzene	U		1.15	5.00	50	08/09/2022 05:23	WG1907686
Chlorodibromomethane	U		0.900	5.00	50	08/09/2022 05:23	WG1907686
Chloroethane	51.0	<u>C5</u>	2.16	10.0	50	08/09/2022 05:23	WG1907686
Chloroform	U		0.830	5.00	50	08/09/2022 05:23	WG1907686
Chloromethane	U		2.78	25.0	50	08/09/2022 05:23	WG1907686
2-Chlorotoluene	U		1.84	5.00	50	08/09/2022 05:23	WG1907686
4-Chlorotoluene	U		2.26	10.0	50	08/09/2022 05:23	WG1907686
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	08/09/2022 05:23	WG1907686
1,2-Dibromoethane	U		1.05	5.00	50	08/09/2022 05:23	WG1907686
Dibromomethane	U		2.00	10.0	50	08/09/2022 05:23	WG1907686
1,2-Dichlorobenzene	U		2.90	10.0	50	08/09/2022 05:23	WG1907686
1,3-Dichlorobenzene	U		3.40	10.0	50	08/09/2022 05:23	WG1907686
1,4-Dichlorobenzene	U		3.94	10.0	50	08/09/2022 05:23	WG1907686
Dichlorodifluoromethane	U		1.64	5.00	50	08/09/2022 05:23	WG1907686
1,1-Dichloroethane	U		1.15	5.00	50	08/09/2022 05:23	WG1907686
1,2-Dichloroethane	U		0.950	5.00	50	08/09/2022 05:23	WG1907686
1,1-Dichloroethene	5.70	<u>C5</u>	1.00	5.00	50	08/09/2022 05:23	WG1907686
cis-1,2-Dichloroethene	912		1.38	5.00	50	08/09/2022 05:23	WG1907686
trans-1,2-Dichloroethene	6.25	<u>J</u>	2.86	10.0	50	08/09/2022 05:23	WG1907686
1,2-Dichloropropane	U	<u>J4</u>	2.54	10.0	50	08/09/2022 05:23	WG1907686
1,1-Dichloropropene	U		1.40	5.00	50	08/09/2022 05:23	WG1907686
1,3-Dichloropropane	U		3.50	10.0	50	08/09/2022 05:23	WG1907686
cis-1,3-Dichloropropene	U		1.36	5.00	50	08/09/2022 05:23	WG1907686
trans-1,3-Dichloropropene	U		3.06	10.0	50	08/09/2022 05:23	WG1907686
2,2-Dichloropropane	U		1.59	5.00	50	08/09/2022 05:23	WG1907686
Di-isopropyl ether	U		0.700	2.00	50	08/09/2022 05:23	WG1907686
Ethylbenzene	U		1.06	5.00	50	08/09/2022 05:23	WG1907686
Hexachloro-1,3-butadiene	U		25.4	50.0	50	08/09/2022 05:23	WG1907686
Isopropylbenzene	U		1.73	5.00	50	08/09/2022 05:23	WG1907686
p-Isopropyltoluene	U		4.66	10.0	50	08/09/2022 05:23	WG1907686
2-Butanone (MEK)	U		25.0	50.0	50	08/09/2022 05:23	WG1907686
Methylene Chloride	U		13.3	50.0	50	08/09/2022 05:23	WG1907686
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	08/09/2022 05:23	WG1907686
Methyl tert-butyl ether	U		0.590	2.00	50	08/09/2022 05:23	WG1907686
Naphthalene	U		6.20	25.0	50	08/09/2022 05:23	WG1907686
n-Propylbenzene	U		2.36	10.0	50	08/09/2022 05:23	WG1907686
Styrene	U		5.45	25.0	50	08/09/2022 05:23	WG1907686
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	08/09/2022 05:23	WG1907686
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	08/09/2022 05:23	WG1907686
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	08/09/2022 05:23	WG1907686
Tetrachloroethene	7.55		1.40	5.00	50	08/09/2022 05:23	WG1907686
Toluene	U		2.50	10.0	50	08/09/2022 05:23	WG1907686
1,2,3-Trichlorobenzene	U	<u>C4</u>	1.25	25.0	50	08/09/2022 05:23	WG1907686
1,2,4-Trichlorobenzene	U		9.65	25.0	50	08/09/2022 05:23	WG1907686
1,1,1-Trichloroethane	U		0.550	5.00	50	08/09/2022 05:23	WG1907686

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
1,1,2-Trichloroethane	U		1.77	5.00	50	08/09/2022 05:23	WG1907686
Trichloroethene	4.50	<u>C5</u>	0.800	2.00	50	08/09/2022 05:23	WG1907686
Trichlorofluoromethane	U		1.00	5.00	50	08/09/2022 05:23	WG1907686
1,2,3-Trichloropropane	U		10.2	25.0	50	08/09/2022 05:23	WG1907686
1,2,4-Trimethylbenzene	U		2.32	10.0	50	08/09/2022 05:23	WG1907686
1,2,3-Trimethylbenzene	U		2.30	10.0	50	08/09/2022 05:23	WG1907686
1,3,5-Trimethylbenzene	U		2.16	10.0	50	08/09/2022 05:23	WG1907686
Vinyl chloride	2990	<u>C5 J4</u>	1.36	5.00	50	08/09/2022 05:23	WG1907686
Xylenes, Total	U		9.55	13.0	50	08/09/2022 05:23	WG1907686
Ethyl Ether	U		0.850	5.00	50	08/09/2022 05:23	WG1907686
Tetrahydrofuran	11.9	<u>J</u>	4.50	25.0	50	08/09/2022 05:23	WG1907686
Iodomethane	U		12.1	25.0	50	08/09/2022 05:23	WG1907686
Allyl chloride	U		29.0	50.0	50	08/09/2022 05:23	WG1907686
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	08/09/2022 05:23	WG1907686
(S) Toluene-d8	102			75.0-131		08/09/2022 05:23	WG1907686
(S) 4-Bromofluorobenzene	106			67.0-138		08/09/2022 05:23	WG1907686
(S) 1,2-Dichloroethane-d4	114			70.0-130		08/09/2022 05:23	WG1907686

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	2.76		0.548	1.00	1	08/09/2022 02:31	WG1907686
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 02:31	WG1907686
Benzene	U		0.0160	0.0400	1	08/09/2022 02:31	WG1907686
Bromobenzene	U		0.0420	0.500	1	08/09/2022 02:31	WG1907686
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 02:31	WG1907686
Bromoform	U		0.239	1.00	1	08/09/2022 02:31	WG1907686
Bromomethane	U		0.148	0.500	1	08/09/2022 02:31	WG1907686
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 02:31	WG1907686
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 02:31	WG1907686
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 02:31	WG1907686
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 02:31	WG1907686
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 02:31	WG1907686
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 02:31	WG1907686
Chloroethane	U		0.0432	0.200	1	08/09/2022 02:31	WG1907686
Chloroform	U		0.0166	0.100	1	08/09/2022 02:31	WG1907686
Chloromethane	U		0.0556	0.500	1	08/09/2022 02:31	WG1907686
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 02:31	WG1907686
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 02:31	WG1907686
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 02:31	WG1907686
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 02:31	WG1907686
Dibromomethane	U		0.0400	0.200	1	08/09/2022 02:31	WG1907686
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 02:31	WG1907686
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 02:31	WG1907686
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 02:31	WG1907686
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 02:31	WG1907686
1,1-Dichloroethane	U		0.0230	0.100	1	08/09/2022 02:31	WG1907686
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 02:31	WG1907686
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 02:31	WG1907686
cis-1,2-Dichloroethene	0.343		0.0276	0.100	1	08/09/2022 02:31	WG1907686
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/09/2022 02:31	WG1907686
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/09/2022 02:31	WG1907686
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 02:31	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 02:31	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 02:31	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 02:31	WG1907686
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 02:31	WG1907686
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 02:31	WG1907686
Ethylbenzene	U		0.0212	0.100	1	08/09/2022 02:31	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 02:31	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 02:31	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 02:31	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 02:31	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/09/2022 02:31	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 02:31	WG1907686
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 02:31	WG1907686
Naphthalene	U		0.124	0.500	1	08/09/2022 02:31	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 02:31	WG1907686
Styrene	U		0.109	0.500	1	08/09/2022 02:31	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 02:31	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 02:31	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 02:31	WG1907686
Tetrachloroethene	0.104		0.0280	0.100	1	08/09/2022 02:31	WG1907686
Toluene	U		0.0500	0.200	1	08/09/2022 02:31	WG1907686
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/09/2022 02:31	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 02:31	WG1907686
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 02:31	WG1907686

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 02:31	WG1907686
Trichloroethene	0.0310	J	0.0160	0.0400	1	08/09/2022 02:31	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 02:31	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 02:31	WG1907686
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 02:31	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 02:31	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 02:31	WG1907686
Vinyl chloride	0.333	C5 J4	0.0273	0.100	1	08/09/2022 02:31	WG1907686
Xylenes, Total	U		0.191	0.260	1	08/09/2022 02:31	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 02:31	WG1907686
Tetrahydrofuran	0.434	J	0.0900	0.500	1	08/09/2022 02:31	WG1907686
Iodomethane	U		0.242	0.500	1	08/09/2022 02:31	WG1907686
Allyl chloride	U		0.580	1.00	1	08/09/2022 02:31	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 02:31	WG1907686
(S) Toluene-d8	103			75.0-131		08/09/2022 02:31	WG1907686
(S) 4-Bromofluorobenzene	103			67.0-138		08/09/2022 02:31	WG1907686
(S) 1,2-Dichloroethane-d4	98.2			70.0-130		08/09/2022 02:31	WG1907686

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
Acetone	U		0.548	1.00	1	08/09/2022 02:50	WG1907686
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 02:50	WG1907686
Benzene	0.136		0.0160	0.0400	1	08/09/2022 02:50	WG1907686
Bromobenzene	U		0.0420	0.500	1	08/09/2022 02:50	WG1907686
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 02:50	WG1907686
Bromoform	U		0.239	1.00	1	08/09/2022 02:50	WG1907686
Bromomethane	U		0.148	0.500	1	08/09/2022 02:50	WG1907686
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 02:50	WG1907686
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 02:50	WG1907686
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 02:50	WG1907686
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 02:50	WG1907686
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 02:50	WG1907686
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 02:50	WG1907686
Chloroethane	U		0.0432	0.200	1	08/09/2022 02:50	WG1907686
Chloroform	U		0.0166	0.100	1	08/09/2022 02:50	WG1907686
Chloromethane	U		0.0556	0.500	1	08/09/2022 02:50	WG1907686
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 02:50	WG1907686
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 02:50	WG1907686
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 02:50	WG1907686
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 02:50	WG1907686
Dibromomethane	U		0.0400	0.200	1	08/09/2022 02:50	WG1907686
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 02:50	WG1907686
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 02:50	WG1907686
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 02:50	WG1907686
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 02:50	WG1907686
1,1-Dichloroethane	U		0.0230	0.100	1	08/09/2022 02:50	WG1907686
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 02:50	WG1907686
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 02:50	WG1907686
cis-1,2-Dichloroethene	0.281		0.0276	0.100	1	08/09/2022 02:50	WG1907686
trans-1,2-Dichloroethene	0.0930	J	0.0572	0.200	1	08/09/2022 02:50	WG1907686
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/09/2022 02:50	WG1907686
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 02:50	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 02:50	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 02:50	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 02:50	WG1907686
2,2-Dichloropropane	0.0760	J	0.0317	0.100	1	08/09/2022 02:50	WG1907686
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 02:50	WG1907686
Ethylbenzene	0.0300	J	0.0212	0.100	1	08/09/2022 02:50	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 02:50	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 02:50	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 02:50	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 02:50	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/09/2022 02:50	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 02:50	WG1907686
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 02:50	WG1907686
Naphthalene	U		0.124	0.500	1	08/09/2022 02:50	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 02:50	WG1907686
Styrene	U		0.109	0.500	1	08/09/2022 02:50	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 02:50	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 02:50	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 02:50	WG1907686
Tetrachloroethene	U		0.0280	0.100	1	08/09/2022 02:50	WG1907686
Toluene	0.102	J	0.0500	0.200	1	08/09/2022 02:50	WG1907686
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/09/2022 02:50	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 02:50	WG1907686
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 02:50	WG1907686

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 02:50	WG1907686
Trichloroethene	0.125	C5	0.0160	0.0400	1	08/09/2022 02:50	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 02:50	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 02:50	WG1907686
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 02:50	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 02:50	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 02:50	WG1907686
Vinyl chloride	0.680	C5 J4	0.0273	0.100	1	08/09/2022 02:50	WG1907686
Xylenes, Total	U		0.191	0.260	1	08/09/2022 02:50	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 02:50	WG1907686
Tetrahydrofuran	0.829		0.0900	0.500	1	08/09/2022 02:50	WG1907686
Iodomethane	U		0.242	0.500	1	08/09/2022 02:50	WG1907686
Allyl chloride	U		0.580	1.00	1	08/09/2022 02:50	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 02:50	WG1907686
(S) Toluene-d8	104			75.0-131		08/09/2022 02:50	WG1907686
(S) 4-Bromofluorobenzene	104			67.0-138		08/09/2022 02:50	WG1907686
(S) 1,2-Dichloroethane-d4	93.1			70.0-130		08/09/2022 02:50	WG1907686

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
Acetone	3.88		0.548	1.00	1	08/09/2022 03:09	WG1907686
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 03:09	WG1907686
Benzene	0.0330	J	0.0160	0.0400	1	08/09/2022 03:09	WG1907686
Bromobenzene	U		0.0420	0.500	1	08/09/2022 03:09	WG1907686
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 03:09	WG1907686
Bromoform	U		0.239	1.00	1	08/09/2022 03:09	WG1907686
Bromomethane	U		0.148	0.500	1	08/09/2022 03:09	WG1907686
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 03:09	WG1907686
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 03:09	WG1907686
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 03:09	WG1907686
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 03:09	WG1907686
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 03:09	WG1907686
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 03:09	WG1907686
Chloroethane	U		0.0432	0.200	1	08/09/2022 03:09	WG1907686
Chloroform	U		0.0166	0.100	1	08/09/2022 03:09	WG1907686
Chloromethane	U		0.0556	0.500	1	08/09/2022 03:09	WG1907686
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 03:09	WG1907686
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 03:09	WG1907686
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 03:09	WG1907686
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 03:09	WG1907686
Dibromomethane	U		0.0400	0.200	1	08/09/2022 03:09	WG1907686
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 03:09	WG1907686
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 03:09	WG1907686
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 03:09	WG1907686
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 03:09	WG1907686
1,1-Dichloroethane	U		0.0230	0.100	1	08/09/2022 03:09	WG1907686
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 03:09	WG1907686
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 03:09	WG1907686
cis-1,2-Dichloroethene	0.103		0.0276	0.100	1	08/09/2022 03:09	WG1907686
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/09/2022 03:09	WG1907686
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/09/2022 03:09	WG1907686
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 03:09	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 03:09	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 03:09	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 03:09	WG1907686
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 03:09	WG1907686
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 03:09	WG1907686
Ethylbenzene	0.0660	J	0.0212	0.100	1	08/09/2022 03:09	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 03:09	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 03:09	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 03:09	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 03:09	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/09/2022 03:09	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 03:09	WG1907686
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 03:09	WG1907686
Naphthalene	0.270	J	0.124	0.500	1	08/09/2022 03:09	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 03:09	WG1907686
Styrene	U		0.109	0.500	1	08/09/2022 03:09	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 03:09	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 03:09	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 03:09	WG1907686
Tetrachloroethene	U		0.0280	0.100	1	08/09/2022 03:09	WG1907686
Toluene	0.317		0.0500	0.200	1	08/09/2022 03:09	WG1907686
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/09/2022 03:09	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 03:09	WG1907686
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 03:09	WG1907686

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 03:09	WG1907686
Trichloroethene	U		0.0160	0.0400	1	08/09/2022 03:09	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 03:09	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 03:09	WG1907686
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 03:09	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 03:09	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 03:09	WG1907686
Vinyl chloride	0.617	C5 J4	0.0273	0.100	1	08/09/2022 03:09	WG1907686
Xylenes, Total	0.458		0.191	0.260	1	08/09/2022 03:09	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 03:09	WG1907686
Tetrahydrofuran	1.17		0.0900	0.500	1	08/09/2022 03:09	WG1907686
Iodomethane	U		0.242	0.500	1	08/09/2022 03:09	WG1907686
Allyl chloride	U		0.580	1.00	1	08/09/2022 03:09	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 03:09	WG1907686
(S) Toluene-d8	102			75.0-131		08/09/2022 03:09	WG1907686
(S) 4-Bromofluorobenzene	103			67.0-138		08/09/2022 03:09	WG1907686
(S) 1,2-Dichloroethane-d4	95.7			70.0-130		08/09/2022 03:09	WG1907686

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	08/09/2022 03:28	WG1907686
Acrylonitrile	U		0.0760	0.500	1	08/09/2022 03:28	WG1907686
Benzene	0.0560		0.0160	0.0400	1	08/09/2022 03:28	WG1907686
Bromobenzene	U		0.0420	0.500	1	08/09/2022 03:28	WG1907686
Bromodichloromethane	U		0.0315	0.100	1	08/09/2022 03:28	WG1907686
Bromoform	U		0.239	1.00	1	08/09/2022 03:28	WG1907686
Bromomethane	U		0.148	0.500	1	08/09/2022 03:28	WG1907686
n-Butylbenzene	U		0.153	0.500	1	08/09/2022 03:28	WG1907686
sec-Butylbenzene	U		0.101	0.500	1	08/09/2022 03:28	WG1907686
tert-Butylbenzene	U		0.0620	0.200	1	08/09/2022 03:28	WG1907686
Carbon tetrachloride	U		0.0432	0.200	1	08/09/2022 03:28	WG1907686
Chlorobenzene	U		0.0229	0.100	1	08/09/2022 03:28	WG1907686
Chlorodibromomethane	U		0.0180	0.100	1	08/09/2022 03:28	WG1907686
Chloroethane	U		0.0432	0.200	1	08/09/2022 03:28	WG1907686
Chloroform	U		0.0166	0.100	1	08/09/2022 03:28	WG1907686
Chloromethane	U		0.0556	0.500	1	08/09/2022 03:28	WG1907686
2-Chlorotoluene	U		0.0368	0.100	1	08/09/2022 03:28	WG1907686
4-Chlorotoluene	U		0.0452	0.200	1	08/09/2022 03:28	WG1907686
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/09/2022 03:28	WG1907686
1,2-Dibromoethane	U		0.0210	0.100	1	08/09/2022 03:28	WG1907686
Dibromomethane	U		0.0400	0.200	1	08/09/2022 03:28	WG1907686
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/09/2022 03:28	WG1907686
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/09/2022 03:28	WG1907686
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/09/2022 03:28	WG1907686
Dichlorodifluoromethane	U		0.0327	0.100	1	08/09/2022 03:28	WG1907686
1,1-Dichloroethane	U		0.0230	0.100	1	08/09/2022 03:28	WG1907686
1,2-Dichloroethane	U		0.0190	0.100	1	08/09/2022 03:28	WG1907686
1,1-Dichloroethene	U		0.0200	0.100	1	08/09/2022 03:28	WG1907686
cis-1,2-Dichloroethene	0.281		0.0276	0.100	1	08/09/2022 03:28	WG1907686
trans-1,2-Dichloroethene	0.757		0.0572	0.200	1	08/09/2022 03:28	WG1907686
1,2-Dichloropropane	U	J4	0.0508	0.200	1	08/09/2022 03:28	WG1907686
1,1-Dichloropropene	U		0.0280	0.100	1	08/09/2022 03:28	WG1907686
1,3-Dichloropropane	U		0.0700	0.200	1	08/09/2022 03:28	WG1907686
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/09/2022 03:28	WG1907686
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/09/2022 03:28	WG1907686
2,2-Dichloropropane	U		0.0317	0.100	1	08/09/2022 03:28	WG1907686
Di-isopropyl ether	U		0.0140	0.0400	1	08/09/2022 03:28	WG1907686
Ethylbenzene	U		0.0212	0.100	1	08/09/2022 03:28	WG1907686
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/09/2022 03:28	WG1907686
Isopropylbenzene	U		0.0345	0.100	1	08/09/2022 03:28	WG1907686
p-Isopropyltoluene	U		0.0932	0.200	1	08/09/2022 03:28	WG1907686
2-Butanone (MEK)	U		0.500	1.00	1	08/09/2022 03:28	WG1907686
Methylene Chloride	U		0.265	1.00	1	08/09/2022 03:28	WG1907686
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/09/2022 03:28	WG1907686
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/09/2022 03:28	WG1907686
Naphthalene	U		0.124	0.500	1	08/09/2022 03:28	WG1907686
n-Propylbenzene	U		0.0472	0.200	1	08/09/2022 03:28	WG1907686
Styrene	U		0.109	0.500	1	08/09/2022 03:28	WG1907686
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/09/2022 03:28	WG1907686
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/09/2022 03:28	WG1907686
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/09/2022 03:28	WG1907686
Tetrachloroethene	0.498		0.0280	0.100	1	08/09/2022 03:28	WG1907686
Toluene	0.0600	J	0.0500	0.200	1	08/09/2022 03:28	WG1907686
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/09/2022 03:28	WG1907686
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/09/2022 03:28	WG1907686
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/09/2022 03:28	WG1907686

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/09/2022 03:28	WG1907686
Trichloroethene	0.143	C5	0.0160	0.0400	1	08/09/2022 03:28	WG1907686
Trichlorofluoromethane	U		0.0200	0.100	1	08/09/2022 03:28	WG1907686
1,2,3-Trichloropropane	U		0.204	0.500	1	08/09/2022 03:28	WG1907686
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/09/2022 03:28	WG1907686
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/09/2022 03:28	WG1907686
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/09/2022 03:28	WG1907686
Vinyl chloride	7.63	C5 J4	0.0273	0.100	1	08/09/2022 03:28	WG1907686
Xylenes, Total	U		0.191	0.260	1	08/09/2022 03:28	WG1907686
Ethyl Ether	U		0.0170	0.100	1	08/09/2022 03:28	WG1907686
Tetrahydrofuran	0.994		0.0900	0.500	1	08/09/2022 03:28	WG1907686
Iodomethane	U		0.242	0.500	1	08/09/2022 03:28	WG1907686
Allyl chloride	U		0.580	1.00	1	08/09/2022 03:28	WG1907686
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/09/2022 03:28	WG1907686
(S) Toluene-d8	105			75.0-131		08/09/2022 03:28	WG1907686
(S) 4-Bromofluorobenzene	104			67.0-138		08/09/2022 03:28	WG1907686
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		08/09/2022 03:28	WG1907686

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		548	1000	1000	08/09/2022 05:42	WG1907686
Acrylonitrile	U		76.0	500	1000	08/09/2022 05:42	WG1907686
Benzene	U		16.0	40.0	1000	08/09/2022 05:42	WG1907686
Bromobenzene	U		42.0	500	1000	08/09/2022 05:42	WG1907686
Bromodichloromethane	U		31.5	100	1000	08/09/2022 05:42	WG1907686
Bromoform	U		239	1000	1000	08/09/2022 05:42	WG1907686
Bromomethane	U		148	500	1000	08/09/2022 05:42	WG1907686
n-Butylbenzene	U		153	500	1000	08/09/2022 05:42	WG1907686
sec-Butylbenzene	U		101	500	1000	08/09/2022 05:42	WG1907686
tert-Butylbenzene	U		62.0	200	1000	08/09/2022 05:42	WG1907686
Carbon tetrachloride	U		43.2	200	1000	08/09/2022 05:42	WG1907686
Chlorobenzene	U		22.9	100	1000	08/09/2022 05:42	WG1907686
Chlorodibromomethane	U		18.0	100	1000	08/09/2022 05:42	WG1907686
Chloroethane	U		43.2	200	1000	08/09/2022 05:42	WG1907686
Chloroform	U		16.6	100	1000	08/09/2022 05:42	WG1907686
Chloromethane	U		55.6	500	1000	08/09/2022 05:42	WG1907686
2-Chlorotoluene	U		36.8	100	1000	08/09/2022 05:42	WG1907686
4-Chlorotoluene	U		45.2	200	1000	08/09/2022 05:42	WG1907686
1,2-Dibromo-3-Chloropropane	U		204	1000	1000	08/09/2022 05:42	WG1907686
1,2-Dibromoethane	U		21.0	100	1000	08/09/2022 05:42	WG1907686
Dibromomethane	U		40.0	200	1000	08/09/2022 05:42	WG1907686
1,2-Dichlorobenzene	U		58.0	200	1000	08/09/2022 05:42	WG1907686
1,3-Dichlorobenzene	U		68.0	200	1000	08/09/2022 05:42	WG1907686
1,4-Dichlorobenzene	U		78.8	200	1000	08/09/2022 05:42	WG1907686
Dichlorodifluoromethane	U		32.7	100	1000	08/09/2022 05:42	WG1907686
1,1-Dichloroethane	U		23.0	100	1000	08/09/2022 05:42	WG1907686
1,2-Dichloroethane	U		19.0	100	1000	08/09/2022 05:42	WG1907686
1,1-Dichloroethene	63.0	J	20.0	100	1000	08/09/2022 05:42	WG1907686
cis-1,2-Dichloroethene	41700		27.6	100	1000	08/09/2022 05:42	WG1907686
trans-1,2-Dichloroethene	89.0	J	57.2	200	1000	08/09/2022 05:42	WG1907686
1,2-Dichloropropane	U	J4	50.8	200	1000	08/09/2022 05:42	WG1907686
1,1-Dichloropropene	U		28.0	100	1000	08/09/2022 05:42	WG1907686
1,3-Dichloropropane	U		70.0	200	1000	08/09/2022 05:42	WG1907686
cis-1,3-Dichloropropene	U		27.1	100	1000	08/09/2022 05:42	WG1907686
trans-1,3-Dichloropropene	U		61.2	200	1000	08/09/2022 05:42	WG1907686
2,2-Dichloropropane	U		31.7	100	1000	08/09/2022 05:42	WG1907686
Di-isopropyl ether	U		14.0	40.0	1000	08/09/2022 05:42	WG1907686
Ethylbenzene	U		21.2	100	1000	08/09/2022 05:42	WG1907686
Hexachloro-1,3-butadiene	U		508	1000	1000	08/09/2022 05:42	WG1907686
Isopropylbenzene	U		34.5	100	1000	08/09/2022 05:42	WG1907686
p-Isopropyltoluene	U		93.2	200	1000	08/09/2022 05:42	WG1907686
2-Butanone (MEK)	U		500	1000	1000	08/09/2022 05:42	WG1907686
Methylene Chloride	U		265	1000	1000	08/09/2022 05:42	WG1907686
4-Methyl-2-pentanone (MIBK)	U		400	1000	1000	08/09/2022 05:42	WG1907686
Methyl tert-butyl ether	U		11.8	40.0	1000	08/09/2022 05:42	WG1907686
Naphthalene	231	J	124	500	1000	08/09/2022 05:42	WG1907686
n-Propylbenzene	U		47.2	200	1000	08/09/2022 05:42	WG1907686
Styrene	U		109	500	1000	08/09/2022 05:42	WG1907686
1,1,1,2-Tetrachloroethane	U		20.0	100	1000	08/09/2022 05:42	WG1907686
1,1,2,2-Tetrachloroethane	U		15.6	100	1000	08/09/2022 05:42	WG1907686
1,1,2-Trichlorotrifluoroethane	U		27.0	100	1000	08/09/2022 05:42	WG1907686
Tetrachloroethene	149		28.0	100	1000	08/09/2022 05:42	WG1907686
Toluene	U		50.0	200	1000	08/09/2022 05:42	WG1907686
1,2,3-Trichlorobenzene	U	C4	25.0	500	1000	08/09/2022 05:42	WG1907686
1,2,4-Trichlorobenzene	U		193	500	1000	08/09/2022 05:42	WG1907686
1,1,1-Trichloroethane	U		11.0	100	1000	08/09/2022 05:42	WG1907686

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
1,1,2-Trichloroethane	U		35.3	100	1000	08/09/2022 05:42	WG1907686
Trichloroethene	250	<u>C5</u>	16.0	40.0	1000	08/09/2022 05:42	WG1907686
Trichlorofluoromethane	U		20.0	100	1000	08/09/2022 05:42	WG1907686
1,2,3-Trichloropropane	U		204	500	1000	08/09/2022 05:42	WG1907686
1,2,4-Trimethylbenzene	U		46.4	200	1000	08/09/2022 05:42	WG1907686
1,2,3-Trimethylbenzene	U		46.0	200	1000	08/09/2022 05:42	WG1907686
1,3,5-Trimethylbenzene	U		43.2	200	1000	08/09/2022 05:42	WG1907686
Vinyl chloride	46000	<u>C5 J4</u>	27.3	100	1000	08/09/2022 05:42	WG1907686
Xylenes, Total	U		191	260	1000	08/09/2022 05:42	WG1907686
Ethyl Ether	U		17.0	100	1000	08/09/2022 05:42	WG1907686
Tetrahydrofuran	U		90.0	500	1000	08/09/2022 05:42	WG1907686
Iodomethane	U		242	500	1000	08/09/2022 05:42	WG1907686
Allyl chloride	U		580	1000	1000	08/09/2022 05:42	WG1907686
Trans-1,4-Dichloro-2-butene	U		56.0	200	1000	08/09/2022 05:42	WG1907686
(S) Toluene-d8	101			75.0-131		08/09/2022 05:42	WG1907686
(S) 4-Bromofluorobenzene	107			67.0-138		08/09/2022 05:42	WG1907686
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/09/2022 05:42	WG1907686

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		54.8	100	100	08/09/2022 06:01	WG1907686
Acrylonitrile	U		7.60	50.0	100	08/09/2022 06:01	WG1907686
Benzene	U		1.60	4.00	100	08/09/2022 06:01	WG1907686
Bromobenzene	U		4.20	50.0	100	08/09/2022 06:01	WG1907686
Bromodichloromethane	U		3.15	10.0	100	08/09/2022 06:01	WG1907686
Bromoform	U		23.9	100	100	08/09/2022 06:01	WG1907686
Bromomethane	U		14.8	50.0	100	08/09/2022 06:01	WG1907686
n-Butylbenzene	U		15.3	50.0	100	08/09/2022 06:01	WG1907686
sec-Butylbenzene	U		10.1	50.0	100	08/09/2022 06:01	WG1907686
tert-Butylbenzene	U		6.20	20.0	100	08/09/2022 06:01	WG1907686
Carbon tetrachloride	U		4.32	20.0	100	08/09/2022 06:01	WG1907686
Chlorobenzene	U		2.29	10.0	100	08/09/2022 06:01	WG1907686
Chlorodibromomethane	U		1.80	10.0	100	08/09/2022 06:01	WG1907686
Chloroethane	U		4.32	20.0	100	08/09/2022 06:01	WG1907686
Chloroform	U		1.66	10.0	100	08/09/2022 06:01	WG1907686
Chloromethane	U		5.56	50.0	100	08/09/2022 06:01	WG1907686
2-Chlorotoluene	U		3.68	10.0	100	08/09/2022 06:01	WG1907686
4-Chlorotoluene	U		4.52	20.0	100	08/09/2022 06:01	WG1907686
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	08/09/2022 06:01	WG1907686
1,2-Dibromoethane	U		2.10	10.0	100	08/09/2022 06:01	WG1907686
Dibromomethane	U		4.00	20.0	100	08/09/2022 06:01	WG1907686
1,2-Dichlorobenzene	U		5.80	20.0	100	08/09/2022 06:01	WG1907686
1,3-Dichlorobenzene	U		6.80	20.0	100	08/09/2022 06:01	WG1907686
1,4-Dichlorobenzene	U		7.88	20.0	100	08/09/2022 06:01	WG1907686
Dichlorodifluoromethane	U		3.27	10.0	100	08/09/2022 06:01	WG1907686
1,1-Dichloroethane	U		2.30	10.0	100	08/09/2022 06:01	WG1907686
1,2-Dichloroethane	U		1.90	10.0	100	08/09/2022 06:01	WG1907686
1,1-Dichloroethene	14.6	<u>C5</u>	2.00	10.0	100	08/09/2022 06:01	WG1907686
cis-1,2-Dichloroethene	3700		2.76	10.0	100	08/09/2022 06:01	WG1907686
trans-1,2-Dichloroethene	11.0	<u>J</u>	5.72	20.0	100	08/09/2022 06:01	WG1907686
1,2-Dichloropropane	U	<u>J4</u>	5.08	20.0	100	08/09/2022 06:01	WG1907686
1,1-Dichloropropene	U		2.80	10.0	100	08/09/2022 06:01	WG1907686
1,3-Dichloropropane	U		7.00	20.0	100	08/09/2022 06:01	WG1907686
cis-1,3-Dichloropropene	U		2.71	10.0	100	08/09/2022 06:01	WG1907686
trans-1,3-Dichloropropene	U		6.12	20.0	100	08/09/2022 06:01	WG1907686
2,2-Dichloropropane	U		3.17	10.0	100	08/09/2022 06:01	WG1907686
Di-isopropyl ether	U		1.40	4.00	100	08/09/2022 06:01	WG1907686
Ethylbenzene	U		2.12	10.0	100	08/09/2022 06:01	WG1907686
Hexachloro-1,3-butadiene	U		50.8	100	100	08/09/2022 06:01	WG1907686
Isopropylbenzene	U		3.45	10.0	100	08/09/2022 06:01	WG1907686
p-Isopropyltoluene	U		9.32	20.0	100	08/09/2022 06:01	WG1907686
2-Butanone (MEK)	U		50.0	100	100	08/09/2022 06:01	WG1907686
Methylene Chloride	U		26.5	100	100	08/09/2022 06:01	WG1907686
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	08/09/2022 06:01	WG1907686
Methyl tert-butyl ether	U		1.18	4.00	100	08/09/2022 06:01	WG1907686
Naphthalene	U		12.4	50.0	100	08/09/2022 06:01	WG1907686
n-Propylbenzene	U		4.72	20.0	100	08/09/2022 06:01	WG1907686
Styrene	U		10.9	50.0	100	08/09/2022 06:01	WG1907686
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	08/09/2022 06:01	WG1907686
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	08/09/2022 06:01	WG1907686
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	08/09/2022 06:01	WG1907686
Tetrachloroethene	U		2.80	10.0	100	08/09/2022 06:01	WG1907686
Toluene	U		5.00	20.0	100	08/09/2022 06:01	WG1907686
1,2,3-Trichlorobenzene	U	<u>C4</u>	2.50	50.0	100	08/09/2022 06:01	WG1907686
1,2,4-Trichlorobenzene	U		19.3	50.0	100	08/09/2022 06:01	WG1907686
1,1,1-Trichloroethane	U		1.10	10.0	100	08/09/2022 06:01	WG1907686

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
1,1,2-Trichloroethane	U		3.53	10.0	100	08/09/2022 06:01	WG1907686
Trichloroethene	U		1.60	4.00	100	08/09/2022 06:01	WG1907686
Trichlorofluoromethane	U		2.00	10.0	100	08/09/2022 06:01	WG1907686
1,2,3-Trichloropropane	U		20.4	50.0	100	08/09/2022 06:01	WG1907686
1,2,4-Trimethylbenzene	U		4.64	20.0	100	08/09/2022 06:01	WG1907686
1,2,3-Trimethylbenzene	U		4.60	20.0	100	08/09/2022 06:01	WG1907686
1,3,5-Trimethylbenzene	U		4.32	20.0	100	08/09/2022 06:01	WG1907686
Vinyl chloride	8160		13.6	50.0	500	08/18/2022 12:47	WG1911561
Xylenes, Total	U		19.1	26.0	100	08/09/2022 06:01	WG1907686
Ethyl Ether	U		1.70	10.0	100	08/09/2022 06:01	WG1907686
Tetrahydrofuran	17.1	U	9.00	50.0	100	08/09/2022 06:01	WG1907686
Iodomethane	U		24.2	50.0	100	08/09/2022 06:01	WG1907686
Allyl chloride	U		58.0	100	100	08/09/2022 06:01	WG1907686
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	08/09/2022 06:01	WG1907686
(S) Toluene-d8	102			75.0-131		08/09/2022 06:01	WG1907686
(S) Toluene-d8	111			75.0-131		08/18/2022 12:47	WG1911561
(S) 4-Bromofluorobenzene	106			67.0-138		08/09/2022 06:01	WG1907686
(S) 4-Bromofluorobenzene	103			67.0-138		08/18/2022 12:47	WG1911561
(S) 1,2-Dichloroethane-d4	119			70.0-130		08/09/2022 06:01	WG1907686
(S) 1,2-Dichloroethane-d4	81.6			70.0-130		08/18/2022 12:47	WG1911561

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		54.8	100	100	08/12/2022 03:15	WG1908799
Acrylonitrile	U		7.60	50.0	100	08/12/2022 03:15	WG1908799
Benzene	U		1.60	4.00	100	08/12/2022 03:15	WG1908799
Bromobenzene	U		4.20	50.0	100	08/12/2022 03:15	WG1908799
Bromodichloromethane	U		3.15	10.0	100	08/12/2022 03:15	WG1908799
Bromoform	U		23.9	100	100	08/12/2022 03:15	WG1908799
Bromomethane	U		14.8	50.0	100	08/12/2022 03:15	WG1908799
n-Butylbenzene	U		15.3	50.0	100	08/12/2022 03:15	WG1908799
sec-Butylbenzene	U		10.1	50.0	100	08/12/2022 03:15	WG1908799
tert-Butylbenzene	U		6.20	20.0	100	08/12/2022 03:15	WG1908799
Carbon tetrachloride	U		4.32	20.0	100	08/12/2022 03:15	WG1908799
Chlorobenzene	U		2.29	10.0	100	08/12/2022 03:15	WG1908799
Chlorodibromomethane	U		1.80	10.0	100	08/12/2022 03:15	WG1908799
Chloroethane	U		4.32	20.0	100	08/12/2022 03:15	WG1908799
Chloroform	U		1.66	10.0	100	08/12/2022 03:15	WG1908799
Chloromethane	U		5.56	50.0	100	08/12/2022 03:15	WG1908799
2-Chlorotoluene	U		3.68	10.0	100	08/12/2022 03:15	WG1908799
4-Chlorotoluene	U		4.52	20.0	100	08/12/2022 03:15	WG1908799
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	08/12/2022 03:15	WG1908799
1,2-Dibromoethane	U		2.10	10.0	100	08/12/2022 03:15	WG1908799
Dibromomethane	U		4.00	20.0	100	08/12/2022 03:15	WG1908799
1,2-Dichlorobenzene	U		5.80	20.0	100	08/12/2022 03:15	WG1908799
1,3-Dichlorobenzene	U		6.80	20.0	100	08/12/2022 03:15	WG1908799
1,4-Dichlorobenzene	U		7.88	20.0	100	08/12/2022 03:15	WG1908799
Dichlorodifluoromethane	U		3.27	10.0	100	08/12/2022 03:15	WG1908799
1,1-Dichloroethane	U		2.30	10.0	100	08/12/2022 03:15	WG1908799
1,2-Dichloroethane	U		1.90	10.0	100	08/12/2022 03:15	WG1908799
1,1-Dichloroethene	39.5		2.00	10.0	100	08/12/2022 03:15	WG1908799
cis-1,2-Dichloroethene	3670		2.76	10.0	100	08/12/2022 03:15	WG1908799
trans-1,2-Dichloroethene	13.9	<u>J</u>	5.72	20.0	100	08/12/2022 03:15	WG1908799
1,2-Dichloropropane	U		5.08	20.0	100	08/12/2022 03:15	WG1908799
1,1-Dichloropropene	U		2.80	10.0	100	08/12/2022 03:15	WG1908799
1,3-Dichloropropane	U		7.00	20.0	100	08/12/2022 03:15	WG1908799
cis-1,3-Dichloropropene	U		2.71	10.0	100	08/12/2022 03:15	WG1908799
trans-1,3-Dichloropropene	U		6.12	20.0	100	08/12/2022 03:15	WG1908799
2,2-Dichloropropane	U		3.17	10.0	100	08/12/2022 03:15	WG1908799
Di-isopropyl ether	U		1.40	4.00	100	08/12/2022 03:15	WG1908799
Ethylbenzene	U		2.12	10.0	100	08/12/2022 03:15	WG1908799
Hexachloro-1,3-butadiene	U		50.8	100	100	08/12/2022 03:15	WG1908799
Isopropylbenzene	U		3.45	10.0	100	08/12/2022 03:15	WG1908799
p-Isopropyltoluene	U		9.32	20.0	100	08/12/2022 03:15	WG1908799
2-Butanone (MEK)	U		50.0	100	100	08/12/2022 03:15	WG1908799
Methylene Chloride	U		26.5	100	100	08/12/2022 03:15	WG1908799
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	08/12/2022 03:15	WG1908799
Methyl tert-butyl ether	U		1.18	4.00	100	08/12/2022 03:15	WG1908799
Naphthalene	U		12.4	50.0	100	08/12/2022 03:15	WG1908799
n-Propylbenzene	U		4.72	20.0	100	08/12/2022 03:15	WG1908799
Styrene	U		10.9	50.0	100	08/12/2022 03:15	WG1908799
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	08/12/2022 03:15	WG1908799
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	08/12/2022 03:15	WG1908799
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	08/12/2022 03:15	WG1908799
Tetrachloroethene	U		2.80	10.0	100	08/12/2022 03:15	WG1908799
Toluene	U		5.00	20.0	100	08/12/2022 03:15	WG1908799
1,2,3-Trichlorobenzene	U	<u>C4</u>	2.50	50.0	100	08/12/2022 03:15	WG1908799
1,2,4-Trichlorobenzene	U	<u>C4</u>	19.3	50.0	100	08/12/2022 03:15	WG1908799
1,1,1-Trichloroethane	U		1.10	10.0	100	08/12/2022 03:15	WG1908799

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
1,1,2-Trichloroethane	U		3.53	10.0	100	08/12/2022 03:15	WG1908799
Trichloroethene	U		1.60	4.00	100	08/12/2022 03:15	WG1908799
Trichlorofluoromethane	U		2.00	10.0	100	08/12/2022 03:15	WG1908799
1,2,3-Trichloropropane	U		20.4	50.0	100	08/12/2022 03:15	WG1908799
1,2,4-Trimethylbenzene	U		4.64	20.0	100	08/12/2022 03:15	WG1908799
1,2,3-Trimethylbenzene	U		4.60	20.0	100	08/12/2022 03:15	WG1908799
1,3,5-Trimethylbenzene	U		4.32	20.0	100	08/12/2022 03:15	WG1908799
Vinyl chloride	1970		2.73	10.0	100	08/12/2022 03:15	WG1908799
Xylenes, Total	U		19.1	26.0	100	08/12/2022 03:15	WG1908799
Ethyl Ether	U		1.70	10.0	100	08/12/2022 03:15	WG1908799
Tetrahydrofuran	U		9.00	50.0	100	08/12/2022 03:15	WG1908799
Iodomethane	U		24.2	50.0	100	08/12/2022 03:15	WG1908799
Allyl chloride	U		58.0	100	100	08/12/2022 03:15	WG1908799
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	08/12/2022 03:15	WG1908799
(S) Toluene-d8	101			75.0-131		08/12/2022 03:15	WG1908799
(S) 4-Bromofluorobenzene	105			67.0-138		08/12/2022 03:15	WG1908799
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/12/2022 03:15	WG1908799

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		5.48	10.0	10	08/12/2022 03:34	WG1908799
Acrylonitrile	U		0.760	5.00	10	08/12/2022 03:34	WG1908799
Benzene	U		0.160	0.400	10	08/12/2022 03:34	WG1908799
Bromobenzene	U		0.420	5.00	10	08/12/2022 03:34	WG1908799
Bromodichloromethane	U		0.315	1.00	10	08/12/2022 03:34	WG1908799
Bromoform	U		2.39	10.0	10	08/12/2022 03:34	WG1908799
Bromomethane	U		1.48	5.00	10	08/12/2022 03:34	WG1908799
n-Butylbenzene	U		1.53	5.00	10	08/12/2022 03:34	WG1908799
sec-Butylbenzene	U		1.01	5.00	10	08/12/2022 03:34	WG1908799
tert-Butylbenzene	U		0.620	2.00	10	08/12/2022 03:34	WG1908799
Carbon tetrachloride	U		0.432	2.00	10	08/12/2022 03:34	WG1908799
Chlorobenzene	U		0.229	1.00	10	08/12/2022 03:34	WG1908799
Chlorodibromomethane	U		0.180	1.00	10	08/12/2022 03:34	WG1908799
Chloroethane	3.04		0.432	2.00	10	08/12/2022 03:34	WG1908799
Chloroform	U		0.166	1.00	10	08/12/2022 03:34	WG1908799
Chloromethane	U		0.556	5.00	10	08/12/2022 03:34	WG1908799
2-Chlorotoluene	U		0.368	1.00	10	08/12/2022 03:34	WG1908799
4-Chlorotoluene	U		0.452	2.00	10	08/12/2022 03:34	WG1908799
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	08/12/2022 03:34	WG1908799
1,2-Dibromoethane	U		0.210	1.00	10	08/12/2022 03:34	WG1908799
Dibromomethane	U		0.400	2.00	10	08/12/2022 03:34	WG1908799
1,2-Dichlorobenzene	U		0.580	2.00	10	08/12/2022 03:34	WG1908799
1,3-Dichlorobenzene	U		0.680	2.00	10	08/12/2022 03:34	WG1908799
1,4-Dichlorobenzene	U		0.788	2.00	10	08/12/2022 03:34	WG1908799
Dichlorodifluoromethane	U		0.327	1.00	10	08/12/2022 03:34	WG1908799
1,1-Dichloroethane	U		0.230	1.00	10	08/12/2022 03:34	WG1908799
1,2-Dichloroethane	U		0.190	1.00	10	08/12/2022 03:34	WG1908799
1,1-Dichloroethene	12.2		0.200	1.00	10	08/12/2022 03:34	WG1908799
cis-1,2-Dichloroethene	210		0.276	1.00	10	08/12/2022 03:34	WG1908799
trans-1,2-Dichloroethene	4.20		0.572	2.00	10	08/12/2022 03:34	WG1908799
1,2-Dichloropropane	U		0.508	2.00	10	08/12/2022 03:34	WG1908799
1,1-Dichloropropene	U		0.280	1.00	10	08/12/2022 03:34	WG1908799
1,3-Dichloropropane	U		0.700	2.00	10	08/12/2022 03:34	WG1908799
cis-1,3-Dichloropropene	U		0.271	1.00	10	08/12/2022 03:34	WG1908799
trans-1,3-Dichloropropene	U		0.612	2.00	10	08/12/2022 03:34	WG1908799
2,2-Dichloropropane	U		0.317	1.00	10	08/12/2022 03:34	WG1908799
Di-isopropyl ether	U		0.140	0.400	10	08/12/2022 03:34	WG1908799
Ethylbenzene	U		0.212	1.00	10	08/12/2022 03:34	WG1908799
Hexachloro-1,3-butadiene	U		5.08	10.0	10	08/12/2022 03:34	WG1908799
Isopropylbenzene	U		0.345	1.00	10	08/12/2022 03:34	WG1908799
p-Isopropyltoluene	U		0.932	2.00	10	08/12/2022 03:34	WG1908799
2-Butanone (MEK)	U		5.00	10.0	10	08/12/2022 03:34	WG1908799
Methylene Chloride	U		2.65	10.0	10	08/12/2022 03:34	WG1908799
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	08/12/2022 03:34	WG1908799
Methyl tert-butyl ether	U		0.118	0.400	10	08/12/2022 03:34	WG1908799
Naphthalene	U		1.24	5.00	10	08/12/2022 03:34	WG1908799
n-Propylbenzene	U		0.472	2.00	10	08/12/2022 03:34	WG1908799
Styrene	U		1.09	5.00	10	08/12/2022 03:34	WG1908799
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	08/12/2022 03:34	WG1908799
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	08/12/2022 03:34	WG1908799
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	08/12/2022 03:34	WG1908799
Tetrachloroethene	276		0.280	1.00	10	08/12/2022 03:34	WG1908799
Toluene	U		0.500	2.00	10	08/12/2022 03:34	WG1908799
1,2,3-Trichlorobenzene	U	C4	0.250	5.00	10	08/12/2022 03:34	WG1908799
1,2,4-Trichlorobenzene	U	C4	1.93	5.00	10	08/12/2022 03:34	WG1908799
1,1,1-Trichloroethane	U		0.110	1.00	10	08/12/2022 03:34	WG1908799

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

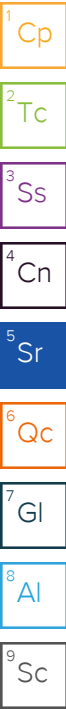
7 Gl

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
1,1,2-Trichloroethane	U		0.353	1.00	10	08/12/2022 03:34	WG1908799
Trichloroethene	189		0.160	0.400	10	08/12/2022 03:34	WG1908799
Trichlorofluoromethane	U		0.200	1.00	10	08/12/2022 03:34	WG1908799
1,2,3-Trichloropropane	U		2.04	5.00	10	08/12/2022 03:34	WG1908799
1,2,4-Trimethylbenzene	U		0.464	2.00	10	08/12/2022 03:34	WG1908799
1,2,3-Trimethylbenzene	U		0.460	2.00	10	08/12/2022 03:34	WG1908799
1,3,5-Trimethylbenzene	U		0.432	2.00	10	08/12/2022 03:34	WG1908799
Vinyl chloride	55.5		0.273	1.00	10	08/12/2022 03:34	WG1908799
Xylenes, Total	U		1.91	2.60	10	08/12/2022 03:34	WG1908799
Ethyl Ether	U		0.170	1.00	10	08/12/2022 03:34	WG1908799
Tetrahydrofuran	U		0.900	5.00	10	08/12/2022 03:34	WG1908799
Iodomethane	U		2.42	5.00	10	08/12/2022 03:34	WG1908799
Allyl chloride	U		5.80	10.0	10	08/12/2022 03:34	WG1908799
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	08/12/2022 03:34	WG1908799
(S) Toluene-d8	106			75.0-131		08/12/2022 03:34	WG1908799
(S) 4-Bromofluorobenzene	97.5			67.0-138		08/12/2022 03:34	WG1908799
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/12/2022 03:34	WG1908799



Sample Narrative:

L1522618-26 WG1908799: Target compounds too high to run at a lower dilution.

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	08/12/2022 03:53	WG1908799
Acrylonitrile	U		15.2	100	200	08/12/2022 03:53	WG1908799
Benzene	U		3.20	8.00	200	08/12/2022 03:53	WG1908799
Bromobenzene	U		8.40	100	200	08/12/2022 03:53	WG1908799
Bromodichloromethane	U		6.30	20.0	200	08/12/2022 03:53	WG1908799
Bromoform	U		47.8	200	200	08/12/2022 03:53	WG1908799
Bromomethane	U		29.6	100	200	08/12/2022 03:53	WG1908799
n-Butylbenzene	U		30.6	100	200	08/12/2022 03:53	WG1908799
sec-Butylbenzene	U		20.2	100	200	08/12/2022 03:53	WG1908799
tert-Butylbenzene	U		12.4	40.0	200	08/12/2022 03:53	WG1908799
Carbon tetrachloride	U		8.64	40.0	200	08/12/2022 03:53	WG1908799
Chlorobenzene	U		4.58	20.0	200	08/12/2022 03:53	WG1908799
Chlorodibromomethane	U		3.60	20.0	200	08/12/2022 03:53	WG1908799
Chloroethane	U		8.64	40.0	200	08/12/2022 03:53	WG1908799
Chloroform	U		3.32	20.0	200	08/12/2022 03:53	WG1908799
Chloromethane	U		11.1	100	200	08/12/2022 03:53	WG1908799
2-Chlorotoluene	U		7.36	20.0	200	08/12/2022 03:53	WG1908799
4-Chlorotoluene	U		9.04	40.0	200	08/12/2022 03:53	WG1908799
1,2-Dibromo-3-Chloropropane	U		40.8	200	200	08/12/2022 03:53	WG1908799
1,2-Dibromoethane	U		4.20	20.0	200	08/12/2022 03:53	WG1908799
Dibromomethane	U		8.00	40.0	200	08/12/2022 03:53	WG1908799
1,2-Dichlorobenzene	U		11.6	40.0	200	08/12/2022 03:53	WG1908799
1,3-Dichlorobenzene	U		13.6	40.0	200	08/12/2022 03:53	WG1908799
1,4-Dichlorobenzene	U		15.8	40.0	200	08/12/2022 03:53	WG1908799
Dichlorodifluoromethane	U		6.54	20.0	200	08/12/2022 03:53	WG1908799
1,1-Dichloroethane	U		4.60	20.0	200	08/12/2022 03:53	WG1908799
1,2-Dichloroethane	U		3.80	20.0	200	08/12/2022 03:53	WG1908799
1,1-Dichloroethene	21.6		4.00	20.0	200	08/12/2022 03:53	WG1908799
cis-1,2-Dichloroethene	3700		5.52	20.0	200	08/12/2022 03:53	WG1908799
trans-1,2-Dichloroethene	41.4		11.4	40.0	200	08/12/2022 03:53	WG1908799
1,2-Dichloropropane	U		10.2	40.0	200	08/12/2022 03:53	WG1908799
1,1-Dichloropropene	U		5.60	20.0	200	08/12/2022 03:53	WG1908799
1,3-Dichloropropane	U		14.0	40.0	200	08/12/2022 03:53	WG1908799
cis-1,3-Dichloropropene	U		5.42	20.0	200	08/12/2022 03:53	WG1908799
trans-1,3-Dichloropropene	U		12.2	40.0	200	08/12/2022 03:53	WG1908799
2,2-Dichloropropane	U		6.34	20.0	200	08/12/2022 03:53	WG1908799
Di-isopropyl ether	U		2.80	8.00	200	08/12/2022 03:53	WG1908799
Ethylbenzene	U		4.24	20.0	200	08/12/2022 03:53	WG1908799
Hexachloro-1,3-butadiene	U		102	200	200	08/12/2022 03:53	WG1908799
Isopropylbenzene	U		6.90	20.0	200	08/12/2022 03:53	WG1908799
p-Isopropyltoluene	U		18.6	40.0	200	08/12/2022 03:53	WG1908799
2-Butanone (MEK)	U		100	200	200	08/12/2022 03:53	WG1908799
Methylene Chloride	U		53.0	200	200	08/12/2022 03:53	WG1908799
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	08/12/2022 03:53	WG1908799
Methyl tert-butyl ether	U		2.36	8.00	200	08/12/2022 03:53	WG1908799
Naphthalene	U		24.8	100	200	08/12/2022 03:53	WG1908799
n-Propylbenzene	U		9.44	40.0	200	08/12/2022 03:53	WG1908799
Styrene	U		21.8	100	200	08/12/2022 03:53	WG1908799
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	08/12/2022 03:53	WG1908799
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	08/12/2022 03:53	WG1908799
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	08/12/2022 03:53	WG1908799
Tetrachloroethene	U		5.60	20.0	200	08/12/2022 03:53	WG1908799
Toluene	U		10.0	40.0	200	08/12/2022 03:53	WG1908799
1,2,3-Trichlorobenzene	U	C4	5.00	100	200	08/12/2022 03:53	WG1908799
1,2,4-Trichlorobenzene	U	C4	38.6	100	200	08/12/2022 03:53	WG1908799
1,1,1-Trichloroethane	U		2.20	20.0	200	08/12/2022 03:53	WG1908799

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
1,1,2-Trichloroethane	U		7.06	20.0	200	08/12/2022 03:53	WG1908799
Trichloroethene	U		3.20	8.00	200	08/12/2022 03:53	WG1908799
Trichlorofluoromethane	U		4.00	20.0	200	08/12/2022 03:53	WG1908799
1,2,3-Trichloropropane	U		40.8	100	200	08/12/2022 03:53	WG1908799
1,2,4-Trimethylbenzene	U		9.28	40.0	200	08/12/2022 03:53	WG1908799
1,2,3-Trimethylbenzene	U		9.20	40.0	200	08/12/2022 03:53	WG1908799
1,3,5-Trimethylbenzene	U		8.64	40.0	200	08/12/2022 03:53	WG1908799
Vinyl chloride	11700		5.46	20.0	200	08/12/2022 03:53	WG1908799
Xylenes, Total	U		38.2	52.0	200	08/12/2022 03:53	WG1908799
Ethyl Ether	U		3.40	20.0	200	08/12/2022 03:53	WG1908799
Tetrahydrofuran	U		18.0	100	200	08/12/2022 03:53	WG1908799
Iodomethane	U		48.4	100	200	08/12/2022 03:53	WG1908799
Allyl chloride	U		116	200	200	08/12/2022 03:53	WG1908799
Trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	08/12/2022 03:53	WG1908799
(S) Toluene-d8	101			75.0-131		08/12/2022 03:53	WG1908799
(S) 4-Bromofluorobenzene	101			67.0-138		08/12/2022 03:53	WG1908799
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/12/2022 03:53	WG1908799

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1522618-27 WG1908799: Target compounds too high to run at a lower dilution.

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		11.0	20.0	20	08/18/2022 13:06	WG1911828
Acrylonitrile	U		1.52	10.0	20	08/18/2022 13:06	WG1911828
Benzene	U		0.320	0.800	20	08/18/2022 13:06	WG1911828
Bromobenzene	U		0.840	10.0	20	08/18/2022 13:06	WG1911828
Bromodichloromethane	U		0.630	2.00	20	08/18/2022 13:06	WG1911828
Bromoform	U		4.78	20.0	20	08/18/2022 13:06	WG1911828
Bromomethane	U		2.96	10.0	20	08/18/2022 13:06	WG1911828
n-Butylbenzene	U		3.06	10.0	20	08/18/2022 13:06	WG1911828
sec-Butylbenzene	U		2.02	10.0	20	08/18/2022 13:06	WG1911828
tert-Butylbenzene	U		1.24	4.00	20	08/18/2022 13:06	WG1911828
Carbon tetrachloride	U		0.864	4.00	20	08/18/2022 13:06	WG1911828
Chlorobenzene	U		0.458	2.00	20	08/18/2022 13:06	WG1911828
Chlorodibromomethane	U		0.360	2.00	20	08/18/2022 13:06	WG1911828
Chloroethane	U		0.864	4.00	20	08/18/2022 13:06	WG1911828
Chloroform	U		0.332	2.00	20	08/18/2022 13:06	WG1911828
Chloromethane	U	C3 J3	1.11	10.0	20	08/18/2022 13:06	WG1911828
2-Chlorotoluene	U		0.736	2.00	20	08/18/2022 13:06	WG1911828
4-Chlorotoluene	U		0.904	4.00	20	08/18/2022 13:06	WG1911828
1,2-Dibromo-3-Chloropropane	U		4.08	20.0	20	08/18/2022 13:06	WG1911828
1,2-Dibromoethane	U		0.420	2.00	20	08/18/2022 13:06	WG1911828
Dibromomethane	U		0.800	4.00	20	08/18/2022 13:06	WG1911828
1,2-Dichlorobenzene	U		1.16	4.00	20	08/18/2022 13:06	WG1911828
1,3-Dichlorobenzene	U		1.36	4.00	20	08/18/2022 13:06	WG1911828
1,4-Dichlorobenzene	U		1.58	4.00	20	08/18/2022 13:06	WG1911828
Dichlorodifluoromethane	U		0.654	2.00	20	08/18/2022 13:06	WG1911828
1,1-Dichloroethane	U		0.460	2.00	20	08/18/2022 13:06	WG1911828
1,2-Dichloroethane	0.720	C3 J	0.380	2.00	20	08/18/2022 13:06	WG1911828
1,1-Dichloroethene	0.680	J	0.400	2.00	20	08/18/2022 13:06	WG1911828
cis-1,2-Dichloroethene	760		0.552	2.00	20	08/18/2022 13:06	WG1911828
trans-1,2-Dichloroethene	16.5		1.14	4.00	20	08/18/2022 13:06	WG1911828
1,2-Dichloropropane	U		1.02	4.00	20	08/18/2022 13:06	WG1911828
1,1-Dichloropropene	U		0.560	2.00	20	08/18/2022 13:06	WG1911828
1,3-Dichloropropane	U		1.40	4.00	20	08/18/2022 13:06	WG1911828
cis-1,3-Dichloropropene	U		0.542	2.00	20	08/18/2022 13:06	WG1911828
trans-1,3-Dichloropropene	U		1.22	4.00	20	08/18/2022 13:06	WG1911828
2,2-Dichloropropane	U		0.634	2.00	20	08/18/2022 13:06	WG1911828
Di-isopropyl ether	U		0.280	0.800	20	08/18/2022 13:06	WG1911828
Ethylbenzene	U		0.424	2.00	20	08/18/2022 13:06	WG1911828
Hexachloro-1,3-butadiene	U		10.2	20.0	20	08/18/2022 13:06	WG1911828
Isopropylbenzene	U		0.690	2.00	20	08/18/2022 13:06	WG1911828
p-Isopropyltoluene	U		1.86	4.00	20	08/18/2022 13:06	WG1911828
2-Butanone (MEK)	U		10.0	20.0	20	08/18/2022 13:06	WG1911828
Methylene Chloride	U		5.30	20.0	20	08/18/2022 13:06	WG1911828
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	08/18/2022 13:06	WG1911828
Methyl tert-butyl ether	U		0.236	0.800	20	08/18/2022 13:06	WG1911828
Naphthalene	U		2.48	10.0	20	08/18/2022 13:06	WG1911828
n-Propylbenzene	U		0.944	4.00	20	08/18/2022 13:06	WG1911828
Styrene	U		2.18	10.0	20	08/18/2022 13:06	WG1911828
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	08/18/2022 13:06	WG1911828
1,1,2,2-Tetrachloroethane	U		0.312	2.00	20	08/18/2022 13:06	WG1911828
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	08/18/2022 13:06	WG1911828
Tetrachloroethene	U		0.560	2.00	20	08/18/2022 13:06	WG1911828
Toluene	U		1.00	4.00	20	08/18/2022 13:06	WG1911828
1,2,3-Trichlorobenzene	U		0.500	10.0	20	08/18/2022 13:06	WG1911828
1,2,4-Trichlorobenzene	U		3.86	10.0	20	08/18/2022 13:06	WG1911828
1,1,1-Trichloroethane	U		0.220	2.00	20	08/18/2022 13:06	WG1911828

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
1,1,2-Trichloroethane	U		0.706	2.00	20	08/18/2022 13:06	WG1911828
Trichloroethene	0.560	J	0.320	0.800	20	08/18/2022 13:06	WG1911828
Trichlorofluoromethane	U		0.400	2.00	20	08/18/2022 13:06	WG1911828
1,2,3-Trichloropropane	U		4.08	10.0	20	08/18/2022 13:06	WG1911828
1,2,4-Trimethylbenzene	U		0.928	4.00	20	08/18/2022 13:06	WG1911828
1,2,3-Trimethylbenzene	U		0.920	4.00	20	08/18/2022 13:06	WG1911828
1,3,5-Trimethylbenzene	U		0.864	4.00	20	08/18/2022 13:06	WG1911828
Vinyl chloride	642		0.546	2.00	20	08/18/2022 13:06	WG1911828
Xylenes, Total	U		3.82	5.20	20	08/18/2022 13:06	WG1911828
Ethyl Ether	U		0.340	2.00	20	08/18/2022 13:06	WG1911828
Tetrahydrofuran	3.14	B J	1.80	10.0	20	08/18/2022 13:06	WG1911828
Iodomethane	U		4.84	10.0	20	08/18/2022 13:06	WG1911828
Allyl chloride	U		11.6	20.0	20	08/18/2022 13:06	WG1911828
Trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	08/18/2022 13:06	WG1911828
(S) Toluene-d8	111			75.0-131		08/18/2022 13:06	WG1911828
(S) 4-Bromofluorobenzene	102			67.0-138		08/18/2022 13:06	WG1911828
(S) 1,2-Dichloroethane-d4	81.6			70.0-130		08/18/2022 13:06	WG1911828

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		137	250	250	08/12/2022 04:31	WG1908799
Acrylonitrile	U		19.0	125	250	08/12/2022 04:31	WG1908799
Benzene	U		4.00	10.0	250	08/12/2022 04:31	WG1908799
Bromobenzene	U		10.5	125	250	08/12/2022 04:31	WG1908799
Bromodichloromethane	U		7.88	25.0	250	08/12/2022 04:31	WG1908799
Bromoform	U		59.8	250	250	08/12/2022 04:31	WG1908799
Bromomethane	U		37.0	125	250	08/12/2022 04:31	WG1908799
n-Butylbenzene	U		38.3	125	250	08/12/2022 04:31	WG1908799
sec-Butylbenzene	U		25.3	125	250	08/12/2022 04:31	WG1908799
tert-Butylbenzene	U		15.5	50.0	250	08/12/2022 04:31	WG1908799
Carbon tetrachloride	U		10.8	50.0	250	08/12/2022 04:31	WG1908799
Chlorobenzene	U		5.73	25.0	250	08/12/2022 04:31	WG1908799
Chlorodibromomethane	U		4.50	25.0	250	08/12/2022 04:31	WG1908799
Chloroethane	U		10.8	50.0	250	08/12/2022 04:31	WG1908799
Chloroform	U		4.15	25.0	250	08/12/2022 04:31	WG1908799
Chloromethane	U		13.9	125	250	08/12/2022 04:31	WG1908799
2-Chlorotoluene	U		9.20	25.0	250	08/12/2022 04:31	WG1908799
4-Chlorotoluene	U		11.3	50.0	250	08/12/2022 04:31	WG1908799
1,2-Dibromo-3-Chloropropane	U		51.0	250	250	08/12/2022 04:31	WG1908799
1,2-Dibromoethane	U		5.25	25.0	250	08/12/2022 04:31	WG1908799
Dibromomethane	U		10.0	50.0	250	08/12/2022 04:31	WG1908799
1,2-Dichlorobenzene	U		14.5	50.0	250	08/12/2022 04:31	WG1908799
1,3-Dichlorobenzene	U		17.0	50.0	250	08/12/2022 04:31	WG1908799
1,4-Dichlorobenzene	U		19.7	50.0	250	08/12/2022 04:31	WG1908799
Dichlorodifluoromethane	U		8.18	25.0	250	08/12/2022 04:31	WG1908799
1,1-Dichloroethane	U		5.75	25.0	250	08/12/2022 04:31	WG1908799
1,2-Dichloroethane	U		4.75	25.0	250	08/12/2022 04:31	WG1908799
1,1-Dichloroethene	25.5		5.00	25.0	250	08/12/2022 04:31	WG1908799
cis-1,2-Dichloroethene	4770		6.90	25.0	250	08/12/2022 04:31	WG1908799
trans-1,2-Dichloroethene	172		14.3	50.0	250	08/12/2022 04:31	WG1908799
1,2-Dichloropropane	U		12.7	50.0	250	08/12/2022 04:31	WG1908799
1,1-Dichloropropene	U		7.00	25.0	250	08/12/2022 04:31	WG1908799
1,3-Dichloropropane	U		17.5	50.0	250	08/12/2022 04:31	WG1908799
cis-1,3-Dichloropropene	U		6.78	25.0	250	08/12/2022 04:31	WG1908799
trans-1,3-Dichloropropene	U		15.3	50.0	250	08/12/2022 04:31	WG1908799
2,2-Dichloropropane	U		7.93	25.0	250	08/12/2022 04:31	WG1908799
Di-isopropyl ether	U		3.50	10.0	250	08/12/2022 04:31	WG1908799
Ethylbenzene	U		5.30	25.0	250	08/12/2022 04:31	WG1908799
Hexachloro-1,3-butadiene	U		127	250	250	08/12/2022 04:31	WG1908799
Isopropylbenzene	U		8.63	25.0	250	08/12/2022 04:31	WG1908799
p-Isopropyltoluene	U		23.3	50.0	250	08/12/2022 04:31	WG1908799
2-Butanone (MEK)	U		125	250	250	08/12/2022 04:31	WG1908799
Methylene Chloride	U		66.3	250	250	08/12/2022 04:31	WG1908799
4-Methyl-2-pentanone (MIBK)	U		100	250	250	08/12/2022 04:31	WG1908799
Methyl tert-butyl ether	U		2.95	10.0	250	08/12/2022 04:31	WG1908799
Naphthalene	U		31.0	125	250	08/12/2022 04:31	WG1908799
n-Propylbenzene	U		11.8	50.0	250	08/12/2022 04:31	WG1908799
Styrene	U		27.3	125	250	08/12/2022 04:31	WG1908799
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	08/12/2022 04:31	WG1908799
1,1,2,2-Tetrachloroethane	U		3.90	25.0	250	08/12/2022 04:31	WG1908799
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	08/12/2022 04:31	WG1908799
Tetrachloroethene	90.8		7.00	25.0	250	08/12/2022 04:31	WG1908799
Toluene	U		12.5	50.0	250	08/12/2022 04:31	WG1908799
1,2,3-Trichlorobenzene	U	C4	6.25	125	250	08/12/2022 04:31	WG1908799
1,2,4-Trichlorobenzene	U	C4	48.3	125	250	08/12/2022 04:31	WG1908799
1,1,1-Trichloroethane	U		2.75	25.0	250	08/12/2022 04:31	WG1908799

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
1,1,2-Trichloroethane	U		8.83	25.0	250	08/12/2022 04:31	WG1908799
Trichloroethene	24.0		4.00	10.0	250	08/12/2022 04:31	WG1908799
Trichlorofluoromethane	U		5.00	25.0	250	08/12/2022 04:31	WG1908799
1,2,3-Trichloropropane	U		51.0	125	250	08/12/2022 04:31	WG1908799
1,2,4-Trimethylbenzene	U		11.6	50.0	250	08/12/2022 04:31	WG1908799
1,2,3-Trimethylbenzene	U		11.5	50.0	250	08/12/2022 04:31	WG1908799
1,3,5-Trimethylbenzene	U		10.8	50.0	250	08/12/2022 04:31	WG1908799
Vinyl chloride	12500		6.82	25.0	250	08/12/2022 04:31	WG1908799
Xylenes, Total	U		47.8	65.0	250	08/12/2022 04:31	WG1908799
Ethyl Ether	U		4.25	25.0	250	08/12/2022 04:31	WG1908799
Tetrahydrofuran	U		22.5	125	250	08/12/2022 04:31	WG1908799
Iodomethane	U		60.5	125	250	08/12/2022 04:31	WG1908799
Allyl chloride	U		145	250	250	08/12/2022 04:31	WG1908799
Trans-1,4-Dichloro-2-butene	U		14.0	50.0	250	08/12/2022 04:31	WG1908799
(S) Toluene-d8	100			75.0-131		08/12/2022 04:31	WG1908799
(S) 4-Bromofluorobenzene	107			67.0-138		08/12/2022 04:31	WG1908799
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/12/2022 04:31	WG1908799

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

Sample Narrative:

L1522618-29 WG1908799: Target compounds too high to run at a lower dilution.

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		137	250	250	08/12/2022 04:50	WG1908799
Acrylonitrile	U		19.0	125	250	08/12/2022 04:50	WG1908799
Benzene	U		4.00	10.0	250	08/12/2022 04:50	WG1908799
Bromobenzene	U		10.5	125	250	08/12/2022 04:50	WG1908799
Bromodichloromethane	U		7.88	25.0	250	08/12/2022 04:50	WG1908799
Bromoform	U		59.8	250	250	08/12/2022 04:50	WG1908799
Bromomethane	U		37.0	125	250	08/12/2022 04:50	WG1908799
n-Butylbenzene	U		38.3	125	250	08/12/2022 04:50	WG1908799
sec-Butylbenzene	U		25.3	125	250	08/12/2022 04:50	WG1908799
tert-Butylbenzene	U		15.5	50.0	250	08/12/2022 04:50	WG1908799
Carbon tetrachloride	U		10.8	50.0	250	08/12/2022 04:50	WG1908799
Chlorobenzene	U		5.73	25.0	250	08/12/2022 04:50	WG1908799
Chlorodibromomethane	U		4.50	25.0	250	08/12/2022 04:50	WG1908799
Chloroethane	U		10.8	50.0	250	08/12/2022 04:50	WG1908799
Chloroform	U		4.15	25.0	250	08/12/2022 04:50	WG1908799
Chloromethane	U		13.9	125	250	08/12/2022 04:50	WG1908799
2-Chlorotoluene	U		9.20	25.0	250	08/12/2022 04:50	WG1908799
4-Chlorotoluene	U		11.3	50.0	250	08/12/2022 04:50	WG1908799
1,2-Dibromo-3-Chloropropane	U		51.0	250	250	08/12/2022 04:50	WG1908799
1,2-Dibromoethane	U		5.25	25.0	250	08/12/2022 04:50	WG1908799
Dibromomethane	U		10.0	50.0	250	08/12/2022 04:50	WG1908799
1,2-Dichlorobenzene	U		14.5	50.0	250	08/12/2022 04:50	WG1908799
1,3-Dichlorobenzene	U		17.0	50.0	250	08/12/2022 04:50	WG1908799
1,4-Dichlorobenzene	U		19.7	50.0	250	08/12/2022 04:50	WG1908799
Dichlorodifluoromethane	U		8.18	25.0	250	08/12/2022 04:50	WG1908799
1,1-Dichloroethane	U		5.75	25.0	250	08/12/2022 04:50	WG1908799
1,2-Dichloroethane	U		4.75	25.0	250	08/12/2022 04:50	WG1908799
1,1-Dichloroethene	20.0	J	5.00	25.0	250	08/12/2022 04:50	WG1908799
cis-1,2-Dichloroethene	8810		6.90	25.0	250	08/12/2022 04:50	WG1908799
trans-1,2-Dichloroethene	60.0		14.3	50.0	250	08/12/2022 04:50	WG1908799
1,2-Dichloropropane	U		12.7	50.0	250	08/12/2022 04:50	WG1908799
1,1-Dichloropropene	U		7.00	25.0	250	08/12/2022 04:50	WG1908799
1,3-Dichloropropane	U		17.5	50.0	250	08/12/2022 04:50	WG1908799
cis-1,3-Dichloropropene	U		6.78	25.0	250	08/12/2022 04:50	WG1908799
trans-1,3-Dichloropropene	U		15.3	50.0	250	08/12/2022 04:50	WG1908799
2,2-Dichloropropane	U		7.93	25.0	250	08/12/2022 04:50	WG1908799
Di-isopropyl ether	U		3.50	10.0	250	08/12/2022 04:50	WG1908799
Ethylbenzene	U		5.30	25.0	250	08/12/2022 04:50	WG1908799
Hexachloro-1,3-butadiene	U		127	250	250	08/12/2022 04:50	WG1908799
Isopropylbenzene	U		8.63	25.0	250	08/12/2022 04:50	WG1908799
p-Isopropyltoluene	U		23.3	50.0	250	08/12/2022 04:50	WG1908799
2-Butanone (MEK)	U		125	250	250	08/12/2022 04:50	WG1908799
Methylene Chloride	U		66.3	250	250	08/12/2022 04:50	WG1908799
4-Methyl-2-pentanone (MIBK)	U		100	250	250	08/12/2022 04:50	WG1908799
Methyl tert-butyl ether	U		2.95	10.0	250	08/12/2022 04:50	WG1908799
Naphthalene	U		31.0	125	250	08/12/2022 04:50	WG1908799
n-Propylbenzene	U		11.8	50.0	250	08/12/2022 04:50	WG1908799
Styrene	U		27.3	125	250	08/12/2022 04:50	WG1908799
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	08/12/2022 04:50	WG1908799
1,1,2,2-Tetrachloroethane	U		3.90	25.0	250	08/12/2022 04:50	WG1908799
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	08/12/2022 04:50	WG1908799
Tetrachloroethene	U		7.00	25.0	250	08/12/2022 04:50	WG1908799
Toluene	U		12.5	50.0	250	08/12/2022 04:50	WG1908799
1,2,3-Trichlorobenzene	U	C4	6.25	125	250	08/12/2022 04:50	WG1908799
1,2,4-Trichlorobenzene	U	C4	48.3	125	250	08/12/2022 04:50	WG1908799
1,1,1-Trichloroethane	U		2.75	25.0	250	08/12/2022 04:50	WG1908799

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
1,1,2-Trichloroethane	U		8.83	25.0	250	08/12/2022 04:50	WG1908799
Trichloroethene	U		4.00	10.0	250	08/12/2022 04:50	WG1908799
Trichlorofluoromethane	U		5.00	25.0	250	08/12/2022 04:50	WG1908799
1,2,3-Trichloropropane	U		51.0	125	250	08/12/2022 04:50	WG1908799
1,2,4-Trimethylbenzene	U		11.6	50.0	250	08/12/2022 04:50	WG1908799
1,2,3-Trimethylbenzene	U		11.5	50.0	250	08/12/2022 04:50	WG1908799
1,3,5-Trimethylbenzene	U		10.8	50.0	250	08/12/2022 04:50	WG1908799
Vinyl chloride	3870		6.82	25.0	250	08/12/2022 04:50	WG1908799
Xylenes, Total	U		47.8	65.0	250	08/12/2022 04:50	WG1908799
Ethyl Ether	U		4.25	25.0	250	08/12/2022 04:50	WG1908799
Tetrahydrofuran	U		22.5	125	250	08/12/2022 04:50	WG1908799
Iodomethane	U		60.5	125	250	08/12/2022 04:50	WG1908799
Allyl chloride	U		145	250	250	08/12/2022 04:50	WG1908799
Trans-1,4-Dichloro-2-butene	U		14.0	50.0	250	08/12/2022 04:50	WG1908799
(S) Toluene-d8	106			75.0-131		08/12/2022 04:50	WG1908799
(S) 4-Bromofluorobenzene	96.8			67.0-138		08/12/2022 04:50	WG1908799
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/12/2022 04:50	WG1908799

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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

Sample Narrative:

L1522618-30 WG1908799: Target compounds too high to run at a lower dilution.

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	9.95		0.548	1.00	1	08/11/2022 23:27	WG1908799
Acrylonitrile	U		0.0760	0.500	1	08/11/2022 23:27	WG1908799
Benzene	U		0.0160	0.0400	1	08/11/2022 23:27	WG1908799
Bromobenzene	U		0.0420	0.500	1	08/11/2022 23:27	WG1908799
Bromodichloromethane	U		0.0315	0.100	1	08/11/2022 23:27	WG1908799
Bromoform	U		0.239	1.00	1	08/11/2022 23:27	WG1908799
Bromomethane	U		0.148	0.500	1	08/11/2022 23:27	WG1908799
n-Butylbenzene	U		0.153	0.500	1	08/11/2022 23:27	WG1908799
sec-Butylbenzene	U		0.101	0.500	1	08/11/2022 23:27	WG1908799
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2022 23:27	WG1908799
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2022 23:27	WG1908799
Chlorobenzene	U		0.0229	0.100	1	08/11/2022 23:27	WG1908799
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2022 23:27	WG1908799
Chloroethane	U		0.0432	0.200	1	08/11/2022 23:27	WG1908799
Chloroform	U		0.0166	0.100	1	08/11/2022 23:27	WG1908799
Chloromethane	U		0.0556	0.500	1	08/11/2022 23:27	WG1908799
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2022 23:27	WG1908799
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2022 23:27	WG1908799
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2022 23:27	WG1908799
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2022 23:27	WG1908799
Dibromomethane	U		0.0400	0.200	1	08/11/2022 23:27	WG1908799
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2022 23:27	WG1908799
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2022 23:27	WG1908799
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2022 23:27	WG1908799
Dichlorodifluoromethane	U		0.0327	0.100	1	08/11/2022 23:27	WG1908799
1,1-Dichloroethane	U		0.0230	0.100	1	08/11/2022 23:27	WG1908799
1,2-Dichloroethane	U		0.0190	0.100	1	08/11/2022 23:27	WG1908799
1,1-Dichloroethene	U		0.0200	0.100	1	08/11/2022 23:27	WG1908799
cis-1,2-Dichloroethene	0.211		0.0276	0.100	1	08/11/2022 23:27	WG1908799
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/11/2022 23:27	WG1908799
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2022 23:27	WG1908799
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2022 23:27	WG1908799
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2022 23:27	WG1908799
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2022 23:27	WG1908799
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2022 23:27	WG1908799
2,2-Dichloropropane	U		0.0317	0.100	1	08/11/2022 23:27	WG1908799
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2022 23:27	WG1908799
Ethylbenzene	U		0.0212	0.100	1	08/11/2022 23:27	WG1908799
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2022 23:27	WG1908799
Isopropylbenzene	U		0.0345	0.100	1	08/11/2022 23:27	WG1908799
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2022 23:27	WG1908799
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2022 23:27	WG1908799
Methylene Chloride	U		0.265	1.00	1	08/11/2022 23:27	WG1908799
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/11/2022 23:27	WG1908799
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2022 23:27	WG1908799
Naphthalene	U		0.124	0.500	1	08/11/2022 23:27	WG1908799
n-Propylbenzene	U		0.0472	0.200	1	08/11/2022 23:27	WG1908799
Styrene	U		0.109	0.500	1	08/11/2022 23:27	WG1908799
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2022 23:27	WG1908799
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2022 23:27	WG1908799
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/11/2022 23:27	WG1908799
Tetrachloroethene	U		0.0280	0.100	1	08/11/2022 23:27	WG1908799
Toluene	0.0930	U	0.0500	0.200	1	08/11/2022 23:27	WG1908799
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/11/2022 23:27	WG1908799
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	08/11/2022 23:27	WG1908799
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2022 23:27	WG1908799

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2022 23:27	WG1908799
Trichloroethene	U		0.0160	0.0400	1	08/11/2022 23:27	WG1908799
Trichlorofluoromethane	U		0.0200	0.100	1	08/11/2022 23:27	WG1908799
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2022 23:27	WG1908799
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/11/2022 23:27	WG1908799
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2022 23:27	WG1908799
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2022 23:27	WG1908799
Vinyl chloride	0.191		0.0273	0.100	1	08/11/2022 23:27	WG1908799
Xylenes, Total	U		0.191	0.260	1	08/11/2022 23:27	WG1908799
Ethyl Ether	U		0.0170	0.100	1	08/11/2022 23:27	WG1908799
Tetrahydrofuran	0.898		0.0900	0.500	1	08/11/2022 23:27	WG1908799
Iodomethane	U		0.242	0.500	1	08/11/2022 23:27	WG1908799
Allyl chloride	U		0.580	1.00	1	08/11/2022 23:27	WG1908799
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2022 23:27	WG1908799
(S) Toluene-d8	102			75.0-131		08/11/2022 23:27	WG1908799
(S) 4-Bromofluorobenzene	107			67.0-138		08/11/2022 23:27	WG1908799
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/11/2022 23:27	WG1908799

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	2.95		0.548	1.00	1	08/18/2022 14:38	WG1911828
Acrylonitrile	U		0.0760	0.500	1	08/18/2022 14:38	WG1911828
Benzene	0.103		0.0160	0.0400	1	08/18/2022 14:38	WG1911828
Bromobenzene	U		0.0420	0.500	1	08/18/2022 14:38	WG1911828
Bromodichloromethane	U		0.0315	0.100	1	08/18/2022 14:38	WG1911828
Bromoform	U		0.239	1.00	1	08/18/2022 14:38	WG1911828
Bromomethane	U		0.148	0.500	1	08/18/2022 14:38	WG1911828
n-Butylbenzene	U		0.153	0.500	1	08/18/2022 14:38	WG1911828
sec-Butylbenzene	U		0.101	0.500	1	08/18/2022 14:38	WG1911828
tert-Butylbenzene	U		0.0620	0.200	1	08/18/2022 14:38	WG1911828
Carbon tetrachloride	U		0.0432	0.200	1	08/18/2022 14:38	WG1911828
Chlorobenzene	U		0.0229	0.100	1	08/18/2022 14:38	WG1911828
Chlorodibromomethane	U		0.0180	0.100	1	08/18/2022 14:38	WG1911828
Chloroethane	U		0.0432	0.200	1	08/18/2022 14:38	WG1911828
Chloroform	U		0.0166	0.100	1	08/18/2022 14:38	WG1911828
Chloromethane	U	C3 J3	0.0556	0.500	1	08/18/2022 14:38	WG1911828
2-Chlorotoluene	U		0.0368	0.100	1	08/18/2022 14:38	WG1911828
4-Chlorotoluene	U		0.0452	0.200	1	08/18/2022 14:38	WG1911828
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/18/2022 14:38	WG1911828
1,2-Dibromoethane	U		0.0210	0.100	1	08/18/2022 14:38	WG1911828
Dibromomethane	U		0.0400	0.200	1	08/18/2022 14:38	WG1911828
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/18/2022 14:38	WG1911828
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/18/2022 14:38	WG1911828
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/18/2022 14:38	WG1911828
Dichlorodifluoromethane	U		0.0327	0.100	1	08/18/2022 14:38	WG1911828
1,1-Dichloroethane	U		0.0230	0.100	1	08/18/2022 14:38	WG1911828
1,2-Dichloroethane	0.0250	C3 J	0.0190	0.100	1	08/18/2022 14:38	WG1911828
1,1-Dichloroethene	0.0710	J	0.0200	0.100	1	08/18/2022 14:38	WG1911828
cis-1,2-Dichloroethene	0.0660	J	0.0276	0.100	1	08/18/2022 14:38	WG1911828
trans-1,2-Dichloroethene	0.338		0.0572	0.200	1	08/18/2022 14:38	WG1911828
1,2-Dichloropropane	U		0.0508	0.200	1	08/18/2022 14:38	WG1911828
1,1-Dichloropropene	U		0.0280	0.100	1	08/18/2022 14:38	WG1911828
1,3-Dichloropropane	U		0.0700	0.200	1	08/18/2022 14:38	WG1911828
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/18/2022 14:38	WG1911828
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/18/2022 14:38	WG1911828
2,2-Dichloropropane	U		0.0317	0.100	1	08/18/2022 14:38	WG1911828
Di-isopropyl ether	U		0.0140	0.0400	1	08/18/2022 14:38	WG1911828
Ethylbenzene	U		0.0212	0.100	1	08/18/2022 14:38	WG1911828
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/18/2022 14:38	WG1911828
Isopropylbenzene	U		0.0345	0.100	1	08/18/2022 14:38	WG1911828
p-Isopropyltoluene	U		0.0932	0.200	1	08/18/2022 14:38	WG1911828
2-Butanone (MEK)	0.665	J	0.500	1.00	1	08/18/2022 14:38	WG1911828
Methylene Chloride	U		0.265	1.00	1	08/18/2022 14:38	WG1911828
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/18/2022 14:38	WG1911828
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/18/2022 14:38	WG1911828
Naphthalene	U		0.124	0.500	1	08/18/2022 14:38	WG1911828
n-Propylbenzene	U		0.0472	0.200	1	08/18/2022 14:38	WG1911828
Styrene	U		0.109	0.500	1	08/18/2022 14:38	WG1911828
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/18/2022 14:38	WG1911828
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/18/2022 14:38	WG1911828
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/18/2022 14:38	WG1911828
Tetrachloroethene	U		0.0280	0.100	1	08/18/2022 14:38	WG1911828
Toluene	U		0.0500	0.200	1	08/18/2022 14:38	WG1911828
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/18/2022 14:38	WG1911828
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/18/2022 14:38	WG1911828
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/18/2022 14:38	WG1911828

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/18/2022 14:38	WG1911828
Trichloroethene	0.0380	J	0.0160	0.0400	1	08/18/2022 14:38	WG1911828
Trichlorofluoromethane	U		0.0200	0.100	1	08/18/2022 14:38	WG1911828
1,2,3-Trichloropropane	U		0.204	0.500	1	08/18/2022 14:38	WG1911828
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/18/2022 14:38	WG1911828
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/18/2022 14:38	WG1911828
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/18/2022 14:38	WG1911828
Vinyl chloride	20.6		0.0273	0.100	1	08/18/2022 14:38	WG1911828
Xylenes, Total	U		0.191	0.260	1	08/18/2022 14:38	WG1911828
Ethyl Ether	U		0.0170	0.100	1	08/18/2022 14:38	WG1911828
Tetrahydrofuran	4.49		0.0900	0.500	1	08/18/2022 14:38	WG1911828
Iodomethane	U		0.242	0.500	1	08/18/2022 14:38	WG1911828
Allyl chloride	U		0.580	1.00	1	08/18/2022 14:38	WG1911828
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/18/2022 14:38	WG1911828
(S) Toluene-d8	108			75.0-131		08/18/2022 14:38	WG1911828
(S) 4-Bromofluorobenzene	99.0			67.0-138		08/18/2022 14:38	WG1911828
(S) 1,2-Dichloroethane-d4	84.4			70.0-130		08/18/2022 14:38	WG1911828

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
Acetone	3.34		0.548	1.00	1	08/11/2022 23:46	WG1908799
Acrylonitrile	U		0.0760	0.500	1	08/11/2022 23:46	WG1908799
Benzene	0.0330	J	0.0160	0.0400	1	08/11/2022 23:46	WG1908799
Bromobenzene	U		0.0420	0.500	1	08/11/2022 23:46	WG1908799
Bromodichloromethane	U		0.0315	0.100	1	08/11/2022 23:46	WG1908799
Bromoform	U		0.239	1.00	1	08/11/2022 23:46	WG1908799
Bromomethane	U		0.148	0.500	1	08/11/2022 23:46	WG1908799
n-Butylbenzene	U		0.153	0.500	1	08/11/2022 23:46	WG1908799
sec-Butylbenzene	U		0.101	0.500	1	08/11/2022 23:46	WG1908799
tert-Butylbenzene	U		0.0620	0.200	1	08/11/2022 23:46	WG1908799
Carbon tetrachloride	U		0.0432	0.200	1	08/11/2022 23:46	WG1908799
Chlorobenzene	U		0.0229	0.100	1	08/11/2022 23:46	WG1908799
Chlorodibromomethane	U		0.0180	0.100	1	08/11/2022 23:46	WG1908799
Chloroethane	0.417		0.0432	0.200	1	08/11/2022 23:46	WG1908799
Chloroform	U		0.0166	0.100	1	08/11/2022 23:46	WG1908799
Chloromethane	U		0.0556	0.500	1	08/11/2022 23:46	WG1908799
2-Chlorotoluene	U		0.0368	0.100	1	08/11/2022 23:46	WG1908799
4-Chlorotoluene	U		0.0452	0.200	1	08/11/2022 23:46	WG1908799
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/11/2022 23:46	WG1908799
1,2-Dibromoethane	U		0.0210	0.100	1	08/11/2022 23:46	WG1908799
Dibromomethane	U		0.0400	0.200	1	08/11/2022 23:46	WG1908799
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/11/2022 23:46	WG1908799
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/11/2022 23:46	WG1908799
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/11/2022 23:46	WG1908799
Dichlorodifluoromethane	U		0.0327	0.100	1	08/11/2022 23:46	WG1908799
1,1-Dichloroethane	0.0230	J	0.0230	0.100	1	08/11/2022 23:46	WG1908799
1,2-Dichloroethane	0.0270	J	0.0190	0.100	1	08/11/2022 23:46	WG1908799
1,1-Dichloroethene	0.413		0.0200	0.100	1	08/11/2022 23:46	WG1908799
cis-1,2-Dichloroethene	285		0.690	2.50	25	08/18/2022 13:24	WG1911828
trans-1,2-Dichloroethene	3.36		0.0572	0.200	1	08/11/2022 23:46	WG1908799
1,2-Dichloropropane	U		0.0508	0.200	1	08/11/2022 23:46	WG1908799
1,1-Dichloropropene	U		0.0280	0.100	1	08/11/2022 23:46	WG1908799
1,3-Dichloropropane	U		0.0700	0.200	1	08/11/2022 23:46	WG1908799
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/11/2022 23:46	WG1908799
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/11/2022 23:46	WG1908799
2,2-Dichloropropane	U		0.0317	0.100	1	08/11/2022 23:46	WG1908799
Di-isopropyl ether	U		0.0140	0.0400	1	08/11/2022 23:46	WG1908799
Ethylbenzene	0.0320	J	0.0212	0.100	1	08/11/2022 23:46	WG1908799
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/11/2022 23:46	WG1908799
Isopropylbenzene	U		0.0345	0.100	1	08/11/2022 23:46	WG1908799
p-Isopropyltoluene	U		0.0932	0.200	1	08/11/2022 23:46	WG1908799
2-Butanone (MEK)	U		0.500	1.00	1	08/11/2022 23:46	WG1908799
Methylene Chloride	U		0.265	1.00	1	08/11/2022 23:46	WG1908799
4-Methyl-2-pentanone (MIBK)	0.417	J	0.400	1.00	1	08/11/2022 23:46	WG1908799
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/11/2022 23:46	WG1908799
Naphthalene	U		0.124	0.500	1	08/11/2022 23:46	WG1908799
n-Propylbenzene	U		0.0472	0.200	1	08/11/2022 23:46	WG1908799
Styrene	U		0.109	0.500	1	08/11/2022 23:46	WG1908799
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/11/2022 23:46	WG1908799
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/11/2022 23:46	WG1908799
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/11/2022 23:46	WG1908799
Tetrachloroethene	U		0.0280	0.100	1	08/11/2022 23:46	WG1908799
Toluene	0.177	J	0.0500	0.200	1	08/11/2022 23:46	WG1908799
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/11/2022 23:46	WG1908799
1,2,4-Trichlorobenzene	U	C4	0.193	0.500	1	08/11/2022 23:46	WG1908799
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/11/2022 23:46	WG1908799

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/11/2022 23:46	WG1908799
Trichloroethene	0.500		0.0160	0.0400	1	08/11/2022 23:46	WG1908799
Trichlorofluoromethane	U		0.0200	0.100	1	08/11/2022 23:46	WG1908799
1,2,3-Trichloropropane	U		0.204	0.500	1	08/11/2022 23:46	WG1908799
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/11/2022 23:46	WG1908799
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/11/2022 23:46	WG1908799
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/11/2022 23:46	WG1908799
Vinyl chloride	43.8		0.0273	0.100	1	08/11/2022 23:46	WG1908799
Xylenes, Total	U		0.191	0.260	1	08/11/2022 23:46	WG1908799
Ethyl Ether	U		0.0170	0.100	1	08/11/2022 23:46	WG1908799
Tetrahydrofuran	U		0.0900	0.500	1	08/11/2022 23:46	WG1908799
Iodomethane	U		0.242	0.500	1	08/11/2022 23:46	WG1908799
Allyl chloride	U		0.580	1.00	1	08/11/2022 23:46	WG1908799
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/11/2022 23:46	WG1908799
(S) Toluene-d8	106			75.0-131		08/11/2022 23:46	WG1908799
(S) Toluene-d8	111			75.0-131		08/18/2022 13:24	WG1911828
(S) 4-Bromofluorobenzene	96.4			67.0-138		08/11/2022 23:46	WG1908799
(S) 4-Bromofluorobenzene	103			67.0-138		08/18/2022 13:24	WG1911828
(S) 1,2-Dichloroethane-d4	104			70.0-130		08/11/2022 23:46	WG1908799
(S) 1,2-Dichloroethane-d4	81.9			70.0-130		08/18/2022 13:24	WG1911828

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		27.4	50.0	50	08/12/2022 05:28	WG1908799
Acrylonitrile	U		3.80	25.0	50	08/12/2022 05:28	WG1908799
Benzene	U		0.800	2.00	50	08/12/2022 05:28	WG1908799
Bromobenzene	U		2.10	25.0	50	08/12/2022 05:28	WG1908799
Bromodichloromethane	U		1.58	5.00	50	08/12/2022 05:28	WG1908799
Bromoform	U		12.0	50.0	50	08/12/2022 05:28	WG1908799
Bromomethane	U		7.40	25.0	50	08/12/2022 05:28	WG1908799
n-Butylbenzene	U		7.65	25.0	50	08/12/2022 05:28	WG1908799
sec-Butylbenzene	U		5.05	25.0	50	08/12/2022 05:28	WG1908799
tert-Butylbenzene	U		3.10	10.0	50	08/12/2022 05:28	WG1908799
Carbon tetrachloride	U		2.16	10.0	50	08/12/2022 05:28	WG1908799
Chlorobenzene	U		1.15	5.00	50	08/12/2022 05:28	WG1908799
Chlorodibromomethane	U		0.900	5.00	50	08/12/2022 05:28	WG1908799
Chloroethane	U		2.16	10.0	50	08/12/2022 05:28	WG1908799
Chloroform	U		0.830	5.00	50	08/12/2022 05:28	WG1908799
Chloromethane	U		2.78	25.0	50	08/12/2022 05:28	WG1908799
2-Chlorotoluene	U		1.84	5.00	50	08/12/2022 05:28	WG1908799
4-Chlorotoluene	U		2.26	10.0	50	08/12/2022 05:28	WG1908799
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	08/12/2022 05:28	WG1908799
1,2-Dibromoethane	U		1.05	5.00	50	08/12/2022 05:28	WG1908799
Dibromomethane	U		2.00	10.0	50	08/12/2022 05:28	WG1908799
1,2-Dichlorobenzene	U		2.90	10.0	50	08/12/2022 05:28	WG1908799
1,3-Dichlorobenzene	U		3.40	10.0	50	08/12/2022 05:28	WG1908799
1,4-Dichlorobenzene	U		3.94	10.0	50	08/12/2022 05:28	WG1908799
Dichlorodifluoromethane	U		1.64	5.00	50	08/12/2022 05:28	WG1908799
1,1-Dichloroethane	U		1.15	5.00	50	08/12/2022 05:28	WG1908799
1,2-Dichloroethane	U		0.950	5.00	50	08/12/2022 05:28	WG1908799
1,1-Dichloroethene	53.5		1.00	5.00	50	08/12/2022 05:28	WG1908799
cis-1,2-Dichloroethene	468		1.38	5.00	50	08/12/2022 05:28	WG1908799
trans-1,2-Dichloroethene	26.9		2.86	10.0	50	08/12/2022 05:28	WG1908799
1,2-Dichloropropane	U		2.54	10.0	50	08/12/2022 05:28	WG1908799
1,1-Dichloropropene	U		1.40	5.00	50	08/12/2022 05:28	WG1908799
1,3-Dichloropropane	U		3.50	10.0	50	08/12/2022 05:28	WG1908799
cis-1,3-Dichloropropene	U		1.36	5.00	50	08/12/2022 05:28	WG1908799
trans-1,3-Dichloropropene	U		3.06	10.0	50	08/12/2022 05:28	WG1908799
2,2-Dichloropropane	U		1.59	5.00	50	08/12/2022 05:28	WG1908799
Di-isopropyl ether	U		0.700	2.00	50	08/12/2022 05:28	WG1908799
Ethylbenzene	U		1.06	5.00	50	08/12/2022 05:28	WG1908799
Hexachloro-1,3-butadiene	U		25.4	50.0	50	08/12/2022 05:28	WG1908799
Isopropylbenzene	U		1.73	5.00	50	08/12/2022 05:28	WG1908799
p-Isopropyltoluene	U		4.66	10.0	50	08/12/2022 05:28	WG1908799
2-Butanone (MEK)	U		25.0	50.0	50	08/12/2022 05:28	WG1908799
Methylene Chloride	U		13.3	50.0	50	08/12/2022 05:28	WG1908799
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	08/12/2022 05:28	WG1908799
Methyl tert-butyl ether	U		0.590	2.00	50	08/12/2022 05:28	WG1908799
Naphthalene	U		6.20	25.0	50	08/12/2022 05:28	WG1908799
n-Propylbenzene	U		2.36	10.0	50	08/12/2022 05:28	WG1908799
Styrene	U		5.45	25.0	50	08/12/2022 05:28	WG1908799
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	08/12/2022 05:28	WG1908799
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	08/12/2022 05:28	WG1908799
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	08/12/2022 05:28	WG1908799
Tetrachloroethene	6140		14.0	50.0	500	08/18/2022 13:43	WG1911828
Toluene	U		2.50	10.0	50	08/12/2022 05:28	WG1908799
1,2,3-Trichlorobenzene	U	C4	1.25	25.0	50	08/12/2022 05:28	WG1908799
1,2,4-Trichlorobenzene	U	C4	9.65	25.0	50	08/12/2022 05:28	WG1908799
1,1,1-Trichloroethane	U		0.550	5.00	50	08/12/2022 05:28	WG1908799

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
1,1,2-Trichloroethane	U		1.77	5.00	50	08/12/2022 05:28	WG1908799
Trichloroethene	3240		0.800	2.00	50	08/12/2022 05:28	WG1908799
Trichlorofluoromethane	U		1.00	5.00	50	08/12/2022 05:28	WG1908799
1,2,3-Trichloropropane	U		10.2	25.0	50	08/12/2022 05:28	WG1908799
1,2,4-Trimethylbenzene	U		2.32	10.0	50	08/12/2022 05:28	WG1908799
1,2,3-Trimethylbenzene	U		2.30	10.0	50	08/12/2022 05:28	WG1908799
1,3,5-Trimethylbenzene	U		2.16	10.0	50	08/12/2022 05:28	WG1908799
Vinyl chloride	13.0		1.36	5.00	50	08/12/2022 05:28	WG1908799
Xylenes, Total	U		9.55	13.0	50	08/12/2022 05:28	WG1908799
Ethyl Ether	U		0.850	5.00	50	08/12/2022 05:28	WG1908799
Tetrahydrofuran	U		4.50	25.0	50	08/12/2022 05:28	WG1908799
Iodomethane	U		12.1	25.0	50	08/12/2022 05:28	WG1908799
Allyl chloride	U		29.0	50.0	50	08/12/2022 05:28	WG1908799
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	08/12/2022 05:28	WG1908799
(S) Toluene-d8	105			75.0-131		08/12/2022 05:28	WG1908799
(S) Toluene-d8	111			75.0-131		08/18/2022 13:43	WG1911828
(S) 4-Bromofluorobenzene	97.8			67.0-138		08/12/2022 05:28	WG1908799
(S) 4-Bromofluorobenzene	101			67.0-138		08/18/2022 13:43	WG1911828
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/12/2022 05:28	WG1908799
(S) 1,2-Dichloroethane-d4	83.5			70.0-130		08/18/2022 13:43	WG1911828

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3823933-1 08/06/22 16:03

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1522574-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1522574-10 08/06/22 17:07 • (DUP) R3823933-3 08/06/22 17:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	18900	18400	1	2.59		15

L1522574-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1522574-16 08/06/22 20:44 • (DUP) R3823933-6 08/06/22 21:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	6740	6880	1	2.06		15

Laboratory Control Sample (LCS)

(LCS) R3823933-2 08/06/22 16:16

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	40700	102	80.0-120	

L1522574-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1522574-10 08/06/22 17:07 • (MS) R3823933-4 08/06/22 17:33 • (MSD) R3823933-5 08/06/22 17:45

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	18900	69000	68100	100	98.4	1	80.0-120			1.31	15

L1522574-16 Original Sample (OS) • Matrix Spike (MS)

(OS) L1522574-16 08/06/22 20:44 • (MS) R3823933-7 08/06/22 21:34

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	6740	56200	99.0	1	80.0-120	

Method Blank (MB)

(MB) R3823932-1 08/06/22 16:25

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

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R3823932-2 08/06/22 16:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Sulfate	40000	40300	101	80.0-120	

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3823924-1 08/07/22 18:19

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1522618-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1522618-06 08/07/22 19:50 • (DUP) R3823924-3 08/07/22 20:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	51800	51300	1	0.968		15

L1522708-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1522708-07 08/08/22 03:00 • (DUP) R3823924-6 08/08/22 03:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3823924-2 08/07/22 18:37

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	40800	102	80.0-120	

L1522618-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1522618-06 08/07/22 19:50 • (MS) R3823924-4 08/07/22 20:26 • (MSD) R3823924-5 08/07/22 20:44

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	51800	99400	99500	95.2	95.3	1	80.0-120			0.0378	15

L1522708-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1522708-07 08/08/22 03:00 • (MS) R3823924-7 08/08/22 03:36

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	U	51900	104	1	80.0-120	

Method Blank (MB)

(MB) R3824582-1 08/09/22 09:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

1 Cp

2 Tc

3 Ss

L1522618-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1522618-02 08/09/22 20:15 • (DUP) R3824582-3 08/09/22 20:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	U	U	1	0.000		15

4 Cn

5 Sr

L1523328-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1523328-05 08/10/22 02:31 • (DUP) R3824582-6 08/10/22 03:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	182000	183000	1	0.175		15

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R3824582-2 08/09/22 10:13

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	40000	100	80.0-120	

9 Sc

L1522831-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1522831-01 08/09/22 21:09 • (MS) R3824582-4 08/09/22 21:26 • (MSD) R3824582-5 08/09/22 21:44

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	38200	88600	89400	101	102	1	80.0-120			0.902	15

L1523328-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1523328-05 08/10/22 02:31 • (MS) R3824582-7 08/10/22 03:43

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	182000	228000	91.0	1	80.0-120	E

Method Blank (MB)

(MB) R3827318-2 08/16/22 11:18

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	211	↓	102	1000

1 Cp

2 Tc

3 Ss

L1521679-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1521679-07 08/16/22 17:25 • (DUP) R3827318-3 08/16/22 17:41

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	589	711	1	18.8	↓	20

4 Cn

5 Sr

L1521679-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1521679-11 08/16/22 17:57 • (DUP) R3827318-4 08/16/22 18:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	1560	1700	1	8.59		20

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R3827318-1 08/16/22 11:03

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	75000	74100	98.7	85.0-115	

9 Sc

L1521679-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1521679-17 08/16/22 19:57 • (MS) R3827318-5 08/16/22 20:22 • (MSD) R3827318-6 08/16/22 20:46

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	50000	464	58200	58200	116	115	1	80.0-120			0.0687	20

L1521914-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1521914-01 08/16/22 21:03 • (MS) R3827318-7 08/16/22 21:21 • (MSD) R3827318-8 08/16/22 21:40

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	50000	5780	28700	26100	45.7	40.7	1	80.0-120	J6	J6	9.24	20

Method Blank (MB)

(MB) R3828464-2 08/19/22 14:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	415	↓	102	1000

¹Cp

²Tc

³Ss

Method Blank (MB)

(MB) R3832236-2 08/30/22 23:33

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	349	↓	102	1000

⁴Cn

⁵Sr

⁶Qc

L1522618-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1522618-06 08/31/22 00:09 • (DUP) R3832236-3 08/31/22 00:28

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	8770	8740	1	0.343		20

⁷Gl

⁸Al

⁹Sc

L1522618-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1522618-07 08/31/22 00:44 • (DUP) R3832236-4 08/31/22 01:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	1660	1650	1	0.423		20

Laboratory Control Sample (LCS)

(LCS) R3828464-1 08/19/22 13:57

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	72900	97.2	85.0-115	

Laboratory Control Sample (LCS)

(LCS) R3832236-1 08/30/22 23:17

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	72700	97.0	85.0-115	

L1522676-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1522676-04 08/19/22 14:29 • (MS) R3828464-3 08/19/22 14:51 • (MSD) R3828464-4 08/19/22 15:14

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 %
TOC (Total Organic Carbon)	50000	275	56700	56800	113	113	1	80.0-120			0.176	20

L1523678-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1523678-01 08/19/22 15:30 • (MS) R3828464-5 08/19/22 15:54 • (MSD) R3828464-6 08/19/22 16:18

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 %
TOC (Total Organic Carbon)	50000	3390	60300	59700	114	113	1	80.0-120			0.984	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3826883-1 08/16/22 13:52

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3826883-2 08/16/22 13:55

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	4720	94.4	80.0-120	
Manganese	50.0	47.3	94.6	80.0-120	

L1522618-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1522618-07 08/16/22 13:58 • (MS) R3826883-4 08/16/22 14:05 • (MSD) R3826883-5 08/16/22 14:08

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	2010	6750	6580	94.9	91.5	1	75.0-125			2.55	20
Manganese	50.0	397	444	437	94.0	79.9	1	75.0-125			1.60	20

Method Blank (MB)

(MB) R3826920-1 08/16/22 15:57

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3826920-2 08/16/22 16:01

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	4870	97.4	80.0-120	
Manganese	50.0	48.3	96.5	80.0-120	

L1522618-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1522618-12 08/16/22 16:04 • (MS) R3826920-4 08/16/22 16:10 • (MSD) R3826920-5 08/16/22 16:13

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	5350	10000	10200	94.0	97.8	1	75.0-125			1.86	20
Manganese	50.0	1430	1470	1480	86.0	99.2	1	75.0-125			0.448	20

Method Blank (MB)

(MB) R3826750-2 08/10/22 14:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	98.4			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3826750-1 08/10/22 14:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5400	98.2	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			97.9	78.0-120	

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

Method Blank (MB)

(MB) R3825102-2 08/11/22 09:24

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ethane	U		0.296	1.29
Ethene	U		0.422	1.27

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1522574-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1522574-10 08/11/22 10:05 • (DUP) R3825102-3 08/11/22 10:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1522574-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1522574-16 08/11/22 10:29 • (DUP) R3825102-4 08/11/22 11:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

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

(LCS) R3825102-1 08/11/22 09:21 • (LCSD) R3825102-5 08/11/22 11:09

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Ethane	129	121	121	93.8	93.8	85.0-115			0.000	20
Ethene	127	122	121	96.1	95.3	85.0-115			0.823	20

Method Blank (MB)

(MB) R3824612-2 08/10/22 09:44

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

L1522618-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1522618-07 08/10/22 11:15 • (DUP) R3824612-3 08/10/22 11:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	111	110	1	0.905		20
Ethane	1.06	1.05	1	200	U	20
Ethene	U	U	1	0.000		20

L1523328-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1523328-04 08/10/22 12:18 • (DUP) R3824612-4 08/10/22 12:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
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) R3824612-1 08/10/22 09:38 • (LCSD) R3824612-7 08/10/22 12:33

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	70.2	66.6	104	98.2	85.0-115			5.26	20
Ethane	129	123	116	95.3	89.9	85.0-115			5.86	20
Ethene	127	124	117	97.6	92.1	85.0-115			5.81	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1522831-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1522831-01 08/10/22 11:44 • (MS) R3824612-5 08/10/22 12:26 • (MSD) R3824612-6 08/10/22 12:29

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 %
Methane	67.8	U	70.8	70.8	104	104	1	85.0-115			0.000	20
Ethane	129	U	113	118	87.6	91.5	1	85.0-115			4.33	20
Ethene	127	U	113	118	89.0	92.9	1	85.0-115			4.33	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3825348-2 08/11/22 14:02

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

1 Cp

2 Tc

3 Ss

L1523104-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1523104-02 08/11/22 14:48 • (DUP) R3825348-3 08/11/22 14:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	10800	11000	10	1.83		20

4 Cn

5 Sr

L1523697-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1523697-07 08/11/22 16:15 • (DUP) R3825348-4 08/11/22 16:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	1940	2090	1	7.44		20

6 Qc

7 Gl

8 Al

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

(LCS) R3825348-1 08/11/22 13:59 • (LCSD) R3825348-5 08/11/22 16:31

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Methane	67.8	67.2	64.8	99.1	95.6	85.0-115			3.64	20

9 Sc

Method Blank (MB)

(MB) R3824346-3 08/07/22 23:41

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3824346-3 08/07/22 23:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	102			75.0-131
(S) 4-Bromofluorobenzene	96.1			67.0-138
(S) 1,2-Dichloroethane-d4	97.1			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3824346-1 08/07/22 22:03 • (LCSD) R3824346-2 08/07/22 22:23

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 %
Acetone	25.0	26.0	23.4	104	93.6	10.0-160			10.5	31
Acrylonitrile	25.0	23.0	22.4	92.0	89.6	45.0-153			2.64	22
Benzene	5.00	4.43	4.56	88.6	91.2	70.0-123			2.89	20
Bromobenzene	5.00	4.81	5.15	96.2	103	73.0-121			6.83	20
Bromodichloromethane	5.00	4.76	4.83	95.2	96.6	73.0-121			1.46	20
Bromoform	5.00	3.83	3.80	76.6	76.0	64.0-132			0.786	20
Bromomethane	5.00	3.98	3.99	79.6	79.8	56.0-147			0.251	20
n-Butylbenzene	5.00	4.99	4.95	99.8	99.0	68.0-135			0.805	20
sec-Butylbenzene	5.00	5.03	5.47	101	109	74.0-130			8.38	20
tert-Butylbenzene	5.00	4.91	5.19	98.2	104	75.0-127			5.54	20
Carbon tetrachloride	5.00	5.04	5.06	101	101	66.0-128			0.396	20
Chlorobenzene	5.00	4.37	4.36	87.4	87.2	76.0-128			0.229	20
Chlorodibromomethane	5.00	4.03	4.20	80.6	84.0	74.0-127			4.13	20
Chloroethane	5.00	4.16	4.19	83.2	83.8	61.0-134			0.719	20
Chloroform	5.00	4.53	4.67	90.6	93.4	72.0-123			3.04	20
Chloromethane	5.00	3.62	3.58	72.4	71.6	51.0-138			1.11	20
2-Chlorotoluene	5.00	4.95	5.21	99.0	104	75.0-124			5.12	20
4-Chlorotoluene	5.00	4.68	4.90	93.6	98.0	75.0-124			4.59	20
1,2-Dibromo-3-Chloropropane	5.00	3.76	3.86	75.2	77.2	59.0-130			2.62	20
1,2-Dibromoethane	5.00	4.29	4.66	85.8	93.2	74.0-128			8.27	20
Dibromomethane	5.00	4.77	4.68	95.4	93.6	75.0-122			1.90	20
1,2-Dichlorobenzene	5.00	4.58	4.78	91.6	95.6	76.0-124			4.27	20
1,3-Dichlorobenzene	5.00	4.70	4.73	94.0	94.6	76.0-125			0.636	20
1,4-Dichlorobenzene	5.00	4.34	4.70	86.8	94.0	77.0-121			7.96	20
Dichlorodifluoromethane	5.00	4.53	4.70	90.6	94.0	43.0-156			3.68	20
1,1-Dichloroethane	5.00	4.46	4.39	89.2	87.8	70.0-127			1.58	20
1,2-Dichloroethane	5.00	4.41	4.46	88.2	89.2	65.0-131			1.13	20
1,1-Dichloroethene	5.00	4.91	4.91	98.2	98.2	65.0-131			0.000	20
cis-1,2-Dichloroethene	5.00	4.55	4.62	91.0	92.4	73.0-125			1.53	20
trans-1,2-Dichloroethene	5.00	4.46	4.21	89.2	84.2	71.0-125			5.77	20
1,2-Dichloropropane	5.00	4.63	4.75	92.6	95.0	74.0-125			2.56	20
1,1-Dichloropropene	5.00	4.85	4.93	97.0	98.6	73.0-125			1.64	20
1,3-Dichloropropane	5.00	4.70	4.79	94.0	95.8	80.0-125			1.90	20
cis-1,3-Dichloropropene	5.00	4.47	4.76	89.4	95.2	76.0-127			6.28	20
trans-1,3-Dichloropropene	5.00	4.25	4.43	85.0	88.6	73.0-127			4.15	20
2,2-Dichloropropane	5.00	4.84	4.75	96.8	95.0	59.0-135			1.88	20
Di-isopropyl ether	5.00	4.51	4.42	90.2	88.4	60.0-136			2.02	20
Ethylbenzene	5.00	4.22	4.23	84.4	84.6	74.0-126			0.237	20
Hexachloro-1,3-butadiene	5.00	4.83	4.75	96.6	95.0	57.0-150			1.67	20
Isopropylbenzene	5.00	4.43	4.44	88.6	88.8	72.0-127			0.225	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3824346-1 08/07/22 22:03 • (LCSD) R3824346-2 08/07/22 22:23

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 %
p-Isopropyltoluene	5.00	4.67	4.84	93.4	96.8	72.0-133			3.58	20
2-Butanone (MEK)	25.0	24.7	25.2	98.8	101	30.0-160			2.00	24
Methylene Chloride	5.00	4.61	4.71	92.2	94.2	68.0-123			2.15	20
4-Methyl-2-pentanone (MIBK)	25.0	21.9	21.7	87.6	86.8	56.0-143			0.917	20
Methyl tert-butyl ether	5.00	4.58	4.48	91.6	89.6	66.0-132			2.21	20
Naphthalene	5.00	4.76	5.02	95.2	100	59.0-130			5.32	20
n-Propylbenzene	5.00	4.44	4.59	88.8	91.8	74.0-126			3.32	20
Styrene	5.00	4.19	4.11	83.8	82.2	72.0-127			1.93	20
1,1,1,2-Tetrachloroethane	5.00	4.00	4.29	80.0	85.8	74.0-129			7.00	20
1,1,2,2-Tetrachloroethane	5.00	4.77	4.72	95.4	94.4	68.0-128			1.05	20
1,1,2-Trichlorotrifluoroethane	5.00	5.66	5.83	113	117	61.0-139			2.96	20
Tetrachloroethene	5.00	4.73	4.99	94.6	99.8	70.0-136			5.35	20
Toluene	5.00	4.43	4.53	88.6	90.6	75.0-121			2.23	20
1,2,3-Trichlorobenzene	5.00	4.93	5.12	98.6	102	59.0-139			3.78	20
1,2,4-Trichlorobenzene	5.00	5.29	5.11	106	102	62.0-137			3.46	20
1,1,1-Trichloroethane	5.00	4.72	4.61	94.4	92.2	69.0-126			2.36	20
1,1,2-Trichloroethane	5.00	4.83	4.56	96.6	91.2	78.0-123			5.75	20
Trichloroethene	5.00	4.32	4.38	86.4	87.6	76.0-126			1.38	20
Trichlorofluoromethane	5.00	4.99	5.07	99.8	101	61.0-142			1.59	20
1,2,3-Trichloropropane	5.00	4.73	4.92	94.6	98.4	67.0-129			3.94	20
1,2,4-Trimethylbenzene	5.00	4.60	4.86	92.0	97.2	70.0-126			5.50	20
1,2,3-Trimethylbenzene	5.00	4.20	4.39	84.0	87.8	74.0-124			4.42	20
1,3,5-Trimethylbenzene	5.00	4.82	5.00	96.4	100	73.0-127			3.67	20
Vinyl chloride	5.00	4.43	4.21	88.6	84.2	63.0-134			5.09	20
Xylenes, Total	15.0	13.0	13.0	86.7	86.7	72.0-127			0.000	20
Ethyl ether	5.00	4.27	4.23	85.4	84.6	64.0-137			0.941	20
Tetrahydrofuran	5.00	4.39	4.15	87.8	83.0	37.0-146			5.62	24
Iodomethane	25.0	21.5	21.2	86.0	84.8	74.0-134			1.41	20
Allyl chloride	25.0	21.5	21.6	86.0	86.4	70.0-131			0.464	20
trans-1,4-Dichloro-2-butene	5.00	5.31	5.55	106	111	45.0-143			4.42	20
(S) Toluene-d8				99.1	98.9	75.0-131				
(S) 4-Bromofluorobenzene				96.8	96.6	67.0-138				
(S) 1,2-Dichloroethane-d4				104	103	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1521519-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1521519-04 08/08/22 00:41 • (MS) R3824346-4 08/08/22 06:31 • (MSD) R3824346-5 08/08/22 06:50

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 %
Acetone	25.0	2.08	28.8	U	107	0.000	1	10.0-160		J3 J6	200	40
Acrylonitrile	25.0	U	24.4	28.6	97.6	114	1	10.0-160			15.8	40
Benzene	5.00	0.396	4.63	4.92	84.7	90.5	1	10.0-149			6.07	37
Bromobenzene	5.00	U	4.85	4.97	97.0	99.4	1	10.0-156			2.44	38
Bromodichloromethane	5.00	U	5.13	5.42	103	108	1	10.0-143			5.50	37
Bromoform	5.00	U	4.02	4.46	80.4	89.2	1	10.0-146			10.4	36
Bromomethane	5.00	U	3.11	3.24	62.2	64.8	1	10.0-149			4.09	38
n-Butylbenzene	5.00	U	5.02	5.33	100	107	1	10.0-160			5.99	40
sec-Butylbenzene	5.00	U	5.41	5.53	108	111	1	10.0-159			2.19	39
tert-Butylbenzene	5.00	U	5.08	5.20	102	104	1	10.0-156			2.33	39
Carbon tetrachloride	5.00	U	6.03	5.94	121	119	1	10.0-145			1.50	37
Chlorobenzene	5.00	0.0360	4.16	4.32	82.5	85.7	1	10.0-152			3.77	39
Chlorodibromomethane	5.00	U	4.44	4.44	88.8	88.8	1	10.0-146			0.000	37
Chloroethane	5.00	U	3.67	3.59	73.4	71.8	1	10.0-146			2.20	40
Chloroform	5.00	0.297	5.12	5.29	96.5	99.9	1	10.0-146			3.27	37
Chloromethane	5.00	U	2.58	2.63	51.6	52.6	1	10.0-159			1.92	37
2-Chlorotoluene	5.00	U	4.90	5.26	98.0	105	1	10.0-159			7.09	38
4-Chlorotoluene	5.00	U	4.76	4.73	95.2	94.6	1	10.0-155			0.632	39
1,2-Dibromo-3-Chloropropane	5.00	U	4.65	4.70	93.0	94.0	1	10.0-151			1.07	39
1,2-Dibromoethane	5.00	U	4.09	4.46	81.8	89.2	1	10.0-148			8.65	34
Dibromomethane	5.00	U	4.79	4.93	95.8	98.6	1	10.0-147			2.88	35
1,2-Dichlorobenzene	5.00	U	4.94	5.00	98.8	100	1	10.0-155			1.21	37
1,3-Dichlorobenzene	5.00	U	4.72	4.71	94.4	94.2	1	10.0-153			0.212	38
1,4-Dichlorobenzene	5.00	U	4.64	4.60	92.8	92.0	1	10.0-151			0.866	38
Dichlorodifluoromethane	5.00	U	4.69	4.95	93.8	99.0	1	10.0-160			5.39	35
1,1-Dichloroethane	5.00	4.26	9.08	8.84	96.4	91.6	1	10.0-147			2.68	37
1,2-Dichloroethane	5.00	U	4.45	4.67	89.0	93.4	1	10.0-148			4.82	35
1,1-Dichloroethene	5.00	0.105	4.38	4.60	85.5	89.9	1	10.0-155			4.90	37
cis-1,2-Dichloroethene	5.00	25.9	31.7	31.6	116	114	1	10.0-149			0.316	37
trans-1,2-Dichloroethene	5.00	0.121	3.68	3.74	71.2	72.4	1	10.0-150			1.62	37
1,2-Dichloropropane	5.00	U	4.72	4.83	94.4	96.6	1	10.0-148			2.30	37
1,1-Dichloropropene	5.00	U	4.41	4.58	88.2	91.6	1	10.0-153			3.78	35
1,3-Dichloropropane	5.00	U	4.47	4.86	89.4	97.2	1	10.0-154			8.36	35
cis-1,3-Dichloropropene	5.00	U	4.43	4.55	88.6	91.0	1	10.0-151			2.67	37
trans-1,3-Dichloropropene	5.00	U	4.30	4.43	86.0	88.6	1	10.0-148			2.98	37
2,2-Dichloropropane	5.00	U	5.38	5.50	108	110	1	10.0-138			2.21	36
Di-isopropyl ether	5.00	U	4.54	4.75	90.8	95.0	1	10.0-147			4.52	36
Ethylbenzene	5.00	U	4.09	4.29	81.8	85.8	1	10.0-160			4.77	38
Hexachloro-1,3-butadiene	5.00	U	5.22	5.58	104	112	1	10.0-160			6.67	40
Isopropylbenzene	5.00	U	4.61	4.89	92.2	97.8	1	10.0-155			5.89	38

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1521519-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1521519-04 08/08/22 00:41 • (MS) R3824346-4 08/08/22 06:31 • (MSD) R3824346-5 08/08/22 06:50

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 %
p-Isopropyltoluene	5.00	U	4.88	5.04	97.6	101	1	10.0-160			3.23	40
2-Butanone (MEK)	25.0	U	23.7	25.0	94.8	100	1	10.0-160			5.34	40
Methylene Chloride	5.00	U	4.43	4.57	88.6	91.4	1	10.0-141			3.11	37
4-Methyl-2-pentanone (MIBK)	25.0	U	21.7	23.3	86.8	93.2	1	10.0-160			7.11	35
Methyl tert-butyl ether	5.00	U	4.87	5.09	97.4	102	1	11.0-147			4.42	35
Naphthalene	5.00	U	5.25	5.51	105	110	1	10.0-160			4.83	36
n-Propylbenzene	5.00	U	4.42	4.50	88.4	90.0	1	10.0-158			1.79	38
Styrene	5.00	U	4.02	4.39	80.4	87.8	1	10.0-160			8.80	40
1,1,1,2-Tetrachloroethane	5.00	U	4.45	4.58	89.0	91.6	1	10.0-149			2.88	39
1,1,2,2-Tetrachloroethane	5.00	0.0800	5.20	5.47	102	108	1	10.0-160			5.06	35
1,1,2-Trichlorotrifluoroethane	5.00	U	6.19	6.44	124	129	1	10.0-160			3.96	36
Tetrachloroethene	5.00	2.50	6.91	6.78	88.2	85.6	1	10.0-156			1.90	39
Toluene	5.00	U	4.15	4.23	83.0	84.6	1	10.0-156			1.91	38
1,2,3-Trichlorobenzene	5.00	U	5.30	5.61	106	112	1	10.0-160			5.68	40
1,2,4-Trichlorobenzene	5.00	U	5.24	5.77	105	115	1	10.0-160			9.63	40
1,1,1-Trichloroethane	5.00	2.87	8.38	8.45	110	112	1	10.0-144			0.832	35
1,1,2-Trichloroethane	5.00	0.0550	4.92	5.13	97.3	102	1	10.0-160			4.18	35
Trichloroethene	5.00	19.6	23.5	23.1	78.0	70.0	1	10.0-156			1.72	38
Trichlorofluoromethane	5.00	U	5.29	5.25	106	105	1	10.0-160			0.759	40
1,2,3-Trichloropropane	5.00	U	4.73	4.66	94.6	93.2	1	10.0-156			1.49	35
1,2,4-Trimethylbenzene	5.00	U	4.76	4.76	95.2	95.2	1	10.0-160			0.000	36
1,2,3-Trimethylbenzene	5.00	U	4.38	4.43	87.6	88.6	1	10.0-160			1.14	36
1,3,5-Trimethylbenzene	5.00	U	4.67	4.91	93.4	98.2	1	10.0-160			5.01	38
Vinyl chloride	5.00	U	3.56	3.74	71.2	74.8	1	10.0-160			4.93	37
Xylenes, Total	15.0	U	12.6	13.1	84.0	87.3	1	10.0-160			3.89	38
Ethyl ether	5.00	U	4.19	4.31	83.8	86.2	1	10.0-160			2.82	31
Tetrahydrofuran	5.00	U	3.79	5.94	75.8	119	1	10.0-158		J3	44.2	33
Iodomethane	25.0	U	18.1	18.5	72.4	74.0	1	10.0-160			2.19	38
Allyl chloride	25.0	U	20.1	20.3	80.4	81.2	1	10.0-160			0.990	30
trans-1,4-Dichloro-2-butene	5.00	U	4.07	4.12	81.4	82.4	1	10.0-152			1.22	36
(S) Toluene-d8					96.5	95.9		75.0-131				
(S) 4-Bromofluorobenzene					94.2	95.2		67.0-138				
(S) 1,2-Dichloroethane-d4					109	109		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3826671-2 08/08/22 22:51

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3826671-2 08/08/22 22:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	107			75.0-131
(S) 4-Bromofluorobenzene	100			67.0-138
(S) 1,2-Dichloroethane-d4	88.6			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3826671-1 08/08/22 21:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetone	25.0	22.7	90.8	10.0-160	
Acrylonitrile	25.0	26.7	107	45.0-153	
Benzene	5.00	5.81	116	70.0-123	
Bromobenzene	5.00	5.20	104	73.0-121	
Bromodichloromethane	5.00	5.85	117	73.0-121	
Bromoform	5.00	4.91	98.2	64.0-132	
Bromomethane	5.00	6.62	132	56.0-147	
n-Butylbenzene	5.00	5.63	113	68.0-135	
sec-Butylbenzene	5.00	5.55	111	74.0-130	
tert-Butylbenzene	5.00	5.61	112	75.0-127	
Carbon tetrachloride	5.00	5.97	119	66.0-128	
Chlorobenzene	5.00	5.87	117	76.0-128	
Chlorodibromomethane	5.00	5.37	107	74.0-127	
Chloroethane	5.00	6.10	122	61.0-134	
Chloroform	5.00	5.60	112	72.0-123	
Chloromethane	5.00	6.28	126	51.0-138	
2-Chlorotoluene	5.00	5.66	113	75.0-124	
4-Chlorotoluene	5.00	5.30	106	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.79	95.8	59.0-130	
1,2-Dibromoethane	5.00	5.15	103	74.0-128	
Dibromomethane	5.00	5.43	109	75.0-122	
1,2-Dichlorobenzene	5.00	5.54	111	76.0-124	
1,3-Dichlorobenzene	5.00	5.66	113	76.0-125	
1,4-Dichlorobenzene	5.00	5.66	113	77.0-121	
Dichlorodifluoromethane	5.00	5.95	119	43.0-156	
1,1-Dichloroethane	5.00	5.99	120	70.0-127	
1,2-Dichloroethane	5.00	5.64	113	65.0-131	
1,1-Dichloroethene	5.00	6.10	122	65.0-131	
cis-1,2-Dichloroethene	5.00	5.85	117	73.0-125	
trans-1,2-Dichloroethene	5.00	5.88	118	71.0-125	
1,2-Dichloropropane	5.00	6.43	129	74.0-125	J4
1,1-Dichloropropene	5.00	5.30	106	73.0-125	
1,3-Dichloropropane	5.00	5.32	106	80.0-125	
cis-1,3-Dichloropropene	5.00	5.77	115	76.0-127	
trans-1,3-Dichloropropene	5.00	5.58	112	73.0-127	
2,2-Dichloropropane	5.00	6.73	135	59.0-135	
Di-isopropyl ether	5.00	6.08	122	60.0-136	
Ethylbenzene	5.00	5.59	112	74.0-126	
Hexachloro-1,3-butadiene	5.00	5.64	113	57.0-150	
Isopropylbenzene	5.00	5.76	115	72.0-127	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3826671-1 08/08/22 21:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
p-Isopropyltoluene	5.00	5.87	117	72.0-133	
2-Butanone (MEK)	25.0	27.0	108	30.0-160	
Methylene Chloride	5.00	5.07	101	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	27.9	112	56.0-143	
Methyl tert-butyl ether	5.00	5.62	112	66.0-132	
Naphthalene	5.00	4.30	86.0	59.0-130	
n-Propylbenzene	5.00	5.51	110	74.0-126	
Styrene	5.00	5.08	102	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	5.76	115	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	5.14	103	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	5.50	110	61.0-139	
Tetrachloroethene	5.00	5.75	115	70.0-136	
Toluene	5.00	5.67	113	75.0-121	
1,2,3-Trichlorobenzene	5.00	5.56	111	59.0-139	
1,2,4-Trichlorobenzene	5.00	4.69	93.8	62.0-137	
1,1,1-Trichloroethane	5.00	5.96	119	69.0-126	
1,1,2-Trichloroethane	5.00	5.43	109	78.0-123	
Trichloroethene	5.00	6.19	124	76.0-126	
Trichlorofluoromethane	5.00	5.81	116	61.0-142	
1,2,3-Trichloropropane	5.00	4.62	92.4	67.0-129	
1,2,4-Trimethylbenzene	5.00	5.63	113	70.0-126	
1,2,3-Trimethylbenzene	5.00	5.75	115	74.0-124	
1,3,5-Trimethylbenzene	5.00	5.49	110	73.0-127	
Vinyl chloride	5.00	6.73	135	63.0-134	J4
Xylenes, Total	15.0	17.8	119	72.0-127	
Ethyl ether	5.00	5.47	109	64.0-137	
Tetrahydrofuran	5.00	5.00	100	37.0-146	
Iodomethane	25.0	29.2	117	74.0-134	
Allyl chloride	25.0	29.9	120	70.0-131	
trans-1,4-Dichloro-2-butene	5.00	4.67	93.4	45.0-143	
(S) Toluene-d8			100	75.0-131	
(S) 4-Bromofluorobenzene			105	67.0-138	
(S) 1,2-Dichloroethane-d4			98.3	70.0-130	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3826845-2 08/11/22 23:08

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3826845-2 08/11/22 23:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	102			75.0-131
(S) 4-Bromofluorobenzene	106			67.0-138
(S) 1,2-Dichloroethane-d4	107			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3826845-1 08/11/22 22:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetone	25.0	28.2	113	10.0-160	
Acrylonitrile	25.0	27.5	110	45.0-153	
Benzene	5.00	4.73	94.6	70.0-123	
Bromobenzene	5.00	5.24	105	73.0-121	
Bromodichloromethane	5.00	4.76	95.2	73.0-121	
Bromoform	5.00	4.73	94.6	64.0-132	
Bromomethane	5.00	4.21	84.2	56.0-147	
n-Butylbenzene	5.00	4.94	98.8	68.0-135	
sec-Butylbenzene	5.00	5.48	110	74.0-130	
tert-Butylbenzene	5.00	5.40	108	75.0-127	
Carbon tetrachloride	5.00	5.54	111	66.0-128	
Chlorobenzene	5.00	4.78	95.6	76.0-128	
Chlorodibromomethane	5.00	4.87	97.4	74.0-127	
Chloroethane	5.00	4.71	94.2	61.0-134	
Chloroform	5.00	4.69	93.8	72.0-123	
Chloromethane	5.00	4.39	87.8	51.0-138	
2-Chlorotoluene	5.00	4.94	98.8	75.0-124	
4-Chlorotoluene	5.00	5.19	104	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	5.13	103	59.0-130	
1,2-Dibromoethane	5.00	4.83	96.6	74.0-128	
Dibromomethane	5.00	4.84	96.8	75.0-122	
1,2-Dichlorobenzene	5.00	4.92	98.4	76.0-124	
1,3-Dichlorobenzene	5.00	5.06	101	76.0-125	
1,4-Dichlorobenzene	5.00	5.17	103	77.0-121	
Dichlorodifluoromethane	5.00	4.49	89.8	43.0-156	
1,1-Dichloroethane	5.00	4.66	93.2	70.0-127	
1,2-Dichloroethane	5.00	4.99	99.8	65.0-131	
1,1-Dichloroethene	5.00	4.81	96.2	65.0-131	
cis-1,2-Dichloroethene	5.00	4.61	92.2	73.0-125	
trans-1,2-Dichloroethene	5.00	4.51	90.2	71.0-125	
1,2-Dichloropropane	5.00	4.90	98.0	74.0-125	
1,1-Dichloropropene	5.00	5.18	104	73.0-125	
1,3-Dichloropropane	5.00	5.11	102	80.0-125	
cis-1,3-Dichloropropene	5.00	4.73	94.6	76.0-127	
trans-1,3-Dichloropropene	5.00	5.06	101	73.0-127	
2,2-Dichloropropane	5.00	5.22	104	59.0-135	
Di-isopropyl ether	5.00	4.89	97.8	60.0-136	
Ethylbenzene	5.00	4.98	99.6	74.0-126	
Hexachloro-1,3-butadiene	5.00	4.88	97.6	57.0-150	
Isopropylbenzene	5.00	4.95	99.0	72.0-127	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3826845-1 08/11/22 22:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
p-Isopropyltoluene	5.00	5.11	102	72.0-133	
2-Butanone (MEK)	25.0	29.3	117	30.0-160	
Methylene Chloride	5.00	4.62	92.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	28.2	113	56.0-143	
Methyl tert-butyl ether	5.00	4.35	87.0	66.0-132	
Naphthalene	5.00	4.71	94.2	59.0-130	
n-Propylbenzene	5.00	5.41	108	74.0-126	
Styrene	5.00	4.61	92.2	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.61	92.2	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	5.00	100	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.70	94.0	61.0-139	
Tetrachloroethene	5.00	5.31	106	70.0-136	
Toluene	5.00	4.84	96.8	75.0-121	
1,2,3-Trichlorobenzene	5.00	5.21	104	59.0-139	
1,2,4-Trichlorobenzene	5.00	5.15	103	62.0-137	
1,1,1-Trichloroethane	5.00	4.80	96.0	69.0-126	
1,1,2-Trichloroethane	5.00	5.10	102	78.0-123	
Trichloroethene	5.00	4.78	95.6	76.0-126	
Trichlorofluoromethane	5.00	4.46	89.2	61.0-142	
1,2,3-Trichloropropane	5.00	5.61	112	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.99	99.8	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.79	95.8	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.99	99.8	73.0-127	
Vinyl chloride	5.00	5.10	102	63.0-134	
Xylenes, Total	15.0	14.0	93.3	72.0-127	
Ethyl ether	5.00	4.87	97.4	64.0-137	
Tetrahydrofuran	5.00	5.47	109	37.0-146	
Iodomethane	25.0	21.9	87.6	74.0-134	
Allyl chloride	25.0	23.6	94.4	70.0-131	
trans-1,4-Dichloro-2-butene	5.00	5.55	111	45.0-143	
<i>(S) Toluene-d8</i>			105	75.0-131	
<i>(S) 4-Bromofluorobenzene</i>			98.5	67.0-138	
<i>(S) 1,2-Dichloroethane-d4</i>			104	70.0-130	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3827774-3 08/18/22 11:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	109			75.0-131
(S) 4-Bromofluorobenzene	102			67.0-138
(S) 1,2-Dichloroethane-d4	77.8			70.0-130

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

(LCS) R3827774-1 08/18/22 09:42 • (LCSD) R3827774-2 08/18/22 10:01

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 %
Vinyl chloride	5.00	5.44	5.24	109	105	63.0-134			3.75	20
(S) Toluene-d8				112	110	75.0-131				
(S) 4-Bromofluorobenzene				102	99.1	67.0-138				
(S) 1,2-Dichloroethane-d4				80.1	75.9	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3827916-3 08/18/22 11:53

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3827916-3 08/18/22 11:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	0.416	U	0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	109			75.0-131
(S) 4-Bromofluorobenzene	102			67.0-138
(S) 1,2-Dichloroethane-d4	77.8			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3827916-1 08/18/22 09:42 • (LCSD) R3827916-2 08/18/22 10:01

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	23.4	21.1	93.6	84.4	10.0-160			10.3	31
Acrylonitrile	25.0	20.9	20.9	83.6	83.6	45.0-153			0.000	22
Benzene	5.00	5.10	4.94	102	98.8	70.0-123			3.19	20
Bromobenzene	5.00	5.24	5.10	105	102	73.0-121			2.71	20
Bromodichloromethane	5.00	4.54	4.28	90.8	85.6	73.0-121			5.90	20
Bromoform	5.00	4.73	4.52	94.6	90.4	64.0-132			4.54	20
Bromomethane	5.00	4.24	3.74	84.8	74.8	56.0-147			12.5	20
n-Butylbenzene	5.00	5.45	5.44	109	109	68.0-135			0.184	20
sec-Butylbenzene	5.00	6.12	6.11	122	122	74.0-130			0.164	20
tert-Butylbenzene	5.00	5.66	5.52	113	110	75.0-127			2.50	20
Carbon tetrachloride	5.00	4.64	4.35	92.8	87.0	66.0-128			6.45	20
Chlorobenzene	5.00	5.47	5.34	109	107	76.0-128			2.41	20
Chlorodibromomethane	5.00	4.69	4.66	93.8	93.2	74.0-127			0.642	20
Chloroethane	5.00	4.84	4.80	96.8	96.0	61.0-134			0.830	20
Chloroform	5.00	4.37	4.27	87.4	85.4	72.0-123			2.31	20
Chloromethane	5.00	3.51	4.74	70.2	94.8	51.0-138		J3	29.8	20
2-Chlorotoluene	5.00	6.10	5.56	122	111	75.0-124			9.26	20
4-Chlorotoluene	5.00	5.22	5.21	104	104	75.0-124			0.192	20
1,2-Dibromo-3-Chloropropane	5.00	4.33	4.32	86.6	86.4	59.0-130			0.231	20
1,2-Dibromoethane	5.00	5.58	5.12	112	102	74.0-128			8.60	20
Dibromomethane	5.00	4.90	4.64	98.0	92.8	75.0-122			5.45	20
1,2-Dichlorobenzene	5.00	5.20	5.09	104	102	76.0-124			2.14	20
1,3-Dichlorobenzene	5.00	5.26	5.57	105	111	76.0-125			5.72	20
1,4-Dichlorobenzene	5.00	5.04	5.31	101	106	77.0-121			5.22	20
Dichlorodifluoromethane	5.00	4.75	4.37	95.0	87.4	43.0-156			8.33	20
1,1-Dichloroethane	5.00	4.73	4.60	94.6	92.0	70.0-127			2.79	20
1,2-Dichloroethane	5.00	3.80	3.62	76.0	72.4	65.0-131			4.85	20
1,1-Dichloroethene	5.00	5.23	5.03	105	101	65.0-131			3.90	20
cis-1,2-Dichloroethene	5.00	4.91	4.69	98.2	93.8	73.0-125			4.58	20
trans-1,2-Dichloroethene	5.00	5.27	4.99	105	99.8	71.0-125			5.46	20
1,2-Dichloropropane	5.00	5.28	5.26	106	105	74.0-125			0.380	20
1,1-Dichloropropene	5.00	5.35	5.32	107	106	73.0-125			0.562	20
1,3-Dichloropropane	5.00	5.73	5.44	115	109	80.0-125			5.19	20
cis-1,3-Dichloropropene	5.00	5.11	4.97	102	99.4	76.0-127			2.78	20
trans-1,3-Dichloropropene	5.00	5.25	4.94	105	98.8	73.0-127			6.08	20
2,2-Dichloropropane	5.00	4.81	4.48	96.2	89.6	59.0-135			7.10	20
Di-isopropyl ether	5.00	4.62	4.42	92.4	88.4	60.0-136			4.42	20
Ethylbenzene	5.00	5.72	5.50	114	110	74.0-126			3.92	20
Hexachloro-1,3-butadiene	5.00	4.75	4.84	95.0	96.8	57.0-150			1.88	20
Isopropylbenzene	5.00	5.40	5.11	108	102	72.0-127			5.52	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3827916-1 08/18/22 09:42 • (LCSD) R3827916-2 08/18/22 10:01

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 %
p-Isopropyltoluene	5.00	5.74	5.61	115	112	72.0-133			2.29	20
2-Butanone (MEK)	25.0	23.9	20.1	95.6	80.4	30.0-160			17.3	24
Methylene Chloride	5.00	5.65	5.31	113	106	68.0-123			6.20	20
4-Methyl-2-pentanone (MIBK)	25.0	25.3	23.9	101	95.6	56.0-143			5.69	20
Methyl tert-butyl ether	5.00	4.02	3.91	80.4	78.2	66.0-132			2.77	20
Naphthalene	5.00	4.58	4.85	91.6	97.0	59.0-130			5.73	20
n-Propylbenzene	5.00	5.85	5.91	117	118	74.0-126			1.02	20
Styrene	5.00	5.37	5.32	107	106	72.0-127			0.935	20
1,1,1,2-Tetrachloroethane	5.00	4.82	4.57	96.4	91.4	74.0-129			5.32	20
1,1,2,2-Tetrachloroethane	5.00	5.70	5.45	114	109	68.0-128			4.48	20
1,1,2-Trichlorotrifluoroethane	5.00	5.53	5.54	111	111	61.0-139			0.181	20
Tetrachloroethene	5.00	5.77	5.60	115	112	70.0-136			2.99	20
Toluene	5.00	5.62	5.38	112	108	75.0-121			4.36	20
1,2,3-Trichlorobenzene	5.00	4.65	4.30	93.0	86.0	59.0-139			7.82	20
1,2,4-Trichlorobenzene	5.00	4.62	4.84	92.4	96.8	62.0-137			4.65	20
1,1,1-Trichloroethane	5.00	4.32	3.97	86.4	79.4	69.0-126			8.44	20
1,1,2-Trichloroethane	5.00	5.60	5.26	112	105	78.0-123			6.26	20
Trichloroethene	5.00	5.34	5.03	107	101	76.0-126			5.98	20
Trichlorofluoromethane	5.00	4.51	4.48	90.2	89.6	61.0-142			0.667	20
1,2,3-Trichloropropane	5.00	4.94	4.73	98.8	94.6	67.0-129			4.34	20
1,2,4-Trimethylbenzene	5.00	4.97	4.92	99.4	98.4	70.0-126			1.01	20
1,2,3-Trimethylbenzene	5.00	4.93	4.99	98.6	99.8	74.0-124			1.21	20
1,3,5-Trimethylbenzene	5.00	5.29	5.24	106	105	73.0-127			0.950	20
Vinyl chloride	5.00	5.44	5.24	109	105	63.0-134			3.75	20
Xylenes, Total	15.0	16.4	16.1	109	107	72.0-127			1.85	20
Ethyl ether	5.00	5.40	4.78	108	95.6	64.0-137			12.2	20
Tetrahydrofuran	5.00	4.84	4.61	96.8	92.2	37.0-146			4.87	24
Iodomethane	25.0	21.4	20.9	85.6	83.6	74.0-134			2.36	20
Allyl chloride	25.0	28.3	27.1	113	108	70.0-131			4.33	20
trans-1,4-Dichloro-2-butene	5.00	5.09	5.11	102	102	45.0-143			0.392	20
(S) Toluene-d8				112	110	75.0-131				
(S) 4-Bromofluorobenzene				102	99.1	67.0-138				
(S) 1,2-Dichloroethane-d4				80.1	75.9	70.0-130				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

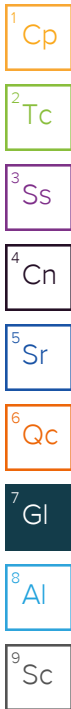
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
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.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
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.
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.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr


⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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>4</u>
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Report to: Brian O'Neal/Bill Haldeman		Email To: Shannon.McKernan@nv5.com;brian.oneal@nv5.com		City/State Collected: Seattle, WA		Please Circle: PT MT CT ET		 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/hubfs/pas-standard-terms.pdf		
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Project Description: American Linen		Client Project # 1413.001.10.701 TASK		Lab Project # PESENVSWA-ALP		Phone: 206-529-3980		<div style="border: 1px solid black; border-radius: 15px; padding: 5px; display: inline-block;"> E094 </div>		
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Collected by (print): Natalie Wisdom		Site/Facility ID #		P.O. # 443018-1413001.05.601		Collected by (signature): <i>Natalie Wisdom</i>		Quote #		Acctnum: PESENVSWA Template: T213317 Prelogin: P939358 PM: 546 - Jared Starkey PB: Shipped Via:	
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Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>		Rush? (Lab MUST Be Notified)		Date Results Needed		No. of Cntrs		<input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day	
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Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	ALK 125mIHDPE-NoPres	CHLORIDE,NITRATE 125mIHDPE-NoPres	FE6,MNG 250mIHDPE-HNO3	NWTPHGX 40mIAmb-HCl	RSX175LL 40mIAmb-HCl	SULFATE 125mIHDPE-NoPres	TOC 250mIHDPE-HCl	V8260ULLC 40mIAmb-HCl	Remarks	Sample # (lab only)
R-MW6-080322	Grab	GW		8/3/22	1129	8		X		X	X	X	X		21
MW107-080322		GW		8/3/22	1320	8		X		X	X	X	X		22
MW-142-080322		GW		8/3/22	1508	8		X		X	X	X	X		23
EQ-080322		GW		8/3/22	1550	8		X		X	X	X	X		24
MW121-080422		GW		8/4/22	1050	11		X	X	X	X	X	X		25
MW-156-080422		GW			1420	8		X		X	X	X	X		26
MW120-080422		GW			1550	8		X		X	X	X	X		27
MW-973-080422		GW			0800	11		X	X	X	X	X	X		28
FMW-137-080522		GW		8/5/22	1045	3							X		29
FMW-131-080522		GW			1232	3							X		30

* 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: <input checked="" type="checkbox"/> NP <input type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> N If Applicable VOA Zero Headspace: <input checked="" type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> N	
Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier		Tracking #		5300 4298 6920			

Relinquished by: (Signature) <i>Natalie Wisdom</i>		Date: 8/15/22	Time: 1709	Received by: (Signature)		Trip Blank Received: Yes/No HCL / MeOH TBR		If preservation required by Login: Date/Time	
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Temp: °C Bottles Received: 171			
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) <i>May</i>		Date: 8-6-22	Time: 0900	Hold: Condition: NCF / OK	

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

Report to:
 Brian O'Neal/Bill Haldeman

Project Description:
 American Linen

City/State Collected: **Seattle, WA**

Please Circle: PT MT CT ET

Phone: **206-529-3980**

Client Project # **1413.001.10.701 TASK**

Lab Project # **PESENVSWA-ALP**

Collected by (print): **NEW**

Site/Facility ID #

P.O. # **443018-1413001.05.601**

Collected by (signature): **ONEW**

Rush? (Lab MUST Be Notified)
 ___ Same Day ___ Five Day
 ___ Next Day ___ 5 Day (Rad Only)
 ___ Two Day ___ 10 Day (Rad Only)
 ___ Three Day

Date Results Needed

Immediately Packed on Ice N ___ Y

No. of Cntrs

Analysis / Container / Preservative							
ALK 125mlHDPE-NoPres	CHLORIDE,NITRATE. 125mlHDPE-NoPres	FEG,MNG 250mlHDPE-HNO3	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl

Chain of Custody Page **2** of **4**

Pace
 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>

SDG # **L152018**

Table #

Acctnum: **PESENVSWA**

Template: **T213317**

Prelogin: **P939358**

PM: **546 - Jared Starkey**

PB:

Shipped Via:

Remarks | Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	ALK 125mlHDPE-NoPres	CHLORIDE,NITRATE. 125mlHDPE-NoPres	FEG,MNG 250mlHDPE-HNO3	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl	Remarks	Sample # (lab only)
GEI-2-080622	Grab	GW		8/5/22	1400	3										11
MW-146-080322		GW		8/3/22	1010	8			X		X	X	X	X		12
MW-155-080322		GW		↓	1230	8			X		X	X	X	X		13
MW-159-080322		GW		↓	1420	8			X		X	X	X	X		14
MW-177-080422		GW		8/4/22	1355	3								X	155 NEW	15
MW-180-080422		GW		↓	1215	3								X		16
MW-178-080422		GW		↓	1305	3								X		17
MW-179-080422		GW		↓	1410	3								X		18
MW-188-080522		GW		8/5/22	1055	3								X		19
MW-185-080522	↓	GW		↓	1135	3								X		20

* Matrix: SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via: ___ UPS ___ FedEx ___ Courier

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact: ___ NP	<input checked="" type="checkbox"/> N
COC Signed/Accurate:	<input checked="" type="checkbox"/> N
Bottles arrive intact:	<input checked="" type="checkbox"/> N
Correct bottles used:	<input checked="" type="checkbox"/> N
Sufficient volume sent:	<input checked="" type="checkbox"/> N
If Applicable	
VOA Zero Headspace:	<input checked="" type="checkbox"/> N
Preservation Correct/Checked:	<input checked="" type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> N

Relinquished by: (Signature) Nate...	Date: 8/5/22	Time: 1709	Received by: (Signature)	Trip Blank Received: Yes/No HCL/MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 171
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Hall	Date: 8-6-22 Time: 0900 Hold: Condition: NCF / OK

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

Report to:
Brian O'Neal/Bill Haldeman

Project Description:
American Linen

City/State: **Seattle, WA**

Chain of Custody Page **3** of **4**

Email To: **Shannon.McKernan@nv5.com; brian.oneal@nv5.com**

Please Circle: PT MT CT ET

Client Project #: **1413.001.10.701 TASK**

Lab Project #: **PESENVSWA-ALP**

Site/Facility ID #

P.O. #: **443018-1413001.05.601**

Quote #

Date Results Needed

No. of Cntrs

Phone: **206-529-3980**

Collected by (print): **NEW**

Collected by (signature): **NEW**

Immediately Packed on Ice N Y

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

Cntrs

Analysis / Container / Preservative

AL.K 125mlHDPE-NoPres

CHLORIDE,NITRATE 125mlHDPE-NoPres

FEG,MNG 250mlHDPE-HNO3

NWTPHGX 40mlAmb HCl

RSK175LL 40mlAmb-HCl

SULFATE 125mlHDPE-NoPres

TOC 250mlHDPE-HCl

V8260ULLC 40mlAmb-HCl

SDG # **U522618**

Table #

Acctnum: **PESENVSWA**

Template: **T213317**

Prelogin: **P939358**

PM: **546 - Jared Starkey**

PB:

Shipped Via:

Remarks

Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	Analysis / Container / Preservative	Remarks	Sample # (lab only)
MW-187-080522	Grab	GW		8/5/22	1215 1055	3			-21
MW-186-080522		GW		8/5/22	1405	3			-22
MW-182-080422		GW		8/4/22	0958	3			-23
MW-183-080422		GW			1032	3			-24
MW-171-080422		GW			1440	3			-25
MW-184-080422		GW			1252	3			-26
MW-181-080422		GW			1129	3			-27
MW-165-080522		GW		8/5/22	1333	3			-28
MW-170-080522		GW			1418	3			-29
MW-166-080522		GW			1401	3			-30

* 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: N

COC Signed/Accurate: N

Bottles arrive intact: N

Correct bottles used: N

Sufficient volume sent: N

If Applicable

VOA Zero Headspace: N

Preservation Correct/Checked: N

RAD Screen <0.5 mR/hr: N

Samples returned via: UPS FedEx Courier

Tracking #

Relinquished by: (Signature) **Matthew Wood** Date: **8/5/22** Time: **1709**

Received by: (Signature) _____ Trip Blank Received: Yes/No HCL/MeOH TBR

Relinquished by: (Signature) _____ Date: _____ Time: _____

Received by: (Signature) _____ Temp: _____ °C Bottles Received: **171**

If preservation required by Login: Date/Time

Relinquished by: (Signature) _____ Date: _____ Time: _____

Received for lab by: (Signature) **Matt Wood** Date: **8-6-22** Time: **0900**

Hold: _____ Condition: **NCF / OK**

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



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/hubfs/pas-standard-terms.pdf>

SDG # U522618

Table #

Acctnum: **PESENVSWA**

Template: **T213317**

Prelogin: **P939358**

PM: **546 - Jared Starkey**

PB:

Shipped Via:

Remarks | Sample # (lab only)

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State Collected: Seattle, WA Please Circle: PT MT CT ET

Phone: **206-529-3980**

Client Project #
1413.001.10.701 TASK

Lab Project #
PESENVSWA-ALP

Collected by (print):
Natalie Wisdom

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):
NW

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

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK 125mlHDPE-NoPres	CHLORIDE,NITRATE 125mlHDPE-NoPres	FEG,MNG 250mlHDPE-HNO3	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl
MW-167-080522	Grab	GW		4/5/22	1318	3								X
MW-169-080522	↓	GW		↓	1243	3								X
MW-168-080522	↓	GW		↓	1212	3								X
MW-172-080522	↓	GW		↓	1114	3								X
		GW												
		GW												
		GW												
		GW												
		GW												
		GW												

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other _____

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via:
 ___ UPS ___ FedEx ___ Courier _____ Tracking #

Sample Receipt Checklist
 COC Seal Present/Intact: ___ NP ___ N
 COC Signed/Accurate: ___ N ___ N
 Bottles arrive intact: ___ N ___ N
 Correct bottles used: ___ N ___ N
 Sufficient volume sent: ___ N ___ N
 If Applicable
 VOA Zero Headspace: ___ N ___ N
 Preservation Correct/Checked: ___ N ___ N
 RAD Screen <0.5 mR/hr: ___ N ___ N

Relinquished by: (Signature)
Natalie Wisdom

Date: 8/5/22 Time: 1709

Received by: (Signature)

Trip Blank Received: Yes/No
 HCl / MeOH
 TBR

Relinquished by: (Signature)

Date: Time:

Received by: (Signature)

Temp: °C Bottles Received: 171

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: Time:

Received for lab by: (Signature)
[Signature]

Date: 8-6-22 Time: 0900

Hold: Condition: NCF / OK

U1522618

<u>Tracking Numbers</u>	<u>Temperature</u>
5300 4298 6920	RRAB 4.8
6941	RRAB 1.0
6930	RRAB 1.9

PES Environmental, Inc.- WA

Sample Delivery Group: L1524067
Samples Received: 08/11/2022
Project Number: 1413.001.10.701 TASK
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
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 www.pacenational.com

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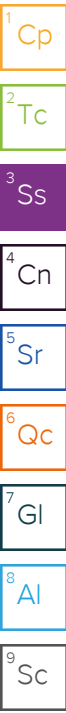
1	Cp
2	Tc
3	Ss
4	Cn
5	Sr
6	Qc
7	Gl
8	Al
9	Sc

SAMPLE SUMMARY

MW108-081022 L1524067-01 GW

Collected by: KL, CM, NW
 Collected date/time: 08/10/22 09:42
 Received date/time: 08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 15:10	08/11/22 15:10	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911941	1	08/17/22 21:24	08/17/22 21:24	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 17:54	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909775	1	08/12/22 11:34	08/12/22 11:34	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911636	50	08/16/22 18:23	08/16/22 18:23	ACG	Mt. Juliet, TN



MW109-081022 L1524067-02 GW

Collected by: KL, CM, NW
 Collected date/time: 08/10/22 09:06
 Received date/time: 08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 15:25	08/11/22 15:25	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911941	1	08/17/22 21:40	08/17/22 21:40	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 18:07	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909775	1	08/12/22 11:40	08/12/22 11:40	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911636	1	08/16/22 14:31	08/16/22 14:31	ACG	Mt. Juliet, TN

MW113-081022 L1524067-03 GW

Collected by: KL, CM, NW
 Collected date/time: 08/10/22 12:13
 Received date/time: 08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 15:40	08/11/22 15:40	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911945	1	08/18/22 18:25	08/18/22 18:25	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 18:10	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909775	1	08/12/22 11:44	08/12/22 11:44	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1912548	100	08/18/22 19:13	08/18/22 19:13	JHH	Mt. Juliet, TN

MW115-081022 L1524067-04 GW

Collected by: KL, CM, NW
 Collected date/time: 08/10/22 11:35
 Received date/time: 08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 15:55	08/11/22 15:55	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911945	1	08/18/22 19:02	08/18/22 19:02	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 18:13	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909775	1	08/12/22 11:49	08/12/22 11:49	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911636	1	08/16/22 14:50	08/16/22 14:50	ACG	Mt. Juliet, TN

MW116-081022 L1524067-05 GW

Collected by: KL, CM, NW
 Collected date/time: 08/10/22 12:45
 Received date/time: 08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 16:10	08/11/22 16:10	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911945	1	08/18/22 20:10	08/18/22 20:10	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 18:16	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909775	1	08/12/22 11:54	08/12/22 11:54	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911636	1	08/16/22 15:10	08/16/22 15:10	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

MW126-081022 L1524067-06 GW

Collected by
KL, CM, NW

Collected date/time
08/10/22 10:15

Received date/time
08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 18:27	08/11/22 18:27	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911945	1	08/18/22 20:27	08/18/22 20:27	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 18:26	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909775	1	08/12/22 11:57	08/12/22 11:57	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911636	1	08/16/22 15:29	08/16/22 15:29	ACG	Mt. Juliet, TN



MW-335-081022 L1524067-07 GW

Collected by
KL, CM, NW

Collected date/time
08/10/22 13:30

Received date/time
08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1912548	10	08/18/22 19:32	08/18/22 19:32	JHH	Mt. Juliet, TN



MW-336-081022 L1524067-08 GW

Collected by
KL, CM, NW

Collected date/time
08/10/22 13:54

Received date/time
08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1912548	1	08/18/22 17:40	08/18/22 17:40	JHH	Mt. Juliet, TN



MW105-080922 L1524067-09 GW

Collected by
KL, CM, NW

Collected date/time
08/09/22 13:24

Received date/time
08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909103	1	08/11/22 13:03	08/11/22 13:03	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911943	1	08/18/22 04:01	08/18/22 04:01	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 18:29	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909775	1	08/12/22 11:59	08/12/22 11:59	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911636	1	08/16/22 15:48	08/16/22 15:48	ACG	Mt. Juliet, TN

MW111-080922 L1524067-10 GW

Collected by
KL, CM, NW

Collected date/time
08/09/22 15:22

Received date/time
08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 13:26	08/11/22 13:26	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911943	1	08/18/22 04:34	08/18/22 04:34	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 18:33	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909775	1	08/12/22 12:05	08/12/22 12:05	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911636	1	08/16/22 16:07	08/16/22 16:07	ACG	Mt. Juliet, TN

MW112-080922 L1524067-11 GW

Collected by
KL, CM, NW

Collected date/time
08/09/22 12:17

Received date/time
08/11/22 08:45

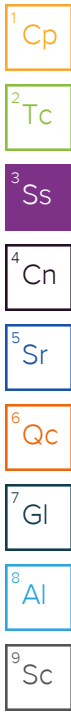
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 20:26	08/11/22 20:26	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911943	1	08/18/22 04:51	08/18/22 04:51	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 18:36	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909775	1	08/12/22 12:09	08/12/22 12:09	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911636	1	08/16/22 16:27	08/16/22 16:27	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

MW-138-080922 L1524067-12 GW

Collected by KL, CM, NW
 Collected date/time 08/09/22 11:00
 Received date/time 08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 20:41	08/11/22 20:41	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911943	1	08/18/22 05:54	08/18/22 05:54	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 18:39	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909775	1	08/12/22 12:16	08/12/22 12:16	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911636	1	08/16/22 16:46	08/16/22 16:46	ACG	Mt. Juliet, TN



MW125-080922 L1524067-13 GW

Collected by KL, CM, NW
 Collected date/time 08/09/22 10:10
 Received date/time 08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 20:56	08/11/22 20:56	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911943	1	08/18/22 06:12	08/18/22 06:12	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 18:42	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1910696	1	08/15/22 07:33	08/15/22 07:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909775	1	08/12/22 12:18	08/12/22 12:18	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911636	1	08/16/22 17:05	08/16/22 17:05	ACG	Mt. Juliet, TN

MW-974-080922 L1524067-14 GW

Collected by KL, CM, NW
 Collected date/time 08/09/22 08:00
 Received date/time 08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 21:11	08/11/22 21:11	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911943	1	08/18/22 06:30	08/18/22 06:30	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 18:46	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1910696	1	08/15/22 07:54	08/15/22 07:54	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909777	1	08/12/22 12:54	08/12/22 12:54	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911636	1	08/16/22 17:24	08/16/22 17:24	ACG	Mt. Juliet, TN

MW-9-080922 L1524067-15 GW

Collected by KL, CM, NW
 Collected date/time 08/09/22 12:42
 Received date/time 08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 12:39	08/11/22 12:39	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911943	1	08/18/22 07:27	08/18/22 07:27	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 18:49	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1910696	1	08/15/22 08:16	08/15/22 08:16	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909777	1	08/12/22 12:58	08/12/22 12:58	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1911636	1	08/16/22 17:44	08/16/22 17:44	ACG	Mt. Juliet, TN

R-MW5-080922 L1524067-16 GW

Collected by KL, CM, NW
 Collected date/time 08/09/22 11:10
 Received date/time 08/11/22 08:45

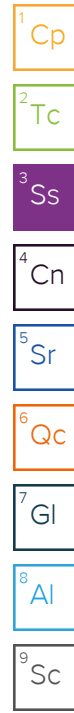
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 21:56	08/11/22 21:56	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911943	1	08/18/22 07:45	08/18/22 07:45	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 18:52	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1910696	1	08/15/22 08:39	08/15/22 08:39	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909777	1	08/12/22 13:02	08/12/22 13:02	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 12:40	08/19/22 12:40	ADM	Mt. Juliet, TN

SAMPLE SUMMARY

BB-8-080922 L1524067-17 GW

Collected by: KL, CM, NW
 Collected date/time: 08/09/22 13:20
 Received date/time: 08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 12:56	08/11/22 12:56	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911943	1	08/18/22 08:01	08/18/22 08:01	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 18:55	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909777	1	08/12/22 13:05	08/12/22 13:05	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 12:59	08/19/22 12:59	ADM	Mt. Juliet, TN



MW-975-080922 L1524067-18 GW

Collected by: KL, CM, NW
 Collected date/time: 08/09/22 13:20
 Received date/time: 08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 13:11	08/11/22 13:11	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911943	1	08/18/22 08:17	08/18/22 08:17	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 19:05	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909777	1	08/12/22 13:10	08/12/22 13:10	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 13:18	08/19/22 13:18	ADM	Mt. Juliet, TN

MW103-080922 L1524067-19 GW

Collected by: KL, CM, NW
 Collected date/time: 08/09/22 15:20
 Received date/time: 08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 13:41	08/11/22 13:41	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911943	1	08/18/22 08:33	08/18/22 08:33	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 19:08	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909777	1	08/12/22 13:12	08/12/22 13:12	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 13:36	08/19/22 13:36	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913923	10	08/23/22 14:34	08/23/22 14:34	DWR	Mt. Juliet, TN

MW-147-081022 L1524067-20 GW

Collected by: KL, CM, NW
 Collected date/time: 08/10/22 10:40
 Received date/time: 08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 19:12	08/11/22 19:12	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911945	1	08/18/22 20:43	08/18/22 20:43	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 19:12	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909777	1	08/12/22 13:18	08/12/22 13:18	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1911204	10	08/16/22 11:16	08/16/22 11:16	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 13:55	08/19/22 13:55	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913923	10	08/23/22 14:54	08/23/22 14:54	DWR	Mt. Juliet, TN

MW-148-081022 L1524067-21 GW

Collected by: KL, CM, NW
 Collected date/time: 08/10/22 12:05
 Received date/time: 08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 19:27	08/11/22 19:27	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911945	1	08/18/22 20:59	08/18/22 20:59	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 19:15	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909777	1	08/12/22 13:21	08/12/22 13:21	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 14:14	08/19/22 14:14	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913923	1	08/23/22 13:53	08/23/22 13:53	DWR	Mt. Juliet, TN

SAMPLE SUMMARY

MW-145R-081022 L1524067-22 GW

Collected by: KL, CM, NW
 Collected date/time: 08/10/22 13:40
 Received date/time: 08/11/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1909317	1	08/11/22 20:11	08/11/22 20:11	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911945	1	08/18/22 21:54	08/18/22 21:54	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1910286	1	08/15/22 06:46	08/16/22 19:18	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1909777	1	08/12/22 13:26	08/12/22 13:26	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 14:32	08/19/22 14:32	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913923	1	08/23/22 14:13	08/23/22 14:13	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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	31100		594	5000	1	08/11/2022 15:10	WG1909317

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)	4540		102	1000	1	08/17/2022 21:24	WG1911941

Metals (ICPMS) by Method 6020B

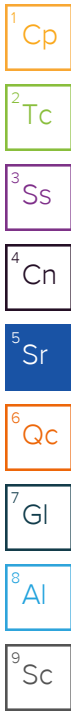
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	13100		28.1	100	1	08/16/2022 17:54	WG1910286
Manganese	1560		0.704	5.00	1	08/16/2022 17:54	WG1910286

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3590		0.287	0.678	1	08/12/2022 11:34	WG1909775
Ethane	35.0		0.296	1.29	1	08/12/2022 11:34	WG1909775
Ethene	6.27		0.422	1.27	1	08/12/2022 11:34	WG1909775

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		27.4	50.0	50	08/16/2022 18:23	WG1911636
Acrylonitrile	U		3.80	25.0	50	08/16/2022 18:23	WG1911636
Benzene	2.30		0.800	2.00	50	08/16/2022 18:23	WG1911636
Bromobenzene	U	J4	2.10	25.0	50	08/16/2022 18:23	WG1911636
Bromodichloromethane	U		1.58	5.00	50	08/16/2022 18:23	WG1911636
Bromoform	U		12.0	50.0	50	08/16/2022 18:23	WG1911636
Bromomethane	U		7.40	25.0	50	08/16/2022 18:23	WG1911636
n-Butylbenzene	U		7.65	25.0	50	08/16/2022 18:23	WG1911636
sec-Butylbenzene	U		5.05	25.0	50	08/16/2022 18:23	WG1911636
tert-Butylbenzene	U		3.10	10.0	50	08/16/2022 18:23	WG1911636
Carbon tetrachloride	U		2.16	10.0	50	08/16/2022 18:23	WG1911636
Chlorobenzene	U		1.15	5.00	50	08/16/2022 18:23	WG1911636
Chlorodibromomethane	U		0.900	5.00	50	08/16/2022 18:23	WG1911636
Chloroethane	U		2.16	10.0	50	08/16/2022 18:23	WG1911636
Chloroform	U		0.830	5.00	50	08/16/2022 18:23	WG1911636
Chloromethane	U		2.78	25.0	50	08/16/2022 18:23	WG1911636
2-Chlorotoluene	U		1.84	5.00	50	08/16/2022 18:23	WG1911636
4-Chlorotoluene	U		2.26	10.0	50	08/16/2022 18:23	WG1911636
1,2-Dibromo-3-Chloropropane	U		10.2	50.0	50	08/16/2022 18:23	WG1911636
1,2-Dibromoethane	U		1.05	5.00	50	08/16/2022 18:23	WG1911636
Dibromomethane	U		2.00	10.0	50	08/16/2022 18:23	WG1911636
1,2-Dichlorobenzene	U		2.90	10.0	50	08/16/2022 18:23	WG1911636
1,3-Dichlorobenzene	U		3.40	10.0	50	08/16/2022 18:23	WG1911636
1,4-Dichlorobenzene	U		3.94	10.0	50	08/16/2022 18:23	WG1911636
Dichlorodifluoromethane	U		1.64	5.00	50	08/16/2022 18:23	WG1911636
1,1-Dichloroethane	U		1.15	5.00	50	08/16/2022 18:23	WG1911636
1,2-Dichloroethane	U		0.950	5.00	50	08/16/2022 18:23	WG1911636
1,1-Dichloroethene	U		1.00	5.00	50	08/16/2022 18:23	WG1911636
cis-1,2-Dichloroethene	531		1.38	5.00	50	08/16/2022 18:23	WG1911636
trans-1,2-Dichloroethene	U		2.86	10.0	50	08/16/2022 18:23	WG1911636
1,2-Dichloropropane	U		2.54	10.0	50	08/16/2022 18:23	WG1911636



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		1.40	5.00	50	08/16/2022 18:23	WG1911636
1,3-Dichloropropane	U		3.50	10.0	50	08/16/2022 18:23	WG1911636
cis-1,3-Dichloropropene	U		1.36	5.00	50	08/16/2022 18:23	WG1911636
trans-1,3-Dichloropropene	U		3.06	10.0	50	08/16/2022 18:23	WG1911636
2,2-Dichloropropane	U		1.59	5.00	50	08/16/2022 18:23	WG1911636
Di-isopropyl ether	U		0.700	2.00	50	08/16/2022 18:23	WG1911636
Ethylbenzene	U		1.06	5.00	50	08/16/2022 18:23	WG1911636
Hexachloro-1,3-butadiene	U		25.4	50.0	50	08/16/2022 18:23	WG1911636
Isopropylbenzene	U		1.73	5.00	50	08/16/2022 18:23	WG1911636
p-Isopropyltoluene	U		4.66	10.0	50	08/16/2022 18:23	WG1911636
2-Butanone (MEK)	U		25.0	50.0	50	08/16/2022 18:23	WG1911636
Methylene Chloride	U		13.3	50.0	50	08/16/2022 18:23	WG1911636
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	08/16/2022 18:23	WG1911636
Methyl tert-butyl ether	U		0.590	2.00	50	08/16/2022 18:23	WG1911636
Naphthalene	18.5	<u>J</u>	6.20	25.0	50	08/16/2022 18:23	WG1911636
n-Propylbenzene	U		2.36	10.0	50	08/16/2022 18:23	WG1911636
Styrene	U		5.45	25.0	50	08/16/2022 18:23	WG1911636
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	08/16/2022 18:23	WG1911636
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	08/16/2022 18:23	WG1911636
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	08/16/2022 18:23	WG1911636
Tetrachloroethene	115	<u>C5</u>	1.40	5.00	50	08/16/2022 18:23	WG1911636
Toluene	U		2.50	10.0	50	08/16/2022 18:23	WG1911636
1,2,3-Trichlorobenzene	U		1.25	25.0	50	08/16/2022 18:23	WG1911636
1,2,4-Trichlorobenzene	U		9.65	25.0	50	08/16/2022 18:23	WG1911636
1,1,1-Trichloroethane	U		0.550	5.00	50	08/16/2022 18:23	WG1911636
1,1,2-Trichloroethane	U		1.77	5.00	50	08/16/2022 18:23	WG1911636
Trichloroethene	42.6		0.800	2.00	50	08/16/2022 18:23	WG1911636
Trichlorofluoromethane	U		1.00	5.00	50	08/16/2022 18:23	WG1911636
1,2,3-Trichloropropane	U	<u>J4</u>	10.2	25.0	50	08/16/2022 18:23	WG1911636
1,2,4-Trimethylbenzene	U		2.32	10.0	50	08/16/2022 18:23	WG1911636
1,2,3-Trimethylbenzene	U		2.30	10.0	50	08/16/2022 18:23	WG1911636
1,3,5-Trimethylbenzene	U		2.16	10.0	50	08/16/2022 18:23	WG1911636
Vinyl chloride	118		1.36	5.00	50	08/16/2022 18:23	WG1911636
Xylenes, Total	U		9.55	13.0	50	08/16/2022 18:23	WG1911636
Ethyl Ether	U		0.850	5.00	50	08/16/2022 18:23	WG1911636
Tetrahydrofuran	U		4.50	25.0	50	08/16/2022 18:23	WG1911636
Iodomethane	U		12.1	25.0	50	08/16/2022 18:23	WG1911636
Allyl chloride	U		29.0	50.0	50	08/16/2022 18:23	WG1911636
Trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	08/16/2022 18:23	WG1911636
(S) Toluene-d8	112			75.0-131		08/16/2022 18:23	WG1911636
(S) 4-Bromofluorobenzene	76.1			67.0-138		08/16/2022 18:23	WG1911636
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/16/2022 18:23	WG1911636

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1320	J	594	5000	1	08/11/2022 15:25	WG1909317

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)	1190	B	102	1000	1	08/17/2022 21:40	WG1911941

Metals (ICPMS) by Method 6020B

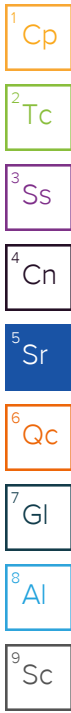
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	181		28.1	100	1	08/16/2022 18:07	WG1910286
Manganese	13.1		0.704	5.00	1	08/16/2022 18:07	WG1910286

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	08/12/2022 11:40	WG1909775
Ethane	U		0.296	1.29	1	08/12/2022 11:40	WG1909775
Ethene	U		0.422	1.27	1	08/12/2022 11:40	WG1909775

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	4.51	C5	0.548	1.00	1	08/16/2022 14:31	WG1911636
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 14:31	WG1911636
Benzene	U		0.0160	0.0400	1	08/16/2022 14:31	WG1911636
Bromobenzene	U	J4	0.0420	0.500	1	08/16/2022 14:31	WG1911636
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 14:31	WG1911636
Bromoform	U		0.239	1.00	1	08/16/2022 14:31	WG1911636
Bromomethane	U		0.148	0.500	1	08/16/2022 14:31	WG1911636
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 14:31	WG1911636
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 14:31	WG1911636
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 14:31	WG1911636
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 14:31	WG1911636
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 14:31	WG1911636
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 14:31	WG1911636
Chloroethane	U		0.0432	0.200	1	08/16/2022 14:31	WG1911636
Chloroform	U		0.0166	0.100	1	08/16/2022 14:31	WG1911636
Chloromethane	U		0.0556	0.500	1	08/16/2022 14:31	WG1911636
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 14:31	WG1911636
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 14:31	WG1911636
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 14:31	WG1911636
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 14:31	WG1911636
Dibromomethane	U		0.0400	0.200	1	08/16/2022 14:31	WG1911636
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 14:31	WG1911636
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 14:31	WG1911636
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 14:31	WG1911636
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 14:31	WG1911636
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 14:31	WG1911636
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 14:31	WG1911636
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 14:31	WG1911636
cis-1,2-Dichloroethene	10.8		0.0276	0.100	1	08/16/2022 14:31	WG1911636
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 14:31	WG1911636
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 14:31	WG1911636



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	08/16/2022 14:31	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 14:31	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 14:31	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 14:31	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 14:31	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 14:31	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 14:31	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 14:31	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 14:31	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 14:31	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 14:31	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 14:31	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 14:31	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 14:31	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 14:31	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 14:31	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 14:31	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 14:31	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 14:31	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 14:31	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 14:31	WG1911636
Toluene	0.0750	J	0.0500	0.200	1	08/16/2022 14:31	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 14:31	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 14:31	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 14:31	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 14:31	WG1911636
Trichloroethene	0.613		0.0160	0.0400	1	08/16/2022 14:31	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 14:31	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 14:31	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 14:31	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 14:31	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 14:31	WG1911636
Vinyl chloride	0.887		0.0273	0.100	1	08/16/2022 14:31	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 14:31	WG1911636
Ethyl Ether	U		0.0170	0.100	1	08/16/2022 14:31	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 14:31	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 14:31	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 14:31	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 14:31	WG1911636
(S) Toluene-d8	105			75.0-131		08/16/2022 14:31	WG1911636
(S) 4-Bromofluorobenzene	75.6			67.0-138		08/16/2022 14:31	WG1911636
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/16/2022 14:31	WG1911636

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	52700		594	5000	1	08/11/2022 15:40	WG1909317

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)	16900		102	1000	1	08/18/2022 18:25	WG1911945

Metals (ICPMS) by Method 6020B

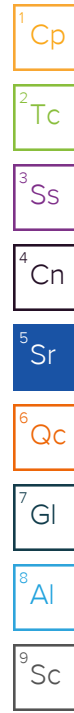
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	8350		28.1	100	1	08/16/2022 18:10	WG1910286
Manganese	683		0.704	5.00	1	08/16/2022 18:10	WG1910286

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2620		0.287	0.678	1	08/12/2022 11:44	WG1909775
Ethane	60.3		0.296	1.29	1	08/12/2022 11:44	WG1909775
Ethene	34.5		0.422	1.27	1	08/12/2022 11:44	WG1909775

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		54.8	100	100	08/18/2022 19:13	WG1912548
Acrylonitrile	U		7.60	50.0	100	08/18/2022 19:13	WG1912548
Benzene	3.80	J	1.60	4.00	100	08/18/2022 19:13	WG1912548
Bromobenzene	U		4.20	50.0	100	08/18/2022 19:13	WG1912548
Bromodichloromethane	U		3.15	10.0	100	08/18/2022 19:13	WG1912548
Bromoform	U		23.9	100	100	08/18/2022 19:13	WG1912548
Bromomethane	U		14.8	50.0	100	08/18/2022 19:13	WG1912548
n-Butylbenzene	U		15.3	50.0	100	08/18/2022 19:13	WG1912548
sec-Butylbenzene	U		10.1	50.0	100	08/18/2022 19:13	WG1912548
tert-Butylbenzene	U		6.20	20.0	100	08/18/2022 19:13	WG1912548
Carbon tetrachloride	U		4.32	20.0	100	08/18/2022 19:13	WG1912548
Chlorobenzene	U		2.29	10.0	100	08/18/2022 19:13	WG1912548
Chlorodibromomethane	U		1.80	10.0	100	08/18/2022 19:13	WG1912548
Chloroethane	U		4.32	20.0	100	08/18/2022 19:13	WG1912548
Chloroform	2.90	J	1.66	10.0	100	08/18/2022 19:13	WG1912548
Chloromethane	U	C3 J3	5.56	50.0	100	08/18/2022 19:13	WG1912548
2-Chlorotoluene	U		3.68	10.0	100	08/18/2022 19:13	WG1912548
4-Chlorotoluene	U		4.52	20.0	100	08/18/2022 19:13	WG1912548
1,2-Dibromo-3-Chloropropane	U		20.4	100	100	08/18/2022 19:13	WG1912548
1,2-Dibromoethane	U		2.10	10.0	100	08/18/2022 19:13	WG1912548
Dibromomethane	U		4.00	20.0	100	08/18/2022 19:13	WG1912548
1,2-Dichlorobenzene	U		5.80	20.0	100	08/18/2022 19:13	WG1912548
1,3-Dichlorobenzene	U		6.80	20.0	100	08/18/2022 19:13	WG1912548
1,4-Dichlorobenzene	U		7.88	20.0	100	08/18/2022 19:13	WG1912548
Dichlorodifluoromethane	U		3.27	10.0	100	08/18/2022 19:13	WG1912548
1,1-Dichloroethane	U		2.30	10.0	100	08/18/2022 19:13	WG1912548
1,2-Dichloroethane	4.90	C3 J	1.90	10.0	100	08/18/2022 19:13	WG1912548
1,1-Dichloroethene	8.10	J	2.00	10.0	100	08/18/2022 19:13	WG1912548
cis-1,2-Dichloroethene	3790		2.76	10.0	100	08/18/2022 19:13	WG1912548
trans-1,2-Dichloroethene	14.0	J	5.72	20.0	100	08/18/2022 19:13	WG1912548
1,2-Dichloropropane	U		5.08	20.0	100	08/18/2022 19:13	WG1912548



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		2.80	10.0	100	08/18/2022 19:13	WG1912548
1,3-Dichloropropane	U		7.00	20.0	100	08/18/2022 19:13	WG1912548
cis-1,3-Dichloropropene	U		2.71	10.0	100	08/18/2022 19:13	WG1912548
trans-1,3-Dichloropropene	U		6.12	20.0	100	08/18/2022 19:13	WG1912548
2,2-Dichloropropane	U		3.17	10.0	100	08/18/2022 19:13	WG1912548
Di-isopropyl ether	1.80	U	1.40	4.00	100	08/18/2022 19:13	WG1912548
Ethylbenzene	2.80	U	2.12	10.0	100	08/18/2022 19:13	WG1912548
Hexachloro-1,3-butadiene	U		50.8	100	100	08/18/2022 19:13	WG1912548
Isopropylbenzene	U		3.45	10.0	100	08/18/2022 19:13	WG1912548
p-Isopropyltoluene	U		9.32	20.0	100	08/18/2022 19:13	WG1912548
2-Butanone (MEK)	U		50.0	100	100	08/18/2022 19:13	WG1912548
Methylene Chloride	U		26.5	100	100	08/18/2022 19:13	WG1912548
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	08/18/2022 19:13	WG1912548
Methyl tert-butyl ether	1.60	U	1.18	4.00	100	08/18/2022 19:13	WG1912548
Naphthalene	48.3	U	12.4	50.0	100	08/18/2022 19:13	WG1912548
n-Propylbenzene	U		4.72	20.0	100	08/18/2022 19:13	WG1912548
Styrene	U		10.9	50.0	100	08/18/2022 19:13	WG1912548
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	08/18/2022 19:13	WG1912548
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	08/18/2022 19:13	WG1912548
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	08/18/2022 19:13	WG1912548
Tetrachloroethene	14.4		2.80	10.0	100	08/18/2022 19:13	WG1912548
Toluene	U		5.00	20.0	100	08/18/2022 19:13	WG1912548
1,2,3-Trichlorobenzene	U		2.50	50.0	100	08/18/2022 19:13	WG1912548
1,2,4-Trichlorobenzene	U		19.3	50.0	100	08/18/2022 19:13	WG1912548
1,1,1-Trichloroethane	1.50	U	1.10	10.0	100	08/18/2022 19:13	WG1912548
1,1,2-Trichloroethane	U		3.53	10.0	100	08/18/2022 19:13	WG1912548
Trichloroethene	10.9		1.60	4.00	100	08/18/2022 19:13	WG1912548
Trichlorofluoromethane	U		2.00	10.0	100	08/18/2022 19:13	WG1912548
1,2,3-Trichloropropane	U		20.4	50.0	100	08/18/2022 19:13	WG1912548
1,2,4-Trimethylbenzene	U		4.64	20.0	100	08/18/2022 19:13	WG1912548
1,2,3-Trimethylbenzene	U		4.60	20.0	100	08/18/2022 19:13	WG1912548
1,3,5-Trimethylbenzene	U		4.32	20.0	100	08/18/2022 19:13	WG1912548
Vinyl chloride	73.6		2.73	10.0	100	08/18/2022 19:13	WG1912548
Xylenes, Total	U		19.1	26.0	100	08/18/2022 19:13	WG1912548
Ethyl Ether	U		1.70	10.0	100	08/18/2022 19:13	WG1912548
Tetrahydrofuran	U		9.00	50.0	100	08/18/2022 19:13	WG1912548
Iodomethane	U		24.2	50.0	100	08/18/2022 19:13	WG1912548
Allyl chloride	U		58.0	100	100	08/18/2022 19:13	WG1912548
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	08/18/2022 19:13	WG1912548
(S) Toluene-d8	109			75.0-131		08/18/2022 19:13	WG1912548
(S) 4-Bromofluorobenzene	102			67.0-138		08/18/2022 19:13	WG1912548
(S) 1,2-Dichloroethane-d4	87.6			70.0-130		08/18/2022 19:13	WG1912548

- 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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	36200		594	5000	1	08/11/2022 15:55	WG1909317

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)	6030		102	1000	1	08/18/2022 19:02	WG1911945

Metals (ICPMS) by Method 6020B

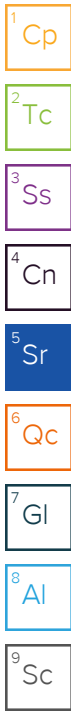
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4670		28.1	100	1	08/16/2022 18:13	WG1910286
Manganese	938		0.704	5.00	1	08/16/2022 18:13	WG1910286

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	668		0.287	0.678	1	08/12/2022 11:49	WG1909775
Ethane	3.31		0.296	1.29	1	08/12/2022 11:49	WG1909775
Ethene	U		0.422	1.27	1	08/12/2022 11:49	WG1909775

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	10.4	C5	0.548	1.00	1	08/16/2022 14:50	WG1911636
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 14:50	WG1911636
Benzene	U		0.0160	0.0400	1	08/16/2022 14:50	WG1911636
Bromobenzene	U	J4	0.0420	0.500	1	08/16/2022 14:50	WG1911636
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 14:50	WG1911636
Bromoform	U		0.239	1.00	1	08/16/2022 14:50	WG1911636
Bromomethane	U		0.148	0.500	1	08/16/2022 14:50	WG1911636
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 14:50	WG1911636
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 14:50	WG1911636
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 14:50	WG1911636
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 14:50	WG1911636
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 14:50	WG1911636
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 14:50	WG1911636
Chloroethane	U		0.0432	0.200	1	08/16/2022 14:50	WG1911636
Chloroform	U		0.0166	0.100	1	08/16/2022 14:50	WG1911636
Chloromethane	U		0.0556	0.500	1	08/16/2022 14:50	WG1911636
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 14:50	WG1911636
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 14:50	WG1911636
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 14:50	WG1911636
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 14:50	WG1911636
Dibromomethane	U		0.0400	0.200	1	08/16/2022 14:50	WG1911636
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 14:50	WG1911636
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 14:50	WG1911636
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 14:50	WG1911636
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 14:50	WG1911636
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 14:50	WG1911636
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 14:50	WG1911636
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 14:50	WG1911636
cis-1,2-Dichloroethene	0.121		0.0276	0.100	1	08/16/2022 14:50	WG1911636
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 14:50	WG1911636
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 14:50	WG1911636



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	08/16/2022 14:50	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 14:50	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 14:50	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 14:50	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 14:50	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 14:50	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 14:50	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 14:50	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 14:50	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 14:50	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 14:50	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 14:50	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 14:50	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 14:50	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 14:50	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 14:50	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 14:50	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 14:50	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 14:50	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 14:50	WG1911636
Tetrachloroethene	0.0520	J	0.0280	0.100	1	08/16/2022 14:50	WG1911636
Toluene	U		0.0500	0.200	1	08/16/2022 14:50	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 14:50	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 14:50	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 14:50	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 14:50	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 14:50	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 14:50	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 14:50	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 14:50	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 14:50	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 14:50	WG1911636
Vinyl chloride	0.330		0.0273	0.100	1	08/16/2022 14:50	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 14:50	WG1911636
Ethyl Ether	0.129		0.0170	0.100	1	08/16/2022 14:50	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 14:50	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 14:50	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 14:50	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 14:50	WG1911636
(S) Toluene-d8	109			75.0-131		08/16/2022 14:50	WG1911636
(S) 4-Bromofluorobenzene	74.3			67.0-138		08/16/2022 14:50	WG1911636
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/16/2022 14:50	WG1911636

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	9720		594	5000	1	08/11/2022 16:10	WG1909317

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)	5750		102	1000	1	08/18/2022 20:10	WG1911945

Metals (ICPMS) by Method 6020B

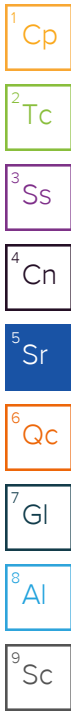
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3440		28.1	100	1	08/16/2022 18:16	WG1910286
Manganese	686		0.704	5.00	1	08/16/2022 18:16	WG1910286

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3190		0.287	0.678	1	08/12/2022 11:54	WG1909775
Ethane	0.460	J	0.296	1.29	1	08/12/2022 11:54	WG1909775
Ethene	U		0.422	1.27	1	08/12/2022 11:54	WG1909775

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	1.97	C5	0.548	1.00	1	08/16/2022 15:10	WG1911636
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 15:10	WG1911636
Benzene	U		0.0160	0.0400	1	08/16/2022 15:10	WG1911636
Bromobenzene	U	J4	0.0420	0.500	1	08/16/2022 15:10	WG1911636
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 15:10	WG1911636
Bromoform	U		0.239	1.00	1	08/16/2022 15:10	WG1911636
Bromomethane	U		0.148	0.500	1	08/16/2022 15:10	WG1911636
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 15:10	WG1911636
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 15:10	WG1911636
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 15:10	WG1911636
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 15:10	WG1911636
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 15:10	WG1911636
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 15:10	WG1911636
Chloroethane	U		0.0432	0.200	1	08/16/2022 15:10	WG1911636
Chloroform	U		0.0166	0.100	1	08/16/2022 15:10	WG1911636
Chloromethane	U		0.0556	0.500	1	08/16/2022 15:10	WG1911636
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 15:10	WG1911636
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 15:10	WG1911636
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 15:10	WG1911636
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 15:10	WG1911636
Dibromomethane	U		0.0400	0.200	1	08/16/2022 15:10	WG1911636
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 15:10	WG1911636
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 15:10	WG1911636
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 15:10	WG1911636
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 15:10	WG1911636
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 15:10	WG1911636
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 15:10	WG1911636
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 15:10	WG1911636
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/16/2022 15:10	WG1911636
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 15:10	WG1911636
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 15:10	WG1911636



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	08/16/2022 15:10	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 15:10	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 15:10	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 15:10	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 15:10	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 15:10	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 15:10	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 15:10	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 15:10	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 15:10	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 15:10	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 15:10	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 15:10	WG1911636
Methyl tert-butyl ether	0.0480		0.0118	0.0400	1	08/16/2022 15:10	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 15:10	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 15:10	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 15:10	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 15:10	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 15:10	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 15:10	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 15:10	WG1911636
Toluene	U		0.0500	0.200	1	08/16/2022 15:10	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 15:10	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 15:10	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 15:10	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 15:10	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 15:10	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 15:10	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 15:10	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 15:10	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 15:10	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 15:10	WG1911636
Vinyl chloride	U		0.0273	0.100	1	08/16/2022 15:10	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 15:10	WG1911636
Ethyl Ether	U		0.0170	0.100	1	08/16/2022 15:10	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 15:10	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 15:10	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 15:10	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 15:10	WG1911636
(S) Toluene-d8	102			75.0-131		08/16/2022 15:10	WG1911636
(S) 4-Bromofluorobenzene	76.9			67.0-138		08/16/2022 15:10	WG1911636
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/16/2022 15:10	WG1911636

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2620	J	594	5000	1	08/11/2022 18:27	WG1909317

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)	2570		102	1000	1	08/18/2022 20:27	WG1911945

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	41.2	J	28.1	100	1	08/16/2022 18:26	WG1910286
Manganese	37.0		0.704	5.00	1	08/16/2022 18:26	WG1910286

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	08/12/2022 11:57	WG1909775
Ethane	U		0.296	1.29	1	08/12/2022 11:57	WG1909775
Ethene	U		0.422	1.27	1	08/12/2022 11:57	WG1909775

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	6.36	C5	0.548	1.00	1	08/16/2022 15:29	WG1911636
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 15:29	WG1911636
Benzene	U		0.0160	0.0400	1	08/16/2022 15:29	WG1911636
Bromobenzene	U	J4	0.0420	0.500	1	08/16/2022 15:29	WG1911636
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 15:29	WG1911636
Bromoform	U		0.239	1.00	1	08/16/2022 15:29	WG1911636
Bromomethane	U		0.148	0.500	1	08/16/2022 15:29	WG1911636
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 15:29	WG1911636
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 15:29	WG1911636
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 15:29	WG1911636
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 15:29	WG1911636
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 15:29	WG1911636
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 15:29	WG1911636
Chloroethane	U		0.0432	0.200	1	08/16/2022 15:29	WG1911636
Chloroform	U		0.0166	0.100	1	08/16/2022 15:29	WG1911636
Chloromethane	U		0.0556	0.500	1	08/16/2022 15:29	WG1911636
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 15:29	WG1911636
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 15:29	WG1911636
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 15:29	WG1911636
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 15:29	WG1911636
Dibromomethane	U		0.0400	0.200	1	08/16/2022 15:29	WG1911636
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 15:29	WG1911636
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 15:29	WG1911636
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 15:29	WG1911636
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 15:29	WG1911636
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 15:29	WG1911636
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 15:29	WG1911636
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 15:29	WG1911636
cis-1,2-Dichloroethene	0.0530	J	0.0276	0.100	1	08/16/2022 15:29	WG1911636
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 15:29	WG1911636
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 15:29	WG1911636

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
1,1-Dichloropropene	U		0.0280	0.100	1	08/16/2022 15:29	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 15:29	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 15:29	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 15:29	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 15:29	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 15:29	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 15:29	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 15:29	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 15:29	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 15:29	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 15:29	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 15:29	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 15:29	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 15:29	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 15:29	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 15:29	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 15:29	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 15:29	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 15:29	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 15:29	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 15:29	WG1911636
Toluene	0.0790	J	0.0500	0.200	1	08/16/2022 15:29	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 15:29	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 15:29	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 15:29	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 15:29	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 15:29	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 15:29	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 15:29	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 15:29	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 15:29	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 15:29	WG1911636
Vinyl chloride	U		0.0273	0.100	1	08/16/2022 15:29	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 15:29	WG1911636
Ethyl Ether	U		0.0170	0.100	1	08/16/2022 15:29	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 15:29	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 15:29	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 15:29	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 15:29	WG1911636
(S) Toluene-d8	108			75.0-131		08/16/2022 15:29	WG1911636
(S) 4-Bromofluorobenzene	74.6			67.0-138		08/16/2022 15:29	WG1911636
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/16/2022 15:29	WG1911636

- 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		5.48	10.0	10	08/18/2022 19:32	WG1912548
Acrylonitrile	U		0.760	5.00	10	08/18/2022 19:32	WG1912548
Benzene	0.410		0.160	0.400	10	08/18/2022 19:32	WG1912548
Bromobenzene	U		0.420	5.00	10	08/18/2022 19:32	WG1912548
Bromodichloromethane	U		0.315	1.00	10	08/18/2022 19:32	WG1912548
Bromoform	U		2.39	10.0	10	08/18/2022 19:32	WG1912548
Bromomethane	U		1.48	5.00	10	08/18/2022 19:32	WG1912548
n-Butylbenzene	U		1.53	5.00	10	08/18/2022 19:32	WG1912548
sec-Butylbenzene	U		1.01	5.00	10	08/18/2022 19:32	WG1912548
tert-Butylbenzene	U		0.620	2.00	10	08/18/2022 19:32	WG1912548
Carbon tetrachloride	U		0.432	2.00	10	08/18/2022 19:32	WG1912548
Chlorobenzene	U		0.229	1.00	10	08/18/2022 19:32	WG1912548
Chlorodibromomethane	U		0.180	1.00	10	08/18/2022 19:32	WG1912548
Chloroethane	U		0.432	2.00	10	08/18/2022 19:32	WG1912548
Chloroform	U		0.166	1.00	10	08/18/2022 19:32	WG1912548
Chloromethane	U	C3 J3	0.556	5.00	10	08/18/2022 19:32	WG1912548
2-Chlorotoluene	U		0.368	1.00	10	08/18/2022 19:32	WG1912548
4-Chlorotoluene	U		0.452	2.00	10	08/18/2022 19:32	WG1912548
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	08/18/2022 19:32	WG1912548
1,2-Dibromoethane	U		0.210	1.00	10	08/18/2022 19:32	WG1912548
Dibromomethane	U		0.400	2.00	10	08/18/2022 19:32	WG1912548
1,2-Dichlorobenzene	U		0.580	2.00	10	08/18/2022 19:32	WG1912548
1,3-Dichlorobenzene	U		0.680	2.00	10	08/18/2022 19:32	WG1912548
1,4-Dichlorobenzene	U		0.788	2.00	10	08/18/2022 19:32	WG1912548
Dichlorodifluoromethane	U		0.327	1.00	10	08/18/2022 19:32	WG1912548
1,1-Dichloroethane	U		0.230	1.00	10	08/18/2022 19:32	WG1912548
1,2-Dichloroethane	U	C3	0.190	1.00	10	08/18/2022 19:32	WG1912548
1,1-Dichloroethene	0.790	J	0.200	1.00	10	08/18/2022 19:32	WG1912548
cis-1,2-Dichloroethene	369		0.276	1.00	10	08/18/2022 19:32	WG1912548
trans-1,2-Dichloroethene	1.67	J	0.572	2.00	10	08/18/2022 19:32	WG1912548
1,2-Dichloropropane	U		0.508	2.00	10	08/18/2022 19:32	WG1912548
1,1-Dichloropropene	U		0.280	1.00	10	08/18/2022 19:32	WG1912548
1,3-Dichloropropane	U		0.700	2.00	10	08/18/2022 19:32	WG1912548
cis-1,3-Dichloropropene	U		0.271	1.00	10	08/18/2022 19:32	WG1912548
trans-1,3-Dichloropropene	U		0.612	2.00	10	08/18/2022 19:32	WG1912548
2,2-Dichloropropane	U		0.317	1.00	10	08/18/2022 19:32	WG1912548
Di-isopropyl ether	U		0.140	0.400	10	08/18/2022 19:32	WG1912548
Ethylbenzene	U		0.212	1.00	10	08/18/2022 19:32	WG1912548
Hexachloro-1,3-butadiene	U		5.08	10.0	10	08/18/2022 19:32	WG1912548
Isopropylbenzene	U		0.345	1.00	10	08/18/2022 19:32	WG1912548
p-Isopropyltoluene	U		0.932	2.00	10	08/18/2022 19:32	WG1912548
2-Butanone (MEK)	U		5.00	10.0	10	08/18/2022 19:32	WG1912548
Methylene Chloride	U		2.65	10.0	10	08/18/2022 19:32	WG1912548
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	08/18/2022 19:32	WG1912548
Methyl tert-butyl ether	U		0.118	0.400	10	08/18/2022 19:32	WG1912548
Naphthalene	U		1.24	5.00	10	08/18/2022 19:32	WG1912548
n-Propylbenzene	U		0.472	2.00	10	08/18/2022 19:32	WG1912548
Styrene	U		1.09	5.00	10	08/18/2022 19:32	WG1912548
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	08/18/2022 19:32	WG1912548
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	08/18/2022 19:32	WG1912548
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	08/18/2022 19:32	WG1912548
Tetrachloroethene	133		0.280	1.00	10	08/18/2022 19:32	WG1912548
Toluene	U		0.500	2.00	10	08/18/2022 19:32	WG1912548
1,2,3-Trichlorobenzene	U		0.250	5.00	10	08/18/2022 19:32	WG1912548
1,2,4-Trichlorobenzene	U		1.93	5.00	10	08/18/2022 19:32	WG1912548
1,1,1-Trichloroethane	U		0.110	1.00	10	08/18/2022 19:32	WG1912548

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
1,1,2-Trichloroethane	U		0.353	1.00	10	08/18/2022 19:32	WG1912548
Trichloroethene	173		0.160	0.400	10	08/18/2022 19:32	WG1912548
Trichlorofluoromethane	U		0.200	1.00	10	08/18/2022 19:32	WG1912548
1,2,3-Trichloropropane	U		2.04	5.00	10	08/18/2022 19:32	WG1912548
1,2,4-Trimethylbenzene	U		0.464	2.00	10	08/18/2022 19:32	WG1912548
1,2,3-Trimethylbenzene	U		0.460	2.00	10	08/18/2022 19:32	WG1912548
1,3,5-Trimethylbenzene	U		0.432	2.00	10	08/18/2022 19:32	WG1912548
Vinyl chloride	U		0.273	1.00	10	08/18/2022 19:32	WG1912548
Xylenes, Total	U		1.91	2.60	10	08/18/2022 19:32	WG1912548
Ethyl Ether	U		0.170	1.00	10	08/18/2022 19:32	WG1912548
Tetrahydrofuran	U		0.900	5.00	10	08/18/2022 19:32	WG1912548
Iodomethane	U		2.42	5.00	10	08/18/2022 19:32	WG1912548
Allyl chloride	U		5.80	10.0	10	08/18/2022 19:32	WG1912548
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	08/18/2022 19:32	WG1912548
(S) Toluene-d8	108			75.0-131		08/18/2022 19:32	WG1912548
(S) 4-Bromofluorobenzene	101			67.0-138		08/18/2022 19:32	WG1912548
(S) 1,2-Dichloroethane-d4	87.6			70.0-130		08/18/2022 19:32	WG1912548

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	1.83		0.548	1.00	1	08/18/2022 17:40	WG1912548
Acrylonitrile	U		0.0760	0.500	1	08/18/2022 17:40	WG1912548
Benzene	U		0.0160	0.0400	1	08/18/2022 17:40	WG1912548
Bromobenzene	U		0.0420	0.500	1	08/18/2022 17:40	WG1912548
Bromodichloromethane	U		0.0315	0.100	1	08/18/2022 17:40	WG1912548
Bromoform	U		0.239	1.00	1	08/18/2022 17:40	WG1912548
Bromomethane	U		0.148	0.500	1	08/18/2022 17:40	WG1912548
n-Butylbenzene	U		0.153	0.500	1	08/18/2022 17:40	WG1912548
sec-Butylbenzene	U		0.101	0.500	1	08/18/2022 17:40	WG1912548
tert-Butylbenzene	U		0.0620	0.200	1	08/18/2022 17:40	WG1912548
Carbon tetrachloride	U		0.0432	0.200	1	08/18/2022 17:40	WG1912548
Chlorobenzene	U		0.0229	0.100	1	08/18/2022 17:40	WG1912548
Chlorodibromomethane	U		0.0180	0.100	1	08/18/2022 17:40	WG1912548
Chloroethane	U		0.0432	0.200	1	08/18/2022 17:40	WG1912548
Chloroform	0.0460	J	0.0166	0.100	1	08/18/2022 17:40	WG1912548
Chloromethane	U	C3 J3	0.0556	0.500	1	08/18/2022 17:40	WG1912548
2-Chlorotoluene	U		0.0368	0.100	1	08/18/2022 17:40	WG1912548
4-Chlorotoluene	U		0.0452	0.200	1	08/18/2022 17:40	WG1912548
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/18/2022 17:40	WG1912548
1,2-Dibromoethane	U		0.0210	0.100	1	08/18/2022 17:40	WG1912548
Dibromomethane	U		0.0400	0.200	1	08/18/2022 17:40	WG1912548
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/18/2022 17:40	WG1912548
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/18/2022 17:40	WG1912548
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/18/2022 17:40	WG1912548
Dichlorodifluoromethane	U		0.0327	0.100	1	08/18/2022 17:40	WG1912548
1,1-Dichloroethane	U		0.0230	0.100	1	08/18/2022 17:40	WG1912548
1,2-Dichloroethane	U	C3	0.0190	0.100	1	08/18/2022 17:40	WG1912548
1,1-Dichloroethene	U		0.0200	0.100	1	08/18/2022 17:40	WG1912548
cis-1,2-Dichloroethene	23.2		0.0276	0.100	1	08/18/2022 17:40	WG1912548
trans-1,2-Dichloroethene	0.129	J	0.0572	0.200	1	08/18/2022 17:40	WG1912548
1,2-Dichloropropane	U		0.0508	0.200	1	08/18/2022 17:40	WG1912548
1,1-Dichloropropene	U		0.0280	0.100	1	08/18/2022 17:40	WG1912548
1,3-Dichloropropane	U		0.0700	0.200	1	08/18/2022 17:40	WG1912548
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/18/2022 17:40	WG1912548
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/18/2022 17:40	WG1912548
2,2-Dichloropropane	U		0.0317	0.100	1	08/18/2022 17:40	WG1912548
Di-isopropyl ether	U		0.0140	0.0400	1	08/18/2022 17:40	WG1912548
Ethylbenzene	U		0.0212	0.100	1	08/18/2022 17:40	WG1912548
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/18/2022 17:40	WG1912548
Isopropylbenzene	U		0.0345	0.100	1	08/18/2022 17:40	WG1912548
p-Isopropyltoluene	U		0.0932	0.200	1	08/18/2022 17:40	WG1912548
2-Butanone (MEK)	U		0.500	1.00	1	08/18/2022 17:40	WG1912548
Methylene Chloride	U		0.265	1.00	1	08/18/2022 17:40	WG1912548
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/18/2022 17:40	WG1912548
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/18/2022 17:40	WG1912548
Naphthalene	U		0.124	0.500	1	08/18/2022 17:40	WG1912548
n-Propylbenzene	U		0.0472	0.200	1	08/18/2022 17:40	WG1912548
Styrene	U		0.109	0.500	1	08/18/2022 17:40	WG1912548
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/18/2022 17:40	WG1912548
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/18/2022 17:40	WG1912548
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/18/2022 17:40	WG1912548
Tetrachloroethene	0.0320	J	0.0280	0.100	1	08/18/2022 17:40	WG1912548
Toluene	U		0.0500	0.200	1	08/18/2022 17:40	WG1912548
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/18/2022 17:40	WG1912548
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/18/2022 17:40	WG1912548
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/18/2022 17:40	WG1912548

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/18/2022 17:40	WG1912548
Trichloroethene	0.891		0.0160	0.0400	1	08/18/2022 17:40	WG1912548
Trichlorofluoromethane	U		0.0200	0.100	1	08/18/2022 17:40	WG1912548
1,2,3-Trichloropropane	U		0.204	0.500	1	08/18/2022 17:40	WG1912548
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/18/2022 17:40	WG1912548
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/18/2022 17:40	WG1912548
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/18/2022 17:40	WG1912548
Vinyl chloride	U		0.0273	0.100	1	08/18/2022 17:40	WG1912548
Xylenes, Total	U		0.191	0.260	1	08/18/2022 17:40	WG1912548
Ethyl Ether	U		0.0170	0.100	1	08/18/2022 17:40	WG1912548
Tetrahydrofuran	0.336	B J	0.0900	0.500	1	08/18/2022 17:40	WG1912548
Iodomethane	U		0.242	0.500	1	08/18/2022 17:40	WG1912548
Allyl chloride	U		0.580	1.00	1	08/18/2022 17:40	WG1912548
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/18/2022 17:40	WG1912548
(S) Toluene-d8	112			75.0-131		08/18/2022 17:40	WG1912548
(S) 4-Bromofluorobenzene	98.4			67.0-138		08/18/2022 17:40	WG1912548
(S) 1,2-Dichloroethane-d4	81.6			70.0-130		08/18/2022 17:40	WG1912548

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	3980	J	594	5000	1	08/11/2022 13:03	WG1909103

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)	9420		102	1000	1	08/18/2022 04:01	WG1911943

Metals (ICPMS) by Method 6020B

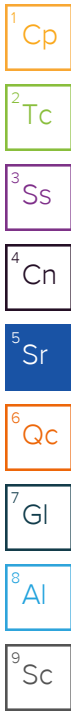
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	135		28.1	100	1	08/16/2022 18:29	WG1910286
Manganese	75.1		0.704	5.00	1	08/16/2022 18:29	WG1910286

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	83.7		0.287	0.678	1	08/12/2022 11:59	WG1909775
Ethane	0.764	J	0.296	1.29	1	08/12/2022 11:59	WG1909775
Ethene	12.0		0.422	1.27	1	08/12/2022 11:59	WG1909775

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	10.1	C5	0.548	1.00	1	08/16/2022 15:48	WG1911636
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 15:48	WG1911636
Benzene	0.0700		0.0160	0.0400	1	08/16/2022 15:48	WG1911636
Bromobenzene	U	J4	0.0420	0.500	1	08/16/2022 15:48	WG1911636
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 15:48	WG1911636
Bromoform	U		0.239	1.00	1	08/16/2022 15:48	WG1911636
Bromomethane	U		0.148	0.500	1	08/16/2022 15:48	WG1911636
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 15:48	WG1911636
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 15:48	WG1911636
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 15:48	WG1911636
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 15:48	WG1911636
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 15:48	WG1911636
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 15:48	WG1911636
Chloroethane	U		0.0432	0.200	1	08/16/2022 15:48	WG1911636
Chloroform	U		0.0166	0.100	1	08/16/2022 15:48	WG1911636
Chloromethane	U		0.0556	0.500	1	08/16/2022 15:48	WG1911636
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 15:48	WG1911636
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 15:48	WG1911636
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 15:48	WG1911636
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 15:48	WG1911636
Dibromomethane	U		0.0400	0.200	1	08/16/2022 15:48	WG1911636
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 15:48	WG1911636
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 15:48	WG1911636
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 15:48	WG1911636
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 15:48	WG1911636
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 15:48	WG1911636
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 15:48	WG1911636
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 15:48	WG1911636
cis-1,2-Dichloroethene	0.196		0.0276	0.100	1	08/16/2022 15:48	WG1911636
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 15:48	WG1911636
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 15:48	WG1911636



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	08/16/2022 15:48	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 15:48	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 15:48	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 15:48	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 15:48	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 15:48	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 15:48	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 15:48	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 15:48	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 15:48	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 15:48	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 15:48	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 15:48	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 15:48	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 15:48	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 15:48	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 15:48	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 15:48	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 15:48	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 15:48	WG1911636
Tetrachloroethene	0.131	C5	0.0280	0.100	1	08/16/2022 15:48	WG1911636
Toluene	0.0950	J	0.0500	0.200	1	08/16/2022 15:48	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 15:48	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 15:48	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 15:48	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 15:48	WG1911636
Trichloroethene	0.258		0.0160	0.0400	1	08/16/2022 15:48	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 15:48	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 15:48	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 15:48	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 15:48	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 15:48	WG1911636
Vinyl chloride	U		0.0273	0.100	1	08/16/2022 15:48	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 15:48	WG1911636
Ethyl Ether	U		0.0170	0.100	1	08/16/2022 15:48	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 15:48	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 15:48	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 15:48	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 15:48	WG1911636
(S) Toluene-d8	108			75.0-131		08/16/2022 15:48	WG1911636
(S) 4-Bromofluorobenzene	80.6			67.0-138		08/16/2022 15:48	WG1911636
(S) 1,2-Dichloroethane-d4	109			70.0-130		08/16/2022 15:48	WG1911636

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	15400		594	5000	1	08/11/2022 13:26	WG1909317

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)	1470	<u>B</u>	102	1000	1	08/18/2022 04:34	WG1911943

Metals (ICPMS) by Method 6020B

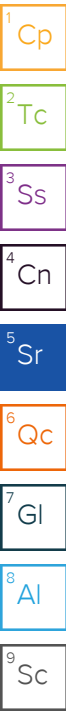
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1110		28.1	100	1	08/16/2022 18:33	WG1910286
Manganese	244		0.704	5.00	1	08/16/2022 18:33	WG1910286

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	205		0.287	0.678	1	08/12/2022 12:05	WG1909775
Ethane	15.9		0.296	1.29	1	08/12/2022 12:05	WG1909775
Ethene	3.55		0.422	1.27	1	08/12/2022 12:05	WG1909775

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	7.30	<u>C5</u>	0.548	1.00	1	08/16/2022 16:07	WG1911636
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 16:07	WG1911636
Benzene	0.0260	<u>J</u>	0.0160	0.0400	1	08/16/2022 16:07	WG1911636
Bromobenzene	U	<u>J4</u>	0.0420	0.500	1	08/16/2022 16:07	WG1911636
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 16:07	WG1911636
Bromoform	U		0.239	1.00	1	08/16/2022 16:07	WG1911636
Bromomethane	U		0.148	0.500	1	08/16/2022 16:07	WG1911636
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 16:07	WG1911636
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 16:07	WG1911636
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 16:07	WG1911636
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 16:07	WG1911636
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 16:07	WG1911636
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 16:07	WG1911636
Chloroethane	U		0.0432	0.200	1	08/16/2022 16:07	WG1911636
Chloroform	U		0.0166	0.100	1	08/16/2022 16:07	WG1911636
Chloromethane	U		0.0556	0.500	1	08/16/2022 16:07	WG1911636
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 16:07	WG1911636
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 16:07	WG1911636
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 16:07	WG1911636
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 16:07	WG1911636
Dibromomethane	U		0.0400	0.200	1	08/16/2022 16:07	WG1911636
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 16:07	WG1911636
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 16:07	WG1911636
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 16:07	WG1911636
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 16:07	WG1911636
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 16:07	WG1911636
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 16:07	WG1911636
1,1-Dichloroethene	0.0340	<u>J</u>	0.0200	0.100	1	08/16/2022 16:07	WG1911636
cis-1,2-Dichloroethene	1.74		0.0276	0.100	1	08/16/2022 16:07	WG1911636
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 16:07	WG1911636
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 16:07	WG1911636



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	08/16/2022 16:07	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 16:07	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 16:07	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 16:07	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 16:07	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 16:07	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 16:07	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 16:07	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 16:07	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 16:07	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 16:07	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 16:07	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 16:07	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 16:07	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 16:07	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 16:07	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 16:07	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 16:07	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 16:07	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 16:07	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 16:07	WG1911636
Toluene	U		0.0500	0.200	1	08/16/2022 16:07	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 16:07	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 16:07	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 16:07	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 16:07	WG1911636
Trichloroethene	0.0600		0.0160	0.0400	1	08/16/2022 16:07	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 16:07	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 16:07	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 16:07	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 16:07	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 16:07	WG1911636
Vinyl chloride	15.1		0.0273	0.100	1	08/16/2022 16:07	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 16:07	WG1911636
Ethyl Ether	U		0.0170	0.100	1	08/16/2022 16:07	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 16:07	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 16:07	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 16:07	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 16:07	WG1911636
(S) Toluene-d8	112			75.0-131		08/16/2022 16:07	WG1911636
(S) 4-Bromofluorobenzene	69.3			67.0-138		08/16/2022 16:07	WG1911636
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/16/2022 16:07	WG1911636

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	19900	<u>T8</u>	594	5000	1	08/11/2022 20:26	WG1909317

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)	3640		102	1000	1	08/18/2022 04:51	WG1911943

Metals (ICPMS) by Method 6020B

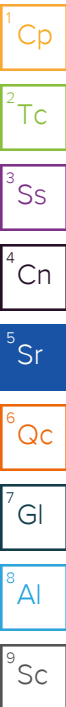
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1080		28.1	100	1	08/16/2022 18:36	WG1910286
Manganese	184		0.704	5.00	1	08/16/2022 18:36	WG1910286

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	123		0.287	0.678	1	08/12/2022 12:09	WG1909775
Ethane	2.69		0.296	1.29	1	08/12/2022 12:09	WG1909775
Ethene	1.95		0.422	1.27	1	08/12/2022 12:09	WG1909775

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	7.53	<u>C5</u>	0.548	1.00	1	08/16/2022 16:27	WG1911636
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 16:27	WG1911636
Benzene	0.0320	<u>J</u>	0.0160	0.0400	1	08/16/2022 16:27	WG1911636
Bromobenzene	U	<u>J4</u>	0.0420	0.500	1	08/16/2022 16:27	WG1911636
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 16:27	WG1911636
Bromoform	U		0.239	1.00	1	08/16/2022 16:27	WG1911636
Bromomethane	U		0.148	0.500	1	08/16/2022 16:27	WG1911636
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 16:27	WG1911636
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 16:27	WG1911636
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 16:27	WG1911636
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 16:27	WG1911636
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 16:27	WG1911636
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 16:27	WG1911636
Chloroethane	U		0.0432	0.200	1	08/16/2022 16:27	WG1911636
Chloroform	U		0.0166	0.100	1	08/16/2022 16:27	WG1911636
Chloromethane	U		0.0556	0.500	1	08/16/2022 16:27	WG1911636
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 16:27	WG1911636
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 16:27	WG1911636
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 16:27	WG1911636
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 16:27	WG1911636
Dibromomethane	U		0.0400	0.200	1	08/16/2022 16:27	WG1911636
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 16:27	WG1911636
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 16:27	WG1911636
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 16:27	WG1911636
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 16:27	WG1911636
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 16:27	WG1911636
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 16:27	WG1911636
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 16:27	WG1911636
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/16/2022 16:27	WG1911636
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 16:27	WG1911636
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 16:27	WG1911636



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	08/16/2022 16:27	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 16:27	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 16:27	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 16:27	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 16:27	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 16:27	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 16:27	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 16:27	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 16:27	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 16:27	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 16:27	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 16:27	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 16:27	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 16:27	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 16:27	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 16:27	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 16:27	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 16:27	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 16:27	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 16:27	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 16:27	WG1911636
Toluene	0.122	J	0.0500	0.200	1	08/16/2022 16:27	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 16:27	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 16:27	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 16:27	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 16:27	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 16:27	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 16:27	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 16:27	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 16:27	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 16:27	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 16:27	WG1911636
Vinyl chloride	U		0.0273	0.100	1	08/16/2022 16:27	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 16:27	WG1911636
Ethyl Ether	U		0.0170	0.100	1	08/16/2022 16:27	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 16:27	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 16:27	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 16:27	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 16:27	WG1911636
(S) Toluene-d8	107			75.0-131		08/16/2022 16:27	WG1911636
(S) 4-Bromofluorobenzene	79.9			67.0-138		08/16/2022 16:27	WG1911636
(S) 1,2-Dichloroethane-d4	111			70.0-130		08/16/2022 16:27	WG1911636

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	7120	T8	594	5000	1	08/11/2022 20:41	WG1909317

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)	1700	B	102	1000	1	08/18/2022 05:54	WG1911943

Metals (ICPMS) by Method 6020B

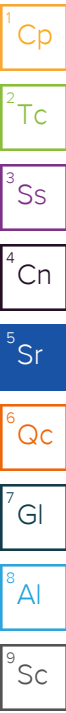
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	70.8	J	28.1	100	1	08/16/2022 18:39	WG1910286
Manganese	37.9		0.704	5.00	1	08/16/2022 18:39	WG1910286

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	08/12/2022 12:16	WG1909775
Ethane	U		0.296	1.29	1	08/12/2022 12:16	WG1909775
Ethene	U		0.422	1.27	1	08/12/2022 12:16	WG1909775

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	4.08	C5	0.548	1.00	1	08/16/2022 16:46	WG1911636
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 16:46	WG1911636
Benzene	U		0.0160	0.0400	1	08/16/2022 16:46	WG1911636
Bromobenzene	U	J4	0.0420	0.500	1	08/16/2022 16:46	WG1911636
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 16:46	WG1911636
Bromoform	U		0.239	1.00	1	08/16/2022 16:46	WG1911636
Bromomethane	U		0.148	0.500	1	08/16/2022 16:46	WG1911636
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 16:46	WG1911636
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 16:46	WG1911636
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 16:46	WG1911636
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 16:46	WG1911636
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 16:46	WG1911636
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 16:46	WG1911636
Chloroethane	U		0.0432	0.200	1	08/16/2022 16:46	WG1911636
Chloroform	U		0.0166	0.100	1	08/16/2022 16:46	WG1911636
Chloromethane	U		0.0556	0.500	1	08/16/2022 16:46	WG1911636
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 16:46	WG1911636
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 16:46	WG1911636
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 16:46	WG1911636
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 16:46	WG1911636
Dibromomethane	U		0.0400	0.200	1	08/16/2022 16:46	WG1911636
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 16:46	WG1911636
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 16:46	WG1911636
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 16:46	WG1911636
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 16:46	WG1911636
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 16:46	WG1911636
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 16:46	WG1911636
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 16:46	WG1911636
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/16/2022 16:46	WG1911636
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 16:46	WG1911636
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 16:46	WG1911636



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	08/16/2022 16:46	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 16:46	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 16:46	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 16:46	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 16:46	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 16:46	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 16:46	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 16:46	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 16:46	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 16:46	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 16:46	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 16:46	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 16:46	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 16:46	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 16:46	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 16:46	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 16:46	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 16:46	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 16:46	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 16:46	WG1911636
Tetrachloroethene	0.0370	J	0.0280	0.100	1	08/16/2022 16:46	WG1911636
Toluene	0.117	J	0.0500	0.200	1	08/16/2022 16:46	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 16:46	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 16:46	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 16:46	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 16:46	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 16:46	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 16:46	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 16:46	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 16:46	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 16:46	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 16:46	WG1911636
Vinyl chloride	U		0.0273	0.100	1	08/16/2022 16:46	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 16:46	WG1911636
Ethyl Ether	U		0.0170	0.100	1	08/16/2022 16:46	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 16:46	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 16:46	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 16:46	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 16:46	WG1911636
(S) Toluene-d8	104			75.0-131		08/16/2022 16:46	WG1911636
(S) 4-Bromofluorobenzene	82.9			67.0-138		08/16/2022 16:46	WG1911636
(S) 1,2-Dichloroethane-d4	107			70.0-130		08/16/2022 16:46	WG1911636

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1240	J T8	594	5000	1	08/11/2022 20:56	WG1909317

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)	7750		102	1000	1	08/18/2022 06:12	WG1911943

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10200		28.1	100	1	08/16/2022 18:42	WG1910286
Manganese	3230		0.704	5.00	1	08/16/2022 18:42	WG1910286

Volatile Organic Compounds (GC) by Method NWTPHGX

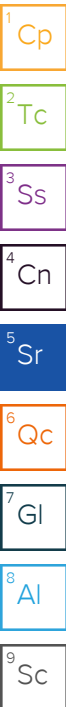
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/15/2022 07:33	WG1910696
(S) a,a,a-Trifluorotoluene(FID)	98.4			78.0-120		08/15/2022 07:33	WG1910696

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4050		0.287	0.678	1	08/12/2022 12:18	WG1909775
Ethane	1.56		0.296	1.29	1	08/12/2022 12:18	WG1909775
Ethene	U		0.422	1.27	1	08/12/2022 12:18	WG1909775

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	08/16/2022 17:05	WG1911636
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 17:05	WG1911636
Benzene	U		0.0160	0.0400	1	08/16/2022 17:05	WG1911636
Bromobenzene	U	J4	0.0420	0.500	1	08/16/2022 17:05	WG1911636
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 17:05	WG1911636
Bromoform	U		0.239	1.00	1	08/16/2022 17:05	WG1911636
Bromomethane	U		0.148	0.500	1	08/16/2022 17:05	WG1911636
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 17:05	WG1911636
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 17:05	WG1911636
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 17:05	WG1911636
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 17:05	WG1911636
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 17:05	WG1911636
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 17:05	WG1911636
Chloroethane	U		0.0432	0.200	1	08/16/2022 17:05	WG1911636
Chloroform	U		0.0166	0.100	1	08/16/2022 17:05	WG1911636
Chloromethane	U		0.0556	0.500	1	08/16/2022 17:05	WG1911636
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 17:05	WG1911636
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 17:05	WG1911636
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 17:05	WG1911636
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 17:05	WG1911636
Dibromomethane	U		0.0400	0.200	1	08/16/2022 17:05	WG1911636
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 17:05	WG1911636
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 17:05	WG1911636



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 17:05	WG1911636
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 17:05	WG1911636
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 17:05	WG1911636
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 17:05	WG1911636
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 17:05	WG1911636
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/16/2022 17:05	WG1911636
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 17:05	WG1911636
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 17:05	WG1911636
1,1-Dichloropropene	U		0.0280	0.100	1	08/16/2022 17:05	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 17:05	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 17:05	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 17:05	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 17:05	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 17:05	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 17:05	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 17:05	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 17:05	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 17:05	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 17:05	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 17:05	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 17:05	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 17:05	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 17:05	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 17:05	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 17:05	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 17:05	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 17:05	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 17:05	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 17:05	WG1911636
Toluene	U		0.0500	0.200	1	08/16/2022 17:05	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 17:05	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 17:05	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 17:05	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 17:05	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 17:05	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 17:05	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 17:05	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 17:05	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 17:05	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 17:05	WG1911636
Vinyl chloride	U		0.0273	0.100	1	08/16/2022 17:05	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 17:05	WG1911636
Ethyl Ether	0.0360	J	0.0170	0.100	1	08/16/2022 17:05	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 17:05	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 17:05	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 17:05	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 17:05	WG1911636
(S) Toluene-d8	105			75.0-131		08/16/2022 17:05	WG1911636
(S) 4-Bromofluorobenzene	76.9			67.0-138		08/16/2022 17:05	WG1911636
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/16/2022 17:05	WG1911636

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	Batch
Sulfate	1490	J T8	594	5000	1	08/11/2022 21:11	WG1909317

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	7840		102	1000	1	08/18/2022 06:30	WG1911943

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	10200		28.1	100	1	08/16/2022 18:46	WG1910286
Manganese	3310		0.704	5.00	1	08/16/2022 18:46	WG1910286

Volatile Organic Compounds (GC) by Method NWTPHGX

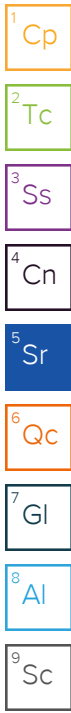
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/15/2022 07:54	WG1910696
(S) a,a,a-Trifluorotoluene(FID)	97.8			78.0-120		08/15/2022 07:54	WG1910696

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	5580		0.287	0.678	1	08/12/2022 12:54	WG1909777
Ethane	1.93		0.296	1.29	1	08/12/2022 12:54	WG1909777
Ethene	U		0.422	1.27	1	08/12/2022 12:54	WG1909777

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	U		0.548	1.00	1	08/16/2022 17:24	WG1911636
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 17:24	WG1911636
Benzene	U		0.0160	0.0400	1	08/16/2022 17:24	WG1911636
Bromobenzene	U	J4	0.0420	0.500	1	08/16/2022 17:24	WG1911636
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 17:24	WG1911636
Bromoform	U		0.239	1.00	1	08/16/2022 17:24	WG1911636
Bromomethane	U		0.148	0.500	1	08/16/2022 17:24	WG1911636
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 17:24	WG1911636
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 17:24	WG1911636
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 17:24	WG1911636
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 17:24	WG1911636
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 17:24	WG1911636
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 17:24	WG1911636
Chloroethane	U		0.0432	0.200	1	08/16/2022 17:24	WG1911636
Chloroform	U		0.0166	0.100	1	08/16/2022 17:24	WG1911636
Chloromethane	U		0.0556	0.500	1	08/16/2022 17:24	WG1911636
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 17:24	WG1911636
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 17:24	WG1911636
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 17:24	WG1911636
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 17:24	WG1911636
Dibromomethane	U		0.0400	0.200	1	08/16/2022 17:24	WG1911636
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 17:24	WG1911636
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 17:24	WG1911636



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 17:24	WG1911636
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 17:24	WG1911636
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 17:24	WG1911636
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 17:24	WG1911636
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 17:24	WG1911636
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/16/2022 17:24	WG1911636
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 17:24	WG1911636
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 17:24	WG1911636
1,1-Dichloropropene	U		0.0280	0.100	1	08/16/2022 17:24	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 17:24	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 17:24	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 17:24	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 17:24	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 17:24	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 17:24	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 17:24	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 17:24	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 17:24	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 17:24	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 17:24	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 17:24	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 17:24	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 17:24	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 17:24	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 17:24	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 17:24	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 17:24	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 17:24	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 17:24	WG1911636
Toluene	U		0.0500	0.200	1	08/16/2022 17:24	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 17:24	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 17:24	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 17:24	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 17:24	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 17:24	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 17:24	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 17:24	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 17:24	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 17:24	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 17:24	WG1911636
Vinyl chloride	U		0.0273	0.100	1	08/16/2022 17:24	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 17:24	WG1911636
Ethyl Ether	0.0390	J	0.0170	0.100	1	08/16/2022 17:24	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 17:24	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 17:24	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 17:24	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 17:24	WG1911636
(S) Toluene-d8	105			75.0-131		08/16/2022 17:24	WG1911636
(S) 4-Bromofluorobenzene	78.1			67.0-138		08/16/2022 17:24	WG1911636
(S) 1,2-Dichloroethane-d4	114			70.0-130		08/16/2022 17:24	WG1911636

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	Batch
Sulfate	26600		594	5000	1	08/11/2022 12:39	WG1909317

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	4720		102	1000	1	08/18/2022 07:27	WG1911943

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	15600		28.1	100	1	08/16/2022 18:49	WG1910286
Manganese	3020		0.704	5.00	1	08/16/2022 18:49	WG1910286

Volatile Organic Compounds (GC) by Method NWTPHGX

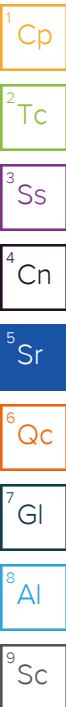
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/15/2022 08:16	WG1910696
^(S) a,a,a-Trifluorotoluene(FID)	94.3			78.0-120		08/15/2022 08:16	WG1910696

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	255		0.287	0.678	1	08/12/2022 12:58	WG1909777
Ethane	1.74		0.296	1.29	1	08/12/2022 12:58	WG1909777
Ethene	U		0.422	1.27	1	08/12/2022 12:58	WG1909777

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	6.85	C5	0.548	1.00	1	08/16/2022 17:44	WG1911636
Acrylonitrile	U		0.0760	0.500	1	08/16/2022 17:44	WG1911636
Benzene	0.0400	J	0.0160	0.0400	1	08/16/2022 17:44	WG1911636
Bromobenzene	U	J4	0.0420	0.500	1	08/16/2022 17:44	WG1911636
Bromodichloromethane	U		0.0315	0.100	1	08/16/2022 17:44	WG1911636
Bromoform	U		0.239	1.00	1	08/16/2022 17:44	WG1911636
Bromomethane	U		0.148	0.500	1	08/16/2022 17:44	WG1911636
n-Butylbenzene	U		0.153	0.500	1	08/16/2022 17:44	WG1911636
sec-Butylbenzene	U		0.101	0.500	1	08/16/2022 17:44	WG1911636
tert-Butylbenzene	U		0.0620	0.200	1	08/16/2022 17:44	WG1911636
Carbon tetrachloride	U		0.0432	0.200	1	08/16/2022 17:44	WG1911636
Chlorobenzene	U		0.0229	0.100	1	08/16/2022 17:44	WG1911636
Chlorodibromomethane	U		0.0180	0.100	1	08/16/2022 17:44	WG1911636
Chloroethane	U		0.0432	0.200	1	08/16/2022 17:44	WG1911636
Chloroform	U		0.0166	0.100	1	08/16/2022 17:44	WG1911636
Chloromethane	U		0.0556	0.500	1	08/16/2022 17:44	WG1911636
2-Chlorotoluene	U		0.0368	0.100	1	08/16/2022 17:44	WG1911636
4-Chlorotoluene	U		0.0452	0.200	1	08/16/2022 17:44	WG1911636
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/16/2022 17:44	WG1911636
1,2-Dibromoethane	U		0.0210	0.100	1	08/16/2022 17:44	WG1911636
Dibromomethane	U		0.0400	0.200	1	08/16/2022 17:44	WG1911636
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/16/2022 17:44	WG1911636
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/16/2022 17:44	WG1911636



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/16/2022 17:44	WG1911636
Dichlorodifluoromethane	U		0.0327	0.100	1	08/16/2022 17:44	WG1911636
1,1-Dichloroethane	U		0.0230	0.100	1	08/16/2022 17:44	WG1911636
1,2-Dichloroethane	U		0.0190	0.100	1	08/16/2022 17:44	WG1911636
1,1-Dichloroethene	U		0.0200	0.100	1	08/16/2022 17:44	WG1911636
cis-1,2-Dichloroethene	0.0750	J	0.0276	0.100	1	08/16/2022 17:44	WG1911636
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/16/2022 17:44	WG1911636
1,2-Dichloropropane	U		0.0508	0.200	1	08/16/2022 17:44	WG1911636
1,1-Dichloropropene	U		0.0280	0.100	1	08/16/2022 17:44	WG1911636
1,3-Dichloropropane	U		0.0700	0.200	1	08/16/2022 17:44	WG1911636
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/16/2022 17:44	WG1911636
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/16/2022 17:44	WG1911636
2,2-Dichloropropane	U		0.0317	0.100	1	08/16/2022 17:44	WG1911636
Di-isopropyl ether	U		0.0140	0.0400	1	08/16/2022 17:44	WG1911636
Ethylbenzene	U		0.0212	0.100	1	08/16/2022 17:44	WG1911636
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/16/2022 17:44	WG1911636
Isopropylbenzene	U		0.0345	0.100	1	08/16/2022 17:44	WG1911636
p-Isopropyltoluene	U		0.0932	0.200	1	08/16/2022 17:44	WG1911636
2-Butanone (MEK)	U		0.500	1.00	1	08/16/2022 17:44	WG1911636
Methylene Chloride	U		0.265	1.00	1	08/16/2022 17:44	WG1911636
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/16/2022 17:44	WG1911636
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/16/2022 17:44	WG1911636
Naphthalene	U		0.124	0.500	1	08/16/2022 17:44	WG1911636
n-Propylbenzene	U		0.0472	0.200	1	08/16/2022 17:44	WG1911636
Styrene	U		0.109	0.500	1	08/16/2022 17:44	WG1911636
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/16/2022 17:44	WG1911636
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/16/2022 17:44	WG1911636
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/16/2022 17:44	WG1911636
Tetrachloroethene	U		0.0280	0.100	1	08/16/2022 17:44	WG1911636
Toluene	U		0.0500	0.200	1	08/16/2022 17:44	WG1911636
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/16/2022 17:44	WG1911636
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/16/2022 17:44	WG1911636
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/16/2022 17:44	WG1911636
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/16/2022 17:44	WG1911636
Trichloroethene	U		0.0160	0.0400	1	08/16/2022 17:44	WG1911636
Trichlorofluoromethane	U		0.0200	0.100	1	08/16/2022 17:44	WG1911636
1,2,3-Trichloropropane	U	J4	0.204	0.500	1	08/16/2022 17:44	WG1911636
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/16/2022 17:44	WG1911636
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/16/2022 17:44	WG1911636
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/16/2022 17:44	WG1911636
Vinyl chloride	0.626		0.0273	0.100	1	08/16/2022 17:44	WG1911636
Xylenes, Total	U		0.191	0.260	1	08/16/2022 17:44	WG1911636
Ethyl Ether	0.275		0.0170	0.100	1	08/16/2022 17:44	WG1911636
Tetrahydrofuran	U		0.0900	0.500	1	08/16/2022 17:44	WG1911636
Iodomethane	U		0.242	0.500	1	08/16/2022 17:44	WG1911636
Allyl chloride	U		0.580	1.00	1	08/16/2022 17:44	WG1911636
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/16/2022 17:44	WG1911636
(S) Toluene-d8	105			75.0-131		08/16/2022 17:44	WG1911636
(S) 4-Bromofluorobenzene	72.7			67.0-138		08/16/2022 17:44	WG1911636
(S) 1,2-Dichloroethane-d4	114			70.0-130		08/16/2022 17:44	WG1911636

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	13800	<u>T8</u>	594	5000	1	08/11/2022 21:56	WG1909317

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)	6800		102	1000	1	08/18/2022 07:45	WG1911943

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	8250		28.1	100	1	08/16/2022 18:52	WG1910286
Manganese	6020		0.704	5.00	1	08/16/2022 18:52	WG1910286

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/15/2022 08:39	WG1910696
(S) a,a,a-Trifluorotoluene(FID)	95.4			78.0-120		08/15/2022 08:39	WG1910696

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	381		0.287	0.678	1	08/12/2022 13:02	WG1909777
Ethane	1.26	<u>J</u>	0.296	1.29	1	08/12/2022 13:02	WG1909777
Ethene	U		0.422	1.27	1	08/12/2022 13:02	WG1909777

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	7.44		0.548	1.00	1	08/19/2022 12:40	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 12:40	WG1913512
Benzene	U		0.0160	0.0400	1	08/19/2022 12:40	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 12:40	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 12:40	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 12:40	WG1913512
Bromomethane	U	<u>C3</u>	0.148	0.500	1	08/19/2022 12:40	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 12:40	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 12:40	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 12:40	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 12:40	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 12:40	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 12:40	WG1913512
Chloroethane	U		0.0432	0.200	1	08/19/2022 12:40	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 12:40	WG1913512
Chloromethane	U	<u>C3</u>	0.0556	0.500	1	08/19/2022 12:40	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 12:40	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 12:40	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 12:40	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 12:40	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 12:40	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 12:40	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 12:40	WG1913512

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
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 12:40	WG1913512
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	08/19/2022 12:40	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 12:40	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 12:40	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 12:40	WG1913512
cis-1,2-Dichloroethene	0.174		0.0276	0.100	1	08/19/2022 12:40	WG1913512
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 12:40	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 12:40	WG1913512
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 12:40	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 12:40	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 12:40	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 12:40	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 12:40	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 12:40	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 12:40	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 12:40	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 12:40	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 12:40	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 12:40	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 12:40	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 12:40	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 12:40	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 12:40	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 12:40	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 12:40	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 12:40	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 12:40	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 12:40	WG1913512
Tetrachloroethene	0.173		0.0280	0.100	1	08/19/2022 12:40	WG1913512
Toluene	U		0.0500	0.200	1	08/19/2022 12:40	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 12:40	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 12:40	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 12:40	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 12:40	WG1913512
Trichloroethene	0.109		0.0160	0.0400	1	08/19/2022 12:40	WG1913512
Trichlorofluoromethane	U	C3	0.0200	0.100	1	08/19/2022 12:40	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 12:40	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 12:40	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 12:40	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 12:40	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 12:40	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 12:40	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 12:40	WG1913512
Tetrahydrofuran	0.302	J	0.0900	0.500	1	08/19/2022 12:40	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 12:40	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 12:40	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 12:40	WG1913512
(S) Toluene-d8	107			75.0-131		08/19/2022 12:40	WG1913512
(S) 4-Bromofluorobenzene	98.3			67.0-138		08/19/2022 12:40	WG1913512
(S) 1,2-Dichloroethane-d4	91.2			70.0-130		08/19/2022 12:40	WG1913512

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	40200		594	5000	1	08/11/2022 12:56	WG1909317

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)	2280	<u>B</u>	102	1000	1	08/18/2022 08:01	WG1911943

Metals (ICPMS) by Method 6020B

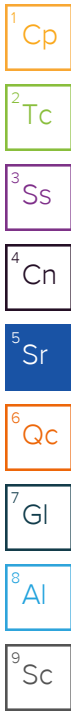
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	45.6	<u>J</u>	28.1	100	1	08/16/2022 18:55	WG1910286
Manganese	27.4		0.704	5.00	1	08/16/2022 18:55	WG1910286

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	08/12/2022 13:05	WG1909777
Ethane	U		0.296	1.29	1	08/12/2022 13:05	WG1909777
Ethene	U		0.422	1.27	1	08/12/2022 13:05	WG1909777

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		0.548	1.00	1	08/19/2022 12:59	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 12:59	WG1913512
Benzene	0.0280	<u>J</u>	0.0160	0.0400	1	08/19/2022 12:59	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 12:59	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 12:59	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 12:59	WG1913512
Bromomethane	U	<u>C3</u>	0.148	0.500	1	08/19/2022 12:59	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 12:59	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 12:59	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 12:59	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 12:59	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 12:59	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 12:59	WG1913512
Chloroethane	U		0.0432	0.200	1	08/19/2022 12:59	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 12:59	WG1913512
Chloromethane	U	<u>C3</u>	0.0556	0.500	1	08/19/2022 12:59	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 12:59	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 12:59	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 12:59	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 12:59	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 12:59	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 12:59	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 12:59	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 12:59	WG1913512
Dichlorodifluoromethane	U	<u>C3</u>	0.0327	0.100	1	08/19/2022 12:59	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 12:59	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 12:59	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 12:59	WG1913512
cis-1,2-Dichloroethene	5.62		0.0276	0.100	1	08/19/2022 12:59	WG1913512
trans-1,2-Dichloroethene	0.0690	<u>J</u>	0.0572	0.200	1	08/19/2022 12:59	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 12:59	WG1913512



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	08/19/2022 12:59	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 12:59	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 12:59	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 12:59	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 12:59	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 12:59	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 12:59	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 12:59	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 12:59	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 12:59	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 12:59	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 12:59	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 12:59	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 12:59	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 12:59	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 12:59	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 12:59	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 12:59	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 12:59	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 12:59	WG1913512
Tetrachloroethene	59.3		0.0280	0.100	1	08/19/2022 12:59	WG1913512
Toluene	0.0520	U	0.0500	0.200	1	08/19/2022 12:59	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 12:59	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 12:59	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 12:59	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 12:59	WG1913512
Trichloroethene	10.2		0.0160	0.0400	1	08/19/2022 12:59	WG1913512
Trichlorofluoromethane	U	C3	0.0200	0.100	1	08/19/2022 12:59	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 12:59	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 12:59	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 12:59	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 12:59	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 12:59	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 12:59	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 12:59	WG1913512
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2022 12:59	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 12:59	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 12:59	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 12:59	WG1913512
(S) Toluene-d8	112			75.0-131		08/19/2022 12:59	WG1913512
(S) 4-Bromofluorobenzene	101			67.0-138		08/19/2022 12:59	WG1913512
(S) 1,2-Dichloroethane-d4	92.6			70.0-130		08/19/2022 12:59	WG1913512

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	40900		594	5000	1	08/11/2022 13:11	WG1909317

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)	2230	<u>B</u>	102	1000	1	08/18/2022 08:17	WG1911943

Metals (ICPMS) by Method 6020B

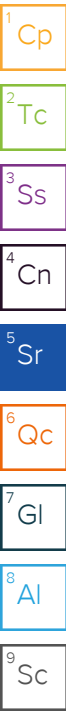
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	42.7	<u>J</u>	28.1	100	1	08/16/2022 19:05	WG1910286
Manganese	25.3		0.704	5.00	1	08/16/2022 19:05	WG1910286

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	08/12/2022 13:10	WG1909777
Ethane	U		0.296	1.29	1	08/12/2022 13:10	WG1909777
Ethene	U		0.422	1.27	1	08/12/2022 13:10	WG1909777

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	8.51		0.548	1.00	1	08/19/2022 13:18	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 13:18	WG1913512
Benzene	0.0260	<u>J</u>	0.0160	0.0400	1	08/19/2022 13:18	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 13:18	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 13:18	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 13:18	WG1913512
Bromomethane	U	<u>C3</u>	0.148	0.500	1	08/19/2022 13:18	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 13:18	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 13:18	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 13:18	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 13:18	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 13:18	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 13:18	WG1913512
Chloroethane	U		0.0432	0.200	1	08/19/2022 13:18	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 13:18	WG1913512
Chloromethane	U	<u>C3</u>	0.0556	0.500	1	08/19/2022 13:18	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 13:18	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 13:18	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 13:18	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 13:18	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 13:18	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 13:18	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 13:18	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 13:18	WG1913512
Dichlorodifluoromethane	U	<u>C3</u>	0.0327	0.100	1	08/19/2022 13:18	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 13:18	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 13:18	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 13:18	WG1913512
cis-1,2-Dichloroethene	5.94		0.0276	0.100	1	08/19/2022 13:18	WG1913512
trans-1,2-Dichloroethene	0.0930	<u>J</u>	0.0572	0.200	1	08/19/2022 13:18	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 13:18	WG1913512



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	08/19/2022 13:18	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 13:18	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 13:18	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 13:18	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 13:18	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 13:18	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 13:18	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 13:18	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 13:18	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 13:18	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 13:18	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 13:18	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 13:18	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 13:18	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 13:18	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 13:18	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 13:18	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 13:18	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 13:18	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 13:18	WG1913512
Tetrachloroethene	62.4		0.0280	0.100	1	08/19/2022 13:18	WG1913512
Toluene	U		0.0500	0.200	1	08/19/2022 13:18	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 13:18	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 13:18	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 13:18	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 13:18	WG1913512
Trichloroethene	10.9		0.0160	0.0400	1	08/19/2022 13:18	WG1913512
Trichlorofluoromethane	U	C3	0.0200	0.100	1	08/19/2022 13:18	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 13:18	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 13:18	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 13:18	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 13:18	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 13:18	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 13:18	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 13:18	WG1913512
Tetrahydrofuran	0.281	U	0.0900	0.500	1	08/19/2022 13:18	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 13:18	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 13:18	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 13:18	WG1913512
(S) Toluene-d8	107			75.0-131		08/19/2022 13:18	WG1913512
(S) 4-Bromofluorobenzene	96.9			67.0-138		08/19/2022 13:18	WG1913512
(S) 1,2-Dichloroethane-d4	92.5			70.0-130		08/19/2022 13:18	WG1913512

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	Batch
Sulfate	29100		594	5000	1	08/11/2022 13:41	WG1909317

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	1860	<u>B</u>	102	1000	1	08/18/2022 08:33	WG1911943

Metals (ICPMS) by Method 6020B

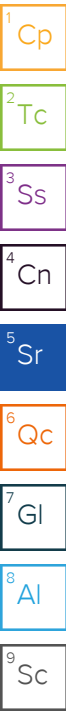
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	756		28.1	100	1	08/16/2022 19:08	WG1910286
Manganese	941		0.704	5.00	1	08/16/2022 19:08	WG1910286

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	229		0.287	0.678	1	08/12/2022 13:12	WG1909777
Ethane	23.1		0.296	1.29	1	08/12/2022 13:12	WG1909777
Ethene	24.5		0.422	1.27	1	08/12/2022 13:12	WG1909777

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	3.75		0.548	1.00	1	08/19/2022 13:36	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 13:36	WG1913512
Benzene	0.0360	<u>J</u>	0.0160	0.0400	1	08/19/2022 13:36	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 13:36	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 13:36	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 13:36	WG1913512
Bromomethane	U	<u>C3</u>	0.148	0.500	1	08/19/2022 13:36	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 13:36	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 13:36	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 13:36	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 13:36	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 13:36	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 13:36	WG1913512
Chloroethane	U		0.0432	0.200	1	08/19/2022 13:36	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 13:36	WG1913512
Chloromethane	U	<u>C3</u>	0.0556	0.500	1	08/19/2022 13:36	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 13:36	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 13:36	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 13:36	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 13:36	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 13:36	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 13:36	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 13:36	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 13:36	WG1913512
Dichlorodifluoromethane	U	<u>C3</u>	0.0327	0.100	1	08/19/2022 13:36	WG1913512
1,1-Dichloroethane	0.0550	<u>J</u>	0.0230	0.100	1	08/19/2022 13:36	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 13:36	WG1913512
1,1-Dichloroethene	2.14		0.0200	0.100	1	08/19/2022 13:36	WG1913512
cis-1,2-Dichloroethene	232		0.276	1.00	10	08/23/2022 14:34	WG1913923
trans-1,2-Dichloroethene	0.273		0.0572	0.200	1	08/19/2022 13:36	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 13:36	WG1913512



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	08/19/2022 13:36	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 13:36	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 13:36	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 13:36	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 13:36	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 13:36	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 13:36	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 13:36	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 13:36	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 13:36	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 13:36	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 13:36	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 13:36	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 13:36	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 13:36	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 13:36	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 13:36	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 13:36	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 13:36	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 13:36	WG1913512
Tetrachloroethene	0.228		0.0280	0.100	1	08/19/2022 13:36	WG1913512
Toluene	0.0880	U	0.0500	0.200	1	08/19/2022 13:36	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 13:36	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 13:36	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 13:36	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 13:36	WG1913512
Trichloroethene	2.24		0.0160	0.0400	1	08/19/2022 13:36	WG1913512
Trichlorofluoromethane	U	C3	0.0200	0.100	1	08/19/2022 13:36	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 13:36	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 13:36	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 13:36	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 13:36	WG1913512
Vinyl chloride	67.8		0.0273	0.100	1	08/19/2022 13:36	WG1913512
Xylenes, Total	0.247	U	0.191	0.260	1	08/19/2022 13:36	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 13:36	WG1913512
Tetrahydrofuran	0.584		0.0900	0.500	1	08/19/2022 13:36	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 13:36	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 13:36	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 13:36	WG1913512
(S) Toluene-d8	105			75.0-131		08/19/2022 13:36	WG1913512
(S) Toluene-d8	104			75.0-131		08/23/2022 14:34	WG1913923
(S) 4-Bromofluorobenzene	95.4			67.0-138		08/19/2022 13:36	WG1913512
(S) 4-Bromofluorobenzene	96.1			67.0-138		08/23/2022 14:34	WG1913923
(S) 1,2-Dichloroethane-d4	89.1			70.0-130		08/19/2022 13:36	WG1913512
(S) 1,2-Dichloroethane-d4	96.7			70.0-130		08/23/2022 14:34	WG1913923

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	4000	J	594	5000	1	08/11/2022 19:12	WG1909317

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)	5800		102	1000	1	08/18/2022 20:43	WG1911945

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9780		28.1	100	1	08/16/2022 19:12	WG1910286
Manganese	1640		0.704	5.00	1	08/16/2022 19:12	WG1910286

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	14900		2.87	6.78	10	08/16/2022 11:16	WG1911204
Ethane	196		0.296	1.29	1	08/12/2022 13:18	WG1909777
Ethene	280		0.422	1.27	1	08/12/2022 13:18	WG1909777

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	2.65		0.548	1.00	1	08/19/2022 13:55	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 13:55	WG1913512
Benzene	0.0390	J	0.0160	0.0400	1	08/19/2022 13:55	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 13:55	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 13:55	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 13:55	WG1913512
Bromomethane	U	C3	0.148	0.500	1	08/19/2022 13:55	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 13:55	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 13:55	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 13:55	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 13:55	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 13:55	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 13:55	WG1913512
Chloroethane	U		0.0432	0.200	1	08/19/2022 13:55	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 13:55	WG1913512
Chloromethane	U	C3	0.0556	0.500	1	08/19/2022 13:55	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 13:55	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 13:55	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 13:55	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 13:55	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 13:55	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 13:55	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 13:55	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 13:55	WG1913512
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	08/19/2022 13:55	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 13:55	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 13:55	WG1913512
1,1-Dichloroethene	0.234		0.0200	0.100	1	08/19/2022 13:55	WG1913512
cis-1,2-Dichloroethene	93.7		0.0276	0.100	1	08/19/2022 13:55	WG1913512
trans-1,2-Dichloroethene	1.89		0.0572	0.200	1	08/19/2022 13:55	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 13:55	WG1913512

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
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 13:55	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 13:55	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 13:55	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 13:55	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 13:55	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 13:55	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 13:55	WG1913512
Hexachloro-1,3-butadiene	U	<u>C3</u>	0.508	1.00	1	08/19/2022 13:55	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 13:55	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 13:55	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 13:55	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 13:55	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 13:55	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 13:55	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 13:55	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 13:55	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 13:55	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 13:55	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 13:55	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 13:55	WG1913512
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 13:55	WG1913512
Toluene	U		0.0500	0.200	1	08/19/2022 13:55	WG1913512
1,2,3-Trichlorobenzene	U	<u>C4</u>	0.0250	0.500	1	08/19/2022 13:55	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 13:55	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 13:55	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 13:55	WG1913512
Trichloroethene	0.340		0.0160	0.0400	1	08/19/2022 13:55	WG1913512
Trichlorofluoromethane	U	<u>C3</u>	0.0200	0.100	1	08/19/2022 13:55	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 13:55	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 13:55	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 13:55	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 13:55	WG1913512
Vinyl chloride	231		0.273	1.00	10	08/23/2022 14:54	WG1913923
Xylenes, Total	U		0.191	0.260	1	08/19/2022 13:55	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 13:55	WG1913512
Tetrahydrofuran	7.21		0.0900	0.500	1	08/19/2022 13:55	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 13:55	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 13:55	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 13:55	WG1913512
(S) Toluene-d8	109			75.0-131		08/19/2022 13:55	WG1913512
(S) Toluene-d8	104			75.0-131		08/23/2022 14:54	WG1913923
(S) 4-Bromofluorobenzene	101			67.0-138		08/19/2022 13:55	WG1913512
(S) 4-Bromofluorobenzene	96.4			67.0-138		08/23/2022 14:54	WG1913923
(S) 1,2-Dichloroethane-d4	92.2			70.0-130		08/19/2022 13:55	WG1913512
(S) 1,2-Dichloroethane-d4	98.4			70.0-130		08/23/2022 14:54	WG1913923

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	Batch
Sulfate	173000		594	5000	1	08/11/2022 19:27	WG1909317

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	2660		102	1000	1	08/18/2022 20:59	WG1911945

Metals (ICPMS) by Method 6020B

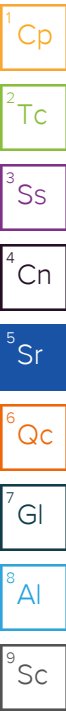
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	18500		28.1	100	1	08/16/2022 19:15	WG1910286
Manganese	702		0.704	5.00	1	08/16/2022 19:15	WG1910286

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	1400		0.287	0.678	1	08/12/2022 13:21	WG1909777
Ethane	2.12		0.296	1.29	1	08/12/2022 13:21	WG1909777
Ethene	4.51		0.422	1.27	1	08/12/2022 13:21	WG1909777

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	7.74		0.548	1.00	1	08/19/2022 14:14	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 14:14	WG1913512
Benzene	U		0.0160	0.0400	1	08/19/2022 14:14	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 14:14	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 14:14	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 14:14	WG1913512
Bromomethane	U	C3	0.148	0.500	1	08/19/2022 14:14	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 14:14	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 14:14	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 14:14	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 14:14	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 14:14	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 14:14	WG1913512
Chloroethane	U		0.0432	0.200	1	08/19/2022 14:14	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 14:14	WG1913512
Chloromethane	U	C3	0.0556	0.500	1	08/19/2022 14:14	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 14:14	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 14:14	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 14:14	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 14:14	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 14:14	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 14:14	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 14:14	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 14:14	WG1913512
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	08/19/2022 14:14	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 14:14	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 14:14	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 14:14	WG1913512
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/23/2022 13:53	WG1913923
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 14:14	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 14:14	WG1913512



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	08/19/2022 14:14	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 14:14	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 14:14	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 14:14	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 14:14	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 14:14	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 14:14	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 14:14	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 14:14	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 14:14	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 14:14	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 14:14	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 14:14	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 14:14	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 14:14	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 14:14	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 14:14	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 14:14	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 14:14	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 14:14	WG1913512
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 14:14	WG1913512
Toluene	U		0.0500	0.200	1	08/19/2022 14:14	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 14:14	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 14:14	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 14:14	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 14:14	WG1913512
Trichloroethene	U		0.0160	0.0400	1	08/19/2022 14:14	WG1913512
Trichlorofluoromethane	U	C3	0.0200	0.100	1	08/19/2022 14:14	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 14:14	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 14:14	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 14:14	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 14:14	WG1913512
Vinyl chloride	0.841		0.0273	0.100	1	08/23/2022 13:53	WG1913923
Xylenes, Total	U		0.191	0.260	1	08/19/2022 14:14	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 14:14	WG1913512
Tetrahydrofuran	0.623		0.0900	0.500	1	08/19/2022 14:14	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 14:14	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 14:14	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 14:14	WG1913512
(S) Toluene-d8	106			75.0-131		08/19/2022 14:14	WG1913512
(S) Toluene-d8	105			75.0-131		08/23/2022 13:53	WG1913923
(S) 4-Bromofluorobenzene	97.1			67.0-138		08/19/2022 14:14	WG1913512
(S) 4-Bromofluorobenzene	99.7			67.0-138		08/23/2022 13:53	WG1913923
(S) 1,2-Dichloroethane-d4	92.0			70.0-130		08/19/2022 14:14	WG1913512
(S) 1,2-Dichloroethane-d4	96.7			70.0-130		08/23/2022 13:53	WG1913923

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	27100		594	5000	1	08/11/2022 20:11	WG1909317

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)	2250		102	1000	1	08/18/2022 21:54	WG1911945

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1680		28.1	100	1	08/16/2022 19:18	WG1910286
Manganese	320		0.704	5.00	1	08/16/2022 19:18	WG1910286

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2510		0.287	0.678	1	08/12/2022 13:26	WG1909777
Ethane	5.28		0.296	1.29	1	08/12/2022 13:26	WG1909777
Ethene	2.13		0.422	1.27	1	08/12/2022 13:26	WG1909777

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	2.33		0.548	1.00	1	08/19/2022 14:32	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 14:32	WG1913512
Benzene	U		0.0160	0.0400	1	08/19/2022 14:32	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 14:32	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 14:32	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 14:32	WG1913512
Bromomethane	U	C3	0.148	0.500	1	08/19/2022 14:32	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 14:32	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 14:32	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 14:32	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 14:32	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 14:32	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 14:32	WG1913512
Chloroethane	U		0.0432	0.200	1	08/19/2022 14:32	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 14:32	WG1913512
Chloromethane	U	C3	0.0556	0.500	1	08/19/2022 14:32	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 14:32	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 14:32	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 14:32	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 14:32	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 14:32	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 14:32	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 14:32	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 14:32	WG1913512
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	08/19/2022 14:32	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 14:32	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 14:32	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 14:32	WG1913512
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/23/2022 14:13	WG1913923
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 14:32	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 14:32	WG1913512

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
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 14:32	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 14:32	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 14:32	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 14:32	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 14:32	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 14:32	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 14:32	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 14:32	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 14:32	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 14:32	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 14:32	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 14:32	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 14:32	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 14:32	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 14:32	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 14:32	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 14:32	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 14:32	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 14:32	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 14:32	WG1913512
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 14:32	WG1913512
Toluene	U		0.0500	0.200	1	08/19/2022 14:32	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 14:32	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 14:32	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 14:32	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 14:32	WG1913512
Trichloroethene	U		0.0160	0.0400	1	08/19/2022 14:32	WG1913512
Trichlorofluoromethane	U	C3	0.0200	0.100	1	08/19/2022 14:32	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 14:32	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 14:32	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 14:32	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 14:32	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 14:32	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 14:32	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 14:32	WG1913512
Tetrahydrofuran	0.663		0.0900	0.500	1	08/19/2022 14:32	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 14:32	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 14:32	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 14:32	WG1913512
(S) Toluene-d8	108			75.0-131		08/19/2022 14:32	WG1913512
(S) Toluene-d8	101			75.0-131		08/23/2022 14:13	WG1913923
(S) 4-Bromofluorobenzene	97.9			67.0-138		08/19/2022 14:32	WG1913512
(S) 4-Bromofluorobenzene	98.7			67.0-138		08/23/2022 14:13	WG1913923
(S) 1,2-Dichloroethane-d4	95.7			70.0-130		08/19/2022 14:32	WG1913512
(S) 1,2-Dichloroethane-d4	102			70.0-130		08/23/2022 14:13	WG1913923

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3826347-1 08/11/22 10:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1523737-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1523737-03 08/11/22 11:33 • (DUP) R3826347-3 08/11/22 12:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	18600	18500	1	0.323		15

L1524083-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1524083-04 08/11/22 15:43 • (DUP) R3826347-6 08/11/22 16:01

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3826347-2 08/11/22 10:22

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	40100	100	80.0-120	

L1523737-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1523737-03 08/11/22 11:33 • (MS) R3826347-4 08/11/22 12:27 • (MSD) R3826347-5 08/11/22 12:45

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	18600	70600	70500	104	104	1	80.0-120			0.126	15

L1524083-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1524083-04 08/11/22 15:43 • (MS) R3826347-7 08/11/22 16:19

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	U	50100	100	1	80.0-120	

Method Blank (MB)

(MB) R3825550-1 08/11/22 10:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1524067-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1524067-19 08/11/22 13:41 • (DUP) R3825550-3 08/11/22 13:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	29100	29500	1	1.27		15

L1524067-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1524067-14 08/11/22 21:11 • (DUP) R3825550-6 08/11/22 21:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	1490	1320	1	12.3	↓	15

Laboratory Control Sample (LCS)

(LCS) R3825550-2 08/11/22 10:19

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	39900	99.7	80.0-120	

L1524067-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1524067-19 08/11/22 13:41 • (MS) R3825550-4 08/11/22 14:10 • (MSD) R3825550-5 08/11/22 14:25

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	29100	80000	80600	102	103	1	80.0-120			0.742	15

L1524067-14 Original Sample (OS) • Matrix Spike (MS)

(OS) L1524067-14 08/11/22 21:11 • (MS) R3825550-7 08/11/22 21:41

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	1490	50100	97.2	1	80.0-120	

Method Blank (MB)

(MB) R3827834-2 08/17/22 15:24

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	215	↓	102	1000

1 Cp

2 Tc

3 Ss

L1523605-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1523605-01 08/17/22 16:58 • (DUP) R3827834-3 08/17/22 17:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	2460	2480	1	0.810		20

4 Cn

5 Sr

L1523994-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1523994-01 08/17/22 20:52 • (DUP) R3827834-6 08/17/22 21:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	1310	1340	1	2.57		20

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R3827834-1 08/17/22 15:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	74800	99.8	85.0-115	

9 Sc

L1523678-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1523678-13 08/17/22 17:30 • (MS) R3827834-4 08/17/22 17:49 • (MSD) R3827834-5 08/17/22 18:06

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	2990	68500	53200	131	100	1	80.0-120	J5	J3	25.1	20

L1524148-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1524148-02 08/17/22 22:13 • (MS) R3827834-7 08/17/22 23:13 • (MSD) R3827834-8 08/17/22 23:35

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	3320	53400	53800	100	101	1	80.0-120			0.709	20

Method Blank (MB)

(MB) R3827835-2 08/18/22 03:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	269	↓	102	1000

¹Cp

²Tc

³Ss

L1524067-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1524067-09 08/18/22 04:01 • (DUP) R3827835-3 08/18/22 04:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	9420	9500	1	0.793		20

⁴Cn

⁵Sr

L1524067-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1524067-19 08/18/22 08:33 • (DUP) R3827835-6 08/18/22 08:49

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	1860	1880	1	1.23		20

⁶Qc

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3827835-1 08/18/22 03:29

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	75000	75100	100	85.0-115	

⁹Sc

L1524067-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1524067-11 08/18/22 04:51 • (MS) R3827835-4 08/18/22 05:14 • (MSD) R3827835-5 08/18/22 05:38

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	50000	3640	53300	53800	99.4	100	1	80.0-120			0.803	20

L1525219-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1525219-05 08/18/22 11:12 • (MS) R3827835-7 08/18/22 11:32 • (MSD) R3827835-8 08/18/22 11:51

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	50000	10900	61100	63000	101	104	1	80.0-120			2.96	20

Method Blank (MB)

(MB) R3828462-2 08/18/22 18:06

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1524067-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1524067-03 08/18/22 18:25 • (DUP) R3828462-3 08/18/22 18:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	16900	17100	1	1.17		20

L1525008-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1525008-01 08/18/22 23:27 • (DUP) R3828462-6 08/18/22 23:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	1670	1690	1	1.07		20

Laboratory Control Sample (LCS)

(LCS) R3828462-1 08/18/22 16:57

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	75200	100	85.0-115	

L1524067-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1524067-04 08/18/22 19:02 • (MS) R3828462-4 08/18/22 19:27 • (MSD) R3828462-5 08/18/22 19:53

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	6030	56200	56600	100	101	1	80.0-120			0.709	20

L1525008-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1525008-02 08/18/22 23:59 • (MS) R3828462-7 08/19/22 00:24 • (MSD) R3828462-8 08/19/22 01:25

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	1170	51400	51300	100	100	1	80.0-120			0.175	20

Method Blank (MB)

(MB) R3827088-1 08/16/22 17:47

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

Laboratory Control Sample (LCS)

(LCS) R3827088-2 08/16/22 17:51

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	5130	103	80.0-120	
Manganese	50.0	49.1	98.2	80.0-120	

L1524067-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1524067-01 08/16/22 17:54 • (MS) R3827088-4 08/16/22 18:00 • (MSD) R3827088-5 08/16/22 18:04

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	13100	18200	17500	102	89.9	1	75.0-125			3.47	20
Manganese	50.0	1560	1580	1580	47.2	50.3	1	75.0-125	V	V	0.0981	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3826435-2 08/15/22 05:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	45.1	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	95.4			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3826435-1 08/15/22 04:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5150	93.6	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			93.8	78.0-120	

L1524141-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1524141-02 08/15/22 13:03 • (MS) R3826435-3 08/15/22 13:25 • (MSD) R3826435-4 08/15/22 13:47

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 %
Gasoline Range Organics-NWTPH	5500	42.2	3320	4410	59.6	79.4	1	10.0-155		J3	28.2	21
(S) a,a,a-Trifluorotoluene(FID)					94.0	93.9		78.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3825596-2 08/12/22 10:45

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

L1524067-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1524067-01 08/12/22 11:34 • (DUP) R3825596-3 08/12/22 11:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	3590	3580	1	0.279		20
Ethane	35.0	35.6	1	1.70		20
Ethene	6.27	6.48	1	3.29		20

L1524067-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1524067-11 08/12/22 12:09 • (DUP) R3825596-4 08/12/22 12:24

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	123	114	1	7.59		20
Ethane	2.69	2.68	1	0.372		20
Ethene	1.95	1.65	1	16.7		20

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

(LCS) R3825596-1 08/12/22 10:29 • (LCSD) R3825596-5 08/12/22 12:29

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	65.2	67.8	96.2	100	85.0-115			3.91	20
Ethane	129	115	120	89.1	93.0	85.0-115			4.26	20
Ethene	127	116	121	91.3	95.3	85.0-115			4.22	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3825654-2 08/12/22 12:47

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

L1524083-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1524083-02 08/12/22 13:32 • (DUP) R3825654-3 08/12/22 13:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	800	802	1	0.250		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) R3825654-1 08/12/22 12:41 • (LCSD) R3825654-4 08/12/22 14:05

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	66.4	69.5	97.9	103	85.0-115			4.56	20
Ethane	129	117	121	90.7	93.8	85.0-115			3.36	20
Ethene	127	118	121	92.9	95.3	85.0-115			2.51	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3826834-2 08/16/22 11:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

1 Cp

2 Tc

3 Ss

L1524453-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1524453-13 08/16/22 11:19 • (DUP) R3826834-3 08/16/22 13:51

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	U	U	1	0.000		20

4 Cn

5 Sr

6 Qc

L1525025-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1525025-01 08/16/22 14:02 • (DUP) R3826834-4 08/16/22 14:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	U	U	1	0.000		20

7 Gl

8 Al

9 Sc

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

(LCS) R3826834-1 08/16/22 11:07 • (LCSD) R3826834-5 08/16/22 14:29

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Methane	67.8	72.8	72.3	107	107	85.0-115			0.689	20

Method Blank (MB)

(MB) R3827444-2 08/16/22 11:24

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3827444-2 08/16/22 11:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	109			75.0-131
(S) 4-Bromofluorobenzene	72.2			67.0-138
(S) 1,2-Dichloroethane-d4	114			70.0-130

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3827444-1 08/16/22 10:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetone	25.0	37.6	150	10.0-160	
Acrylonitrile	25.0	28.7	115	45.0-153	
Benzene	5.00	5.26	105	70.0-123	
Bromobenzene	5.00	6.36	127	73.0-121	J4
Bromodichloromethane	5.00	5.78	116	73.0-121	
Bromoform	5.00	5.14	103	64.0-132	
Bromomethane	5.00	5.07	101	56.0-147	
n-Butylbenzene	5.00	4.50	90.0	68.0-135	
sec-Butylbenzene	5.00	5.91	118	74.0-130	
tert-Butylbenzene	5.00	5.77	115	75.0-127	
Carbon tetrachloride	5.00	6.34	127	66.0-128	
Chlorobenzene	5.00	5.48	110	76.0-128	
Chlorodibromomethane	5.00	5.39	108	74.0-127	
Chloroethane	5.00	5.61	112	61.0-134	
Chloroform	5.00	5.69	114	72.0-123	
Chloromethane	5.00	4.71	94.2	51.0-138	
2-Chlorotoluene	5.00	5.46	109	75.0-124	
4-Chlorotoluene	5.00	5.65	113	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	5.12	102	59.0-130	
1,2-Dibromoethane	5.00	5.18	104	74.0-128	
Dibromomethane	5.00	5.30	106	75.0-122	
1,2-Dichlorobenzene	5.00	5.23	105	76.0-124	
1,3-Dichlorobenzene	5.00	5.72	114	76.0-125	
1,4-Dichlorobenzene	5.00	5.47	109	77.0-121	
Dichlorodifluoromethane	5.00	4.33	86.6	43.0-156	
1,1-Dichloroethane	5.00	5.41	108	70.0-127	
1,2-Dichloroethane	5.00	6.14	123	65.0-131	
1,1-Dichloroethene	5.00	5.19	104	65.0-131	
cis-1,2-Dichloroethene	5.00	5.59	112	73.0-125	
trans-1,2-Dichloroethene	5.00	4.83	96.6	71.0-125	
1,2-Dichloropropane	5.00	5.71	114	74.0-125	
1,1-Dichloropropene	5.00	5.56	111	73.0-125	
1,3-Dichloropropane	5.00	5.83	117	80.0-125	
cis-1,3-Dichloropropene	5.00	4.99	99.8	76.0-127	
trans-1,3-Dichloropropene	5.00	5.71	114	73.0-127	
2,2-Dichloropropane	5.00	5.93	119	59.0-135	
Di-isopropyl ether	5.00	5.70	114	60.0-136	
Ethylbenzene	5.00	5.02	100	74.0-126	
Hexachloro-1,3-butadiene	5.00	6.98	140	57.0-150	
Isopropylbenzene	5.00	4.75	95.0	72.0-127	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3827444-1 08/16/22 10:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
p-Isopropyltoluene	5.00	5.83	117	72.0-133	
2-Butanone (MEK)	25.0	29.3	117	30.0-160	
Methylene Chloride	5.00	5.85	117	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	34.2	137	56.0-143	
Methyl tert-butyl ether	5.00	5.04	101	66.0-132	
Naphthalene	5.00	4.39	87.8	59.0-130	
n-Propylbenzene	5.00	5.87	117	74.0-126	
Styrene	5.00	4.18	83.6	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	5.77	115	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	6.33	127	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	6.05	121	61.0-139	
Tetrachloroethene	5.00	6.36	127	70.0-136	
Toluene	5.00	5.46	109	75.0-121	
1,2,3-Trichlorobenzene	5.00	5.59	112	59.0-139	
1,2,4-Trichlorobenzene	5.00	5.48	110	62.0-137	
1,1,1-Trichloroethane	5.00	6.08	122	69.0-126	
1,1,2-Trichloroethane	5.00	5.76	115	78.0-123	
Trichloroethene	5.00	5.72	114	76.0-126	
Trichlorofluoromethane	5.00	6.85	137	61.0-142	
1,2,3-Trichloropropane	5.00	7.02	140	67.0-129	J4
1,2,4-Trimethylbenzene	5.00	5.06	101	70.0-126	
1,2,3-Trimethylbenzene	5.00	5.28	106	74.0-124	
1,3,5-Trimethylbenzene	5.00	5.65	113	73.0-127	
Vinyl chloride	5.00	4.91	98.2	63.0-134	
Xylenes, Total	15.0	14.2	94.7	72.0-127	
Ethyl ether	5.00	5.84	117	64.0-137	
Tetrahydrofuran	5.00	6.58	132	37.0-146	
Iodomethane	25.0	26.9	108	74.0-134	
Allyl chloride	25.0	25.5	102	70.0-131	
trans-1,4-Dichloro-2-butene	5.00	6.66	133	45.0-143	
(S) Toluene-d8			105	75.0-131	
(S) 4-Bromofluorobenzene			75.7	67.0-138	
(S) 1,2-Dichloroethane-d4			111	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3828120-3 08/18/22 11:53

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3828120-3 08/18/22 11:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	0.416	U	0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	109			75.0-131
(S) 4-Bromofluorobenzene	102			67.0-138
(S) 1,2-Dichloroethane-d4	77.8			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3828120-1 08/18/22 09:42 • (LCSD) R3828120-2 08/18/22 10:01

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 %
Acetone	25.0	23.4	21.1	93.6	84.4	10.0-160			10.3	31
Acrylonitrile	25.0	20.9	20.9	83.6	83.6	45.0-153			0.000	22
Benzene	5.00	5.10	4.94	102	98.8	70.0-123			3.19	20
Bromobenzene	5.00	5.24	5.10	105	102	73.0-121			2.71	20
Bromodichloromethane	5.00	4.54	4.28	90.8	85.6	73.0-121			5.90	20
Bromoform	5.00	4.73	4.52	94.6	90.4	64.0-132			4.54	20
Bromomethane	5.00	4.24	3.74	84.8	74.8	56.0-147			12.5	20
n-Butylbenzene	5.00	5.45	5.44	109	109	68.0-135			0.184	20
sec-Butylbenzene	5.00	6.12	6.11	122	122	74.0-130			0.164	20
tert-Butylbenzene	5.00	5.66	5.52	113	110	75.0-127			2.50	20
Carbon tetrachloride	5.00	4.64	4.35	92.8	87.0	66.0-128			6.45	20
Chlorobenzene	5.00	5.47	5.34	109	107	76.0-128			2.41	20
Chlorodibromomethane	5.00	4.69	4.66	93.8	93.2	74.0-127			0.642	20
Chloroethane	5.00	4.84	4.80	96.8	96.0	61.0-134			0.830	20
Chloroform	5.00	4.37	4.27	87.4	85.4	72.0-123			2.31	20
Chloromethane	5.00	3.51	4.74	70.2	94.8	51.0-138		J3	29.8	20
2-Chlorotoluene	5.00	6.10	5.56	122	111	75.0-124			9.26	20
4-Chlorotoluene	5.00	5.22	5.21	104	104	75.0-124			0.192	20
1,2-Dibromo-3-Chloropropane	5.00	4.33	4.32	86.6	86.4	59.0-130			0.231	20
1,2-Dibromoethane	5.00	5.58	5.12	112	102	74.0-128			8.60	20
Dibromomethane	5.00	4.90	4.64	98.0	92.8	75.0-122			5.45	20
1,2-Dichlorobenzene	5.00	5.20	5.09	104	102	76.0-124			2.14	20
1,3-Dichlorobenzene	5.00	5.26	5.57	105	111	76.0-125			5.72	20
1,4-Dichlorobenzene	5.00	5.04	5.31	101	106	77.0-121			5.22	20
Dichlorodifluoromethane	5.00	4.75	4.37	95.0	87.4	43.0-156			8.33	20
1,1-Dichloroethane	5.00	4.73	4.60	94.6	92.0	70.0-127			2.79	20
1,2-Dichloroethane	5.00	3.80	3.62	76.0	72.4	65.0-131			4.85	20
1,1-Dichloroethene	5.00	5.23	5.03	105	101	65.0-131			3.90	20
cis-1,2-Dichloroethene	5.00	4.91	4.69	98.2	93.8	73.0-125			4.58	20
trans-1,2-Dichloroethene	5.00	5.27	4.99	105	99.8	71.0-125			5.46	20
1,2-Dichloropropane	5.00	5.28	5.26	106	105	74.0-125			0.380	20
1,1-Dichloropropene	5.00	5.35	5.32	107	106	73.0-125			0.562	20
1,3-Dichloropropane	5.00	5.73	5.44	115	109	80.0-125			5.19	20
cis-1,3-Dichloropropene	5.00	5.11	4.97	102	99.4	76.0-127			2.78	20
trans-1,3-Dichloropropene	5.00	5.25	4.94	105	98.8	73.0-127			6.08	20
2,2-Dichloropropane	5.00	4.81	4.48	96.2	89.6	59.0-135			7.10	20
Di-isopropyl ether	5.00	4.62	4.42	92.4	88.4	60.0-136			4.42	20
Ethylbenzene	5.00	5.72	5.50	114	110	74.0-126			3.92	20
Hexachloro-1,3-butadiene	5.00	4.75	4.84	95.0	96.8	57.0-150			1.88	20
Isopropylbenzene	5.00	5.40	5.11	108	102	72.0-127			5.52	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3828120-1 08/18/22 09:42 • (LCSD) R3828120-2 08/18/22 10:01

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 %
p-Isopropyltoluene	5.00	5.74	5.61	115	112	72.0-133			2.29	20
2-Butanone (MEK)	25.0	23.9	20.1	95.6	80.4	30.0-160			17.3	24
Methylene Chloride	5.00	5.65	5.31	113	106	68.0-123			6.20	20
4-Methyl-2-pentanone (MIBK)	25.0	25.3	23.9	101	95.6	56.0-143			5.69	20
Methyl tert-butyl ether	5.00	4.02	3.91	80.4	78.2	66.0-132			2.77	20
Naphthalene	5.00	4.58	4.85	91.6	97.0	59.0-130			5.73	20
n-Propylbenzene	5.00	5.85	5.91	117	118	74.0-126			1.02	20
Styrene	5.00	5.37	5.32	107	106	72.0-127			0.935	20
1,1,1,2-Tetrachloroethane	5.00	4.82	4.57	96.4	91.4	74.0-129			5.32	20
1,1,2,2-Tetrachloroethane	5.00	5.70	5.45	114	109	68.0-128			4.48	20
1,1,2-Trichlorotrifluoroethane	5.00	5.53	5.54	111	111	61.0-139			0.181	20
Tetrachloroethene	5.00	5.77	5.60	115	112	70.0-136			2.99	20
Toluene	5.00	5.62	5.38	112	108	75.0-121			4.36	20
1,2,3-Trichlorobenzene	5.00	4.65	4.30	93.0	86.0	59.0-139			7.82	20
1,2,4-Trichlorobenzene	5.00	4.62	4.84	92.4	96.8	62.0-137			4.65	20
1,1,1-Trichloroethane	5.00	4.32	3.97	86.4	79.4	69.0-126			8.44	20
1,1,2-Trichloroethane	5.00	5.60	5.26	112	105	78.0-123			6.26	20
Trichloroethene	5.00	5.34	5.03	107	101	76.0-126			5.98	20
Trichlorofluoromethane	5.00	4.51	4.48	90.2	89.6	61.0-142			0.667	20
1,2,3-Trichloropropane	5.00	4.94	4.73	98.8	94.6	67.0-129			4.34	20
1,2,4-Trimethylbenzene	5.00	4.97	4.92	99.4	98.4	70.0-126			1.01	20
1,2,3-Trimethylbenzene	5.00	4.93	4.99	98.6	99.8	74.0-124			1.21	20
1,3,5-Trimethylbenzene	5.00	5.29	5.24	106	105	73.0-127			0.950	20
Vinyl chloride	5.00	5.44	5.24	109	105	63.0-134			3.75	20
Xylenes, Total	15.0	16.4	16.1	109	107	72.0-127			1.85	20
Ethyl ether	5.00	5.40	4.78	108	95.6	64.0-137			12.2	20
Tetrahydrofuran	5.00	4.84	4.61	96.8	92.2	37.0-146			4.87	24
Iodomethane	25.0	21.4	20.9	85.6	83.6	74.0-134			2.36	20
Allyl chloride	25.0	28.3	27.1	113	108	70.0-131			4.33	20
trans-1,4-Dichloro-2-butene	5.00	5.09	5.11	102	102	45.0-143			0.392	20
(S) Toluene-d8				112	110	75.0-131				
(S) 4-Bromofluorobenzene				102	99.1	67.0-138				
(S) 1,2-Dichloroethane-d4				80.1	75.9	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3828482-2 08/19/22 11:02

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3828482-2 08/19/22 11:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	106			75.0-131
(S) 4-Bromofluorobenzene	98.9			67.0-138
(S) 1,2-Dichloroethane-d4	90.8			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3828482-1 08/19/22 10:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetone	25.0	28.7	115	10.0-160	
Acrylonitrile	25.0	27.2	109	45.0-153	
Benzene	5.00	4.96	99.2	70.0-123	
Bromobenzene	5.00	5.01	100	73.0-121	
Bromodichloromethane	5.00	4.65	93.0	73.0-121	
Bromoform	5.00	4.54	90.8	64.0-132	
Bromomethane	5.00	3.60	72.0	56.0-147	
n-Butylbenzene	5.00	5.14	103	68.0-135	
sec-Butylbenzene	5.00	5.75	115	74.0-130	
tert-Butylbenzene	5.00	5.32	106	75.0-127	
Carbon tetrachloride	5.00	4.39	87.8	66.0-128	
Chlorobenzene	5.00	5.28	106	76.0-128	
Chlorodibromomethane	5.00	4.77	95.4	74.0-127	
Chloroethane	5.00	4.18	83.6	61.0-134	
Chloroform	5.00	4.60	92.0	72.0-123	
Chloromethane	5.00	3.05	61.0	51.0-138	
2-Chlorotoluene	5.00	5.36	107	75.0-124	
4-Chlorotoluene	5.00	5.32	106	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.26	85.2	59.0-130	
1,2-Dibromoethane	5.00	5.41	108	74.0-128	
Dibromomethane	5.00	4.86	97.2	75.0-122	
1,2-Dichlorobenzene	5.00	4.93	98.6	76.0-124	
1,3-Dichlorobenzene	5.00	5.54	111	76.0-125	
1,4-Dichlorobenzene	5.00	5.09	102	77.0-121	
Dichlorodifluoromethane	5.00	3.76	75.2	43.0-156	
1,1-Dichloroethane	5.00	5.03	101	70.0-127	
1,2-Dichloroethane	5.00	4.45	89.0	65.0-131	
1,1-Dichloroethene	5.00	5.04	101	65.0-131	
cis-1,2-Dichloroethene	5.00	4.68	93.6	73.0-125	
trans-1,2-Dichloroethene	5.00	4.74	94.8	71.0-125	
1,2-Dichloropropane	5.00	5.45	109	74.0-125	
1,1-Dichloropropene	5.00	5.07	101	73.0-125	
1,3-Dichloropropane	5.00	5.66	113	80.0-125	
cis-1,3-Dichloropropene	5.00	5.01	100	76.0-127	
trans-1,3-Dichloropropene	5.00	5.23	105	73.0-127	
2,2-Dichloropropane	5.00	4.64	92.8	59.0-135	
Di-isopropyl ether	5.00	4.81	96.2	60.0-136	
Ethylbenzene	5.00	5.10	102	74.0-126	
Hexachloro-1,3-butadiene	5.00	3.97	79.4	57.0-150	
Isopropylbenzene	5.00	5.00	100	72.0-127	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3828482-1 08/19/22 10:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
p-Isopropyltoluene	5.00	5.27	105	72.0-133	
2-Butanone (MEK)	25.0	28.1	112	30.0-160	
Methylene Chloride	5.00	5.15	103	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	27.8	111	56.0-143	
Methyl tert-butyl ether	5.00	4.51	90.2	66.0-132	
Naphthalene	5.00	4.94	98.8	59.0-130	
n-Propylbenzene	5.00	5.73	115	74.0-126	
Styrene	5.00	5.21	104	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.84	96.8	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	5.82	116	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.95	99.0	61.0-139	
Tetrachloroethene	5.00	4.90	98.0	70.0-136	
Toluene	5.00	5.29	106	75.0-121	
1,2,3-Trichlorobenzene	5.00	4.29	85.8	59.0-139	
1,2,4-Trichlorobenzene	5.00	4.62	92.4	62.0-137	
1,1,1-Trichloroethane	5.00	4.56	91.2	69.0-126	
1,1,2-Trichloroethane	5.00	5.31	106	78.0-123	
Trichloroethene	5.00	5.08	102	76.0-126	
Trichlorofluoromethane	5.00	3.96	79.2	61.0-142	
1,2,3-Trichloropropane	5.00	5.02	100	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.79	95.8	70.0-126	
1,2,3-Trimethylbenzene	5.00	5.12	102	74.0-124	
1,3,5-Trimethylbenzene	5.00	5.15	103	73.0-127	
Vinyl chloride	5.00	4.71	94.2	63.0-134	
Xylenes, Total	15.0	15.6	104	72.0-127	
Ethyl ether	5.00	5.06	101	64.0-137	
Tetrahydrofuran	5.00	5.14	103	37.0-146	
Iodomethane	25.0	22.3	89.2	74.0-134	
Allyl chloride	25.0	27.3	109	70.0-131	
trans-1,4-Dichloro-2-butene	5.00	5.49	110	45.0-143	
(S) Toluene-d8			109	75.0-131	
(S) 4-Bromofluorobenzene			99.1	67.0-138	
(S) 1,2-Dichloroethane-d4			91.9	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

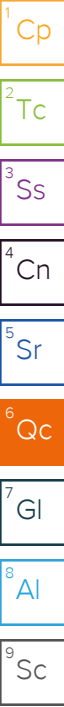
(MB) R3829448-3 08/23/22 11:46

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	104			75.0-131
(S) 4-Bromofluorobenzene	98.9			67.0-138
(S) 1,2-Dichloroethane-d4	97.4			70.0-130

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

(LCS) R3829448-1 08/23/22 10:25 • (LCSD) R3829448-2 08/23/22 10:45

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
cis-1,2-Dichloroethene	5.00	4.60	4.57	92.0	91.4	73.0-125			0.654	20
Vinyl chloride	5.00	4.21	4.12	84.2	82.4	63.0-134			2.16	20
(S) Toluene-d8				103	101	75.0-131				
(S) 4-Bromofluorobenzene				99.5	99.6	67.0-138				
(S) 1,2-Dichloroethane-d4				97.8	97.4	70.0-130				



GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

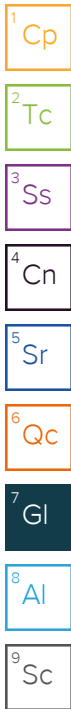
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
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.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

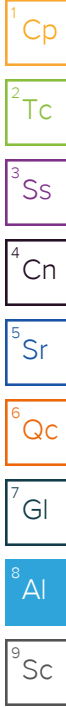
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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 1 of 3



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>

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Shannon.McKernan@nv5.com;brian.oneal@nv5.com

Project Description:
American Linen

City/State
Collected: Seattle, WA

Please Circle:
PT MT CT ET

Phone: 206-529-3980

Client Project #
1413.001.10.701 TASK

Lab Project #
PESENVSWA-ALP

Collected by (print):
KL, CM, NW

Site/Facility ID #

P.O. #
443018-1413001.05.601

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

No.
of
Cntrs

Sample ID Comp/Grab Matrix * Depth Date Time Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	ALK 125m HDPE-NoPres	CHLORIDE, NITRATE 125m HDPE-NoPres	FE3, MNG 250m HDPE-HNO3	NWTPHGX 40m Amb HCl	RSK175LL 40m Amb-HCl	SULFATE 125m HDPE-NoPres	TOC 250m HDPE-HCl	V8260ULLC 40m Amb-HCl
MW-108-081022	MW108-081022	GW		8/10/22	0942	8	X	NO	X	NO	X	X	X	X
MW-109-081022	MW109-081022	GW		/	0906	8	NO	NO	X	NO	X	X	X	X
MW-113-081022	MW113-081022	GW		/	1213	8	NO	NO	X	NO	X	X	X	X
MW-115-081022	MW115-081022	GW		/	1135	8	NO	NO	X	NO	X	X	X	X
MW-116-081022	MW116-081022	GW		/	1245	8	NO	NO	X	NO	X	X	X	X
MW-126-081022	MW126-081022	GW		/	1015	8	NO	NO	X	NO	X	X	X	X
MW-335-081022		GW		/	1330	3								X
MW-336-081022		GW		/	1354	3								X
MW-105-080922	MW105-080922	GW		8/9/22	1324	8	NO	NO	X	NO	X	X	X	X
MW-111-080922	MW111-080922	GW		/	1522	8	NO	NO	X	NO	X	X	X	X

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:
Updates per SEM 8/11/22.

pH _____ Temp _____
Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact: ___ NP ___ Y ___ N
 COC Signed/Accurate: ___ Y ___ N
 Bottles arrive intact: ___ Y ___ N
 Correct bottles used: ___ Y ___ N
 Sufficient volume sent: ___ Y ___ N

If Applicable

VOA Zero Headspace: ___ Y ___ N
 Preservation Correct/Checked: ___ Y ___ N
 RAD Screen <0.5 mR/hr: ___ Y ___ N

Samples returned via:
UPS ___ FedEx ___ Courier ___ Tracking #

Relinquished by: (Signature) Date: 8/10/22 Time: 1545 Received by: (Signature) Trip Blank Received: Yes / No
HCL / MeOH
TBR

Relinquished by: (Signature) Date: Time: Received by: (Signature) Temp: °C Bottles Received: If preservation required by Login: Date/Time

Relinquished by: (Signature) Date: Time: Received for lab by: (Signature) Date: Time: Hold: Condition: NCF / OK

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 2 of 3



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/hubfs/pas-standard-terms.pdf>

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State
Collected: Seattle, WA

Please Circle:
PT MT CT ET

Phone: 206-529-3980

Client Project #
1413.001.10.701 TASK

Lab Project #
PESENVSWA-ALP

Collected by (print):
KL, NW, CM

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Immediately
Packed on Ice N Y

Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Date Results Needed

No.
of
Cnts

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cnts	ALK 125miHDPE-NoPres	CHLORIDE,NITRATE 125miHDPE-NoPres	FEG,MING 250miHDPE-HNO3	NWTPHGX 40miAmb HCl	RSK175LL 40miAmb-HCl	SULFATE 125miHDPE-NoPres	TOC 250miHDPE-HCl	V8260ULLC 40miAmb-HCl	Remarks	Sample # (lab only)
MW-112-080922 MW112-080922		GW		8/9/22	1217	8	X	X	X	X	X	X	X	X		
MW-138-080922		GW		1	1100	8	X	X	X	X	X	X	X	X		
MW125-080922		GW		1	1010	11	X	X	X	X	X	X	X	X		
MW-974-080922		GW		1	0800	11	X	X	X	X	X	X	X	X		
MW-9-080922		GW		1	1242	11	X	X	X	X	X	X	X	X		
MW5-080922		GW		1	1110	11	X	X	X	X	X	X	X	X		
BB-8-080922		GW		1	1320	8	X	X	X	X	X	X	X	X		
MW-975-080922		GW		1	1320	8	X	X	X	X	X	X	X	X		
MW103-080922		GW		1	1520	8	X	X	X	X	X	X	X	X		
1040 MW-147.081022		GW		8/10/22	1040	8	X	X	X	X	X	X	X	X		

GRO already indicated

GRO

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:
Updates per SEM 8/11/22.

pH _____ Temp _____
Flow _____ Other _____

Sample Receipt Checklist	
COC Seal Present/Intact:	<input type="checkbox"/> NP <input type="checkbox"/> Y <input type="checkbox"/> N
COC Signed/Accurate:	<input type="checkbox"/> Y <input type="checkbox"/> N
Bottles arrive intact:	<input type="checkbox"/> Y <input type="checkbox"/> N
Correct bottles used:	<input type="checkbox"/> Y <input type="checkbox"/> N
Sufficient volume sent:	<input type="checkbox"/> Y <input type="checkbox"/> N
If Applicable	
VOA Zero HeadSpace:	<input type="checkbox"/> Y <input type="checkbox"/> N
Preservation Correct/Checked:	<input type="checkbox"/> Y <input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input type="checkbox"/> Y <input type="checkbox"/> N

Samples returned via:
 UPS FedEx Courier

Tracking #

Relinquished by: (Signature)	Date: 8/10/22	Time: 1549	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time: Hold: Condition: NCF / OK

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 3 of 3

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State
Collected: **Seattle, WA**

Please Circle:
PT MT CT ET

Phone: 206-529-3980

Client Project #
1413.001.10.701 TASK

Lab Project #
PESENVSWA-ALP

Collected by (print):
KL, NW, CM

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Immediately Packed on Ice N Y

Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Date Results Needed

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK 125mlHDPE-NoPres	CHLORIDE,NITRATE 125mlHDPE-NoPres	FEG,MING 250mlHDPE-HNO3	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl
MW-147-081022		GW												
MW-148-081022	Grab	GW		8/10/22	1205	8		X	X	X	X	X	X	X
1340		GW												
MW-145R-081022	Grab	GW		8/10/22	1340	8		X	X	X	X	X	X	X
		GW												
		GW												
		GW												
		GW												
		GW												

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MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
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SDG #

Table #

Acctnum: **PESENVSWA**

Template: **T213317**

Prelogin: **P939358**

PM: 546 - Jared Starkey

PB:

Shipped Via:

Remarks Sample # (lab only)

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:
Updates per SEM 8/11/22.

pH _____ Temp _____
Flow _____ Other _____

Sample Receipt Checklist	
COC Seal Present/Intact:	NP <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
COC Signed/Accurate:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
Bottles arrive intact:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
Correct bottles used:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
Sufficient volume sent:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
If Applicable	
VOA Zero Headspace:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
Preservation Correct/Checked:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>
RAD Screen <0.5 mR/hr:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>

Samples returned via:
 UPS FedEx Courier

Tracking #

Relinquished by: (Signature) 	Date: 8/10/22	Time: 1545	Received by: (Signature)	Trip Blank Received: Yes/No HCL/MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time: Hold: Condition: NCF / OK

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

Chain of Custody Page 1 of 3

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State Collected:

Please Circle:
 PT MT CT ET

Phone: **206-529-3980**

Client Project #
1413.001.10.701 TASK

Lab Project #
PESENVSWA-ALP

Collected by (print):
KL, CM, NW

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):
 Immediately Packed on Ice N Y

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

MW-108-081022		GW		8/10/22	0942	
MW-109-081022		GW		1	0906	
MW-113-081022		GW		1	1213	
MW-115-081022		GW		1	1135	
MW-116-081022		GW		1	1245	
MW-126-081022		GW		1	1015	
MW-335-081022		GW		1	1330	
MW-336-081022		GW		1	1354	
MW-105-080922		GW		8/9/22	1324	
MW-111-080922		GW		1	1522	

Analysis / Container / Preservative												
ALK 125mlHDPE-NoPres	CHLORIDE,NITRATE 125mlHDPE-NoPres	42	FEG,MNG 250mlHDPE-HNO3	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl				

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MT JULIET, TN
 12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # **1524067**
G090
 Acctnum: **PESENVSWA**
 Template: **T213317**
 Prelogin: **P939358**
 PM: **546 - Jared Starkey**
 PB:

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via:
 UPS FedEx Courier
 Tracking #

Sample Receipt Checklist:
 COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 If Applicable
 VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)

Date: **8/10/22** Time: **1545**

Received by: (Signature)

Trip Blank Received: Yes/No
 HCL / MeOH
 TBR

Temp: _____ °C Bottles Received: **178**
 If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: _____ Time: _____

Received for lab by: (Signature)

Date: **8/11/22** Time: **8:45**

Hold: _____ Condition: **NCF / OK**

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 2 of 3



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>

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: 206-529-3980

Client Project #
1413.001.10.701 TASK

Lab Project #
PESENVSWA-ALP

Collected by (print):
KL, NW, CM

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

No.
of
Cntrs

Immediately
Packed on Ice N ___ Y ___

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	ALK 125mlHDPE-NoPres	CHLORIDE,NITRATE 125mlHDPE-NoPres	FEG,MNG 250mlHDPE-HNO3	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-112-080922		GW		8/9/22	1217	X	X	X	X	X	X	X	X		11
MW-138-080922		GW		1	1100	X	X	X	X	X	X	X	X		12
MW125-080922		GW		1	1010	X	X	X	X	X	X	X	X		13
MW-974-080922		GW		1	0800	X	X	X	X	X	X	X	X		14
MW-9-080922		GW		1	1242	X	X	X	X	X	X	X	X		15
MW5-080922		GW		1	1110	X	X	X	X	X	X	X	X		16
BB-8-080922		GW		1	1320	X	X	X	X	X	X	X	X		17
MW-975-080922		GW		1	1320	X	X	X	X	X	X	X	X		18
MW103-080922		GW		1	1520	X	X	X	X	X	X	X	X		19
1040 MW-147.081022		GW		8/10/22	1040	X	X	X	X	X	X	X	X		20

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:

___ UPS ___ FedEx ___ Courier

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)

Date:

8/10/22 1549

Time:

Received by: (Signature)

Trip Blank Received: Yes / No

HCL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C

Bottles Received: 178

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

Hold:


Condition:
NCF / OK

8/11/22 8:45

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

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>

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5.com

Project Description:
American Linen

City/State Collected:

Please Circle:
 PT MT CT ET

Phone: **206-529-3980**

Client Project #
1413.001.10.701 TASK

Lab Project #
PESENVSWA-ALP

Collected by (print):

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):
 Immediately Packed on Ice N ___ Y ___

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
 No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	ALK 125mlHDPE-NoPres	CHLORIDE,NITRATE 125mlHDPE-NoPres	FEG,MNG 250mlHDPE-HNO3	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl
MW-147-081022		GW											
MW-148-081022		GW		8/10/22	1205		X	X	X	X	X	X	X
1340		GW					X	X	X	X	X	X	X
MW-145R-081022		GW		8/10/22	1340		X	X	X	X	X	X	X
		GW											
		GW											
		GW											
		GW											
		GW											

SDG # **1524067**
 Table #
 Acctnum: **PESENVSWA**
 Template: **T213317**
 Prelogin: **P939358**
 PM: **546 - Jared Starkey**
 PB:
 Shipped Via:
 Remarks Sample # (lab only)

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via:
 ___ UPS ___ FedEx ___ Courier
 Tracking #

Sample Receipt Checklist
 COC Seal Present/Intact: ___ NP ___ Y ___ N
 COC Signed/Accurate: ___ Y ___ N
 Bottles arrive intact: ___ Y ___ N
 Correct bottles used: ___ Y ___ N
 Sufficient volume sent: ___ Y ___ N
 If Applicable
 VOA Zero Headspace: ___ Y ___ N
 Preservation Correct/Checked: ___ Y ___ N
 RAD Screen <0.5 mR/hr: ___ Y ___ N

Relinquished by: (Signature)
 Date: **8/10/22**
 Time: **1545**

Received by: (Signature)
 Trip Blank Received: Yes/No
 HCl / MeOH
 TBR

Temp: °C
 Bottles Received: **178**

If preservation required by Login: Date/Time
 Hold:
 Condition: **NCF / OK**

MS24067

<u>Tracking Numbers</u>	<u>Temperature</u>
0309 6697 9907	0.3+0=0.3
5809 6697 9916	1.3+0=1.3
0809 6697 9938	0.2+0=0.2

PES Environmental, Inc.- WA

Sample Delivery Group: L1525066
Samples Received: 08/13/2022
Project Number: 1413.001.10.701 TASK
Description: American Linen

Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:



Jared Starkey
Project Manager

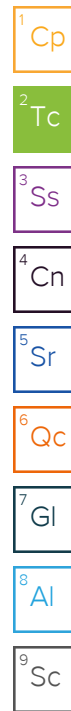
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory 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 www.pacenational.com

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SAMPLE SUMMARY

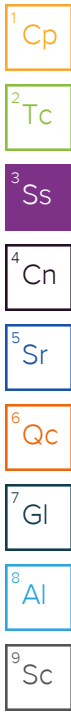
EQ-081222 L1525066-01 GW

Collected by
Natalie Wisdom

Collected date/time
08/12/22 14:50

Received date/time
08/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1915225	1	08/25/22 07:37	08/25/22 07:37	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1910349	1	08/13/22 19:57	08/13/22 19:57	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911948	1	08/25/22 13:08	08/25/22 13:08	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1911348	1	08/20/22 11:33	08/20/22 17:31	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1913331	1	08/20/22 08:28	08/20/22 08:28	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1912411	1	08/18/22 13:00	08/18/22 13:00	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 14:51	08/19/22 14:51	ADM	Mt. Juliet, TN



MW102-081222 L1525066-02 GW

Collected by
Natalie Wisdom

Collected date/time
08/12/22 13:32

Received date/time
08/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1910963	1	08/18/22 04:51	08/18/22 04:51	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911948	1	08/25/22 13:35	08/25/22 13:35	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1911348	1	08/20/22 11:33	08/20/22 17:40	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1912411	1	08/18/22 13:04	08/18/22 13:04	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 15:10	08/19/22 15:10	ADM	Mt. Juliet, TN

MW-976-081222 L1525066-03 GW

Collected by
Natalie Wisdom

Collected date/time
08/12/22 08:00

Received date/time
08/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1915225	1	08/25/22 07:43	08/25/22 07:43	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1910349	1	08/13/22 20:11	08/13/22 20:11	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911948	1	08/25/22 13:50	08/25/22 13:50	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1911348	1	08/20/22 11:33	08/20/22 17:44	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1913331	1	08/20/22 08:50	08/20/22 08:50	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1912411	1	08/18/22 13:07	08/18/22 13:07	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 15:29	08/19/22 15:29	ADM	Mt. Juliet, TN

MW-301-081222 L1525066-04 GW

Collected by
Natalie Wisdom

Collected date/time
08/12/22 09:57

Received date/time
08/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1915225	1	08/25/22 07:55	08/25/22 07:55	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1910349	1	08/13/22 20:56	08/13/22 20:56	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911948	1	08/25/22 14:40	08/25/22 14:40	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1911348	1	08/20/22 11:33	08/20/22 17:47	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1913331	1	08/20/22 09:12	08/20/22 09:12	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1912411	1	08/18/22 13:11	08/18/22 13:11	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 15:47	08/19/22 15:47	ADM	Mt. Juliet, TN

MW-158A-081222 L1525066-05 GW

Collected by
Natalie Wisdom

Collected date/time
08/12/22 12:03

Received date/time
08/13/22 09:00

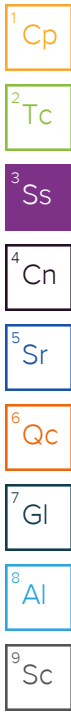
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1910963	1	08/18/22 05:05	08/18/22 05:05	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911948	1	08/25/22 14:54	08/25/22 14:54	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1911348	1	08/20/22 11:33	08/20/22 17:50	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1912411	1	08/18/22 13:16	08/18/22 13:16	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 16:06	08/19/22 16:06	ADM	Mt. Juliet, TN

SAMPLE SUMMARY

W-MW-01-081222 L1525066-06 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/12/22 10:11
 Received date/time: 08/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1910963	1	08/18/22 05:20	08/18/22 05:20	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911948	1	08/25/22 15:10	08/25/22 15:10	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1911348	1	08/20/22 11:33	08/20/22 17:53	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1912411	1	08/18/22 13:23	08/18/22 13:23	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1913045	10	08/19/22 09:36	08/19/22 09:36	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 16:24	08/19/22 16:24	ADM	Mt. Juliet, TN



MW-325-081122 L1525066-07 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/11/22 10:12
 Received date/time: 08/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 16:43	08/19/22 16:43	ADM	Mt. Juliet, TN

MW-174-081122 L1525066-08 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/11/22 10:25
 Received date/time: 08/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	10	08/19/22 18:16	08/19/22 18:16	ADM	Mt. Juliet, TN

MW-175-081122 L1525066-09 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/11/22 13:30
 Received date/time: 08/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 17:02	08/19/22 17:02	ADM	Mt. Juliet, TN

MW-173-081122 L1525066-10 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/11/22 10:05
 Received date/time: 08/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 17:20	08/19/22 17:20	ADM	Mt. Juliet, TN

TB2-081222 L1525066-11 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/12/22 00:00
 Received date/time: 08/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1913331	1	08/20/22 07:00	08/20/22 07:00	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 12:21	08/19/22 12:21	ADM	Mt. Juliet, TN

MW-326-081122 L1525066-12 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/11/22 09:36
 Received date/time: 08/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 17:39	08/19/22 17:39	ADM	Mt. Juliet, TN

SAMPLE SUMMARY

MW-176-081122 L1525066-13 GW

Collected by: Natalie Wisdom
Collected date/time: 08/11/22 14:00
Received date/time: 08/13/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913512	1	08/19/22 17:57	08/19/22 17:57	ADM	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

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	U		8450	20000	1	08/25/2022 07:37	WG1915225

Sample Narrative:

L1525066-01 WG1915225: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Chloride	420	J	379	1000	1	08/13/2022 19:57	WG1910349
Nitrate	302		48.0	100	1	08/13/2022 19:57	WG1910349
Sulfate	U		594	5000	1	08/13/2022 19:57	WG1910349

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	U		102	1000	1	08/25/2022 13:08	WG1911948

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	U		28.1	100	1	08/20/2022 17:31	WG1911348
Manganese	1.54	J	0.704	5.00	1	08/20/2022 17:31	WG1911348

Volatile Organic Compounds (GC) by Method NWTPHGX

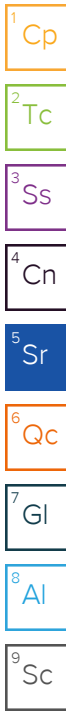
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/20/2022 08:28	WG1913331
(S) a,a,a-Trifluorotoluene(FID)	99.3			78.0-120		08/20/2022 08:28	WG1913331

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	4.94		0.287	0.678	1	08/18/2022 13:00	WG1912411
Ethane	U		0.296	1.29	1	08/18/2022 13:00	WG1912411
Ethene	U		0.422	1.27	1	08/18/2022 13:00	WG1912411

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	8.68		0.548	1.00	1	08/19/2022 14:51	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 14:51	WG1913512
Benzene	0.0500		0.0160	0.0400	1	08/19/2022 14:51	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 14:51	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 14:51	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 14:51	WG1913512
Bromomethane	U	C3	0.148	0.500	1	08/19/2022 14:51	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 14:51	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 14:51	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 14:51	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 14:51	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 14:51	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 14:51	WG1913512



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloroethane	U		0.0432	0.200	1	08/19/2022 14:51	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 14:51	WG1913512
Chloromethane	U	C3	0.0556	0.500	1	08/19/2022 14:51	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 14:51	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 14:51	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 14:51	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 14:51	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 14:51	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 14:51	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 14:51	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 14:51	WG1913512
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	08/19/2022 14:51	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 14:51	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 14:51	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 14:51	WG1913512
cis-1,2-Dichloroethene	0.154		0.0276	0.100	1	08/19/2022 14:51	WG1913512
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 14:51	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 14:51	WG1913512
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 14:51	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 14:51	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 14:51	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 14:51	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 14:51	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 14:51	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 14:51	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 14:51	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 14:51	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 14:51	WG1913512
2-Butanone (MEK)	1.15		0.500	1.00	1	08/19/2022 14:51	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 14:51	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 14:51	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 14:51	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 14:51	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 14:51	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 14:51	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 14:51	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 14:51	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 14:51	WG1913512
Tetrachloroethene	0.238		0.0280	0.100	1	08/19/2022 14:51	WG1913512
Toluene	0.150		0.0500	0.200	1	08/19/2022 14:51	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 14:51	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 14:51	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 14:51	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 14:51	WG1913512
Trichloroethene	0.265		0.0160	0.0400	1	08/19/2022 14:51	WG1913512
Trichlorofluoromethane	U	C3	0.0200	0.100	1	08/19/2022 14:51	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 14:51	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 14:51	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 14:51	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 14:51	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 14:51	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 14:51	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 14:51	WG1913512
Tetrahydrofuran	0.586		0.0900	0.500	1	08/19/2022 14:51	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 14:51	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 14:51	WG1913512

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
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 14:51	WG1913512
(S) Toluene-d8	105			75.0-131		08/19/2022 14:51	WG1913512
(S) 4-Bromofluorobenzene	99.2			67.0-138		08/19/2022 14:51	WG1913512
(S) 1,2-Dichloroethane-d4	92.1			70.0-130		08/19/2022 14:51	WG1913512

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1950	J	594	5000	1	08/18/2022 04:51	WG1910963

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)	1130	B	102	1000	1	08/25/2022 13:35	WG1911948

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2560		28.1	100	1	08/20/2022 17:40	WG1911348
Manganese	314		0.704	5.00	1	08/20/2022 17:40	WG1911348

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	321		0.287	0.678	1	08/18/2022 13:04	WG1912411
Ethane	U		0.296	1.29	1	08/18/2022 13:04	WG1912411
Ethene	U		0.422	1.27	1	08/18/2022 13:04	WG1912411

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	08/19/2022 15:10	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 15:10	WG1913512
Benzene	U		0.0160	0.0400	1	08/19/2022 15:10	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 15:10	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 15:10	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 15:10	WG1913512
Bromomethane	U	C3	0.148	0.500	1	08/19/2022 15:10	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 15:10	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 15:10	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 15:10	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 15:10	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 15:10	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 15:10	WG1913512
Chloroethane	U		0.0432	0.200	1	08/19/2022 15:10	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 15:10	WG1913512
Chloromethane	U	C3	0.0556	0.500	1	08/19/2022 15:10	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 15:10	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 15:10	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 15:10	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 15:10	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 15:10	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 15:10	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 15:10	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 15:10	WG1913512
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	08/19/2022 15:10	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 15:10	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 15:10	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 15:10	WG1913512
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/19/2022 15:10	WG1913512
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 15:10	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 15:10	WG1913512

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
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 15:10	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 15:10	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 15:10	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 15:10	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 15:10	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 15:10	WG1913512
Ethylbenzene	0.0340	U	0.0212	0.100	1	08/19/2022 15:10	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 15:10	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 15:10	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 15:10	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 15:10	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 15:10	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 15:10	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 15:10	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 15:10	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 15:10	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 15:10	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 15:10	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 15:10	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 15:10	WG1913512
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 15:10	WG1913512
Toluene	0.176	U	0.0500	0.200	1	08/19/2022 15:10	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 15:10	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 15:10	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 15:10	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 15:10	WG1913512
Trichloroethene	U		0.0160	0.0400	1	08/19/2022 15:10	WG1913512
Trichlorofluoromethane	U	C3	0.0200	0.100	1	08/19/2022 15:10	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 15:10	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 15:10	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 15:10	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 15:10	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 15:10	WG1913512
Xylenes, Total	0.285		0.191	0.260	1	08/19/2022 15:10	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 15:10	WG1913512
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2022 15:10	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 15:10	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 15:10	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 15:10	WG1913512
(S) Toluene-d8	107			75.0-131		08/19/2022 15:10	WG1913512
(S) 4-Bromofluorobenzene	99.6			67.0-138		08/19/2022 15:10	WG1913512
(S) 1,2-Dichloroethane-d4	90.3			70.0-130		08/19/2022 15:10	WG1913512

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

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	178000		8450	20000	1	08/25/2022 07:43	WG1915225

Sample Narrative:

L1525066-03 WG1915225: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	63400		379	1000	1	08/13/2022 20:11	WG1910349
Nitrate	1250		48.0	100	1	08/13/2022 20:11	WG1910349
Sulfate	23300		594	5000	1	08/13/2022 20:11	WG1910349

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)	2700	<u>B</u>	102	1000	1	08/25/2022 13:50	WG1911948

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	521		28.1	100	1	08/20/2022 17:44	WG1911348
Manganese	233		0.704	5.00	1	08/20/2022 17:44	WG1911348

Volatile Organic Compounds (GC) by Method NWTPHGX

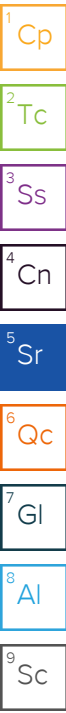
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/20/2022 08:50	WG1913331
(S) a,a,a-Trifluorotoluene(FID)	99.0			78.0-120		08/20/2022 08:50	WG1913331

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	35.6		0.287	0.678	1	08/18/2022 13:07	WG1912411
Ethane	U		0.296	1.29	1	08/18/2022 13:07	WG1912411
Ethene	U		0.422	1.27	1	08/18/2022 13:07	WG1912411

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	3.57		0.548	1.00	1	08/19/2022 15:29	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 15:29	WG1913512
Benzene	U		0.0160	0.0400	1	08/19/2022 15:29	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 15:29	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 15:29	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 15:29	WG1913512
Bromomethane	U	<u>C3</u>	0.148	0.500	1	08/19/2022 15:29	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 15:29	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 15:29	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 15:29	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 15:29	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 15:29	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 15:29	WG1913512



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloroethane	U		0.0432	0.200	1	08/19/2022 15:29	WG1913512
Chloroform	0.130		0.0166	0.100	1	08/19/2022 15:29	WG1913512
Chloromethane	U	C3	0.0556	0.500	1	08/19/2022 15:29	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 15:29	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 15:29	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 15:29	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 15:29	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 15:29	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 15:29	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 15:29	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 15:29	WG1913512
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	08/19/2022 15:29	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 15:29	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 15:29	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 15:29	WG1913512
cis-1,2-Dichloroethene	0.150		0.0276	0.100	1	08/19/2022 15:29	WG1913512
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 15:29	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 15:29	WG1913512
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 15:29	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 15:29	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 15:29	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 15:29	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 15:29	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 15:29	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 15:29	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 15:29	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 15:29	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 15:29	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 15:29	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 15:29	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 15:29	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 15:29	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 15:29	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 15:29	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 15:29	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 15:29	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 15:29	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 15:29	WG1913512
Tetrachloroethene	1.55		0.0280	0.100	1	08/19/2022 15:29	WG1913512
Toluene	U		0.0500	0.200	1	08/19/2022 15:29	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 15:29	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 15:29	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 15:29	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 15:29	WG1913512
Trichloroethene	0.114		0.0160	0.0400	1	08/19/2022 15:29	WG1913512
Trichlorofluoromethane	U	C3	0.0200	0.100	1	08/19/2022 15:29	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 15:29	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 15:29	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 15:29	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 15:29	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 15:29	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 15:29	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 15:29	WG1913512
Tetrahydrofuran	1.92		0.0900	0.500	1	08/19/2022 15:29	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 15:29	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 15:29	WG1913512

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
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 15:29	WG1913512
(S) Toluene-d8	108			75.0-131		08/19/2022 15:29	WG1913512
(S) 4-Bromofluorobenzene	98.3			67.0-138		08/19/2022 15:29	WG1913512
(S) 1,2-Dichloroethane-d4	90.9			70.0-130		08/19/2022 15:29	WG1913512

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

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	168000		8450	20000	1	08/25/2022 07:55	WG1915225

Sample Narrative:

L1525066-04 WG1915225: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	68600		379	1000	1	08/13/2022 20:56	WG1910349
Nitrate	1550		48.0	100	1	08/13/2022 20:56	WG1910349
Sulfate	23500		594	5000	1	08/13/2022 20:56	WG1910349

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)	2640	<u>B</u>	102	1000	1	08/25/2022 14:40	WG1911948

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	795		28.1	100	1	08/20/2022 17:47	WG1911348
Manganese	295		0.704	5.00	1	08/20/2022 17:47	WG1911348

Volatile Organic Compounds (GC) by Method NWTPHGX

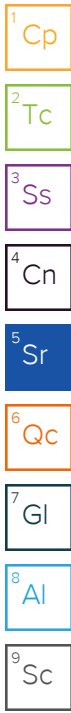
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/20/2022 09:12	WG1913331
(S) a,a,a-Trifluorotoluene(FID)	96.7			78.0-120		08/20/2022 09:12	WG1913331

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	41.7		0.287	0.678	1	08/18/2022 13:11	WG1912411
Ethane	U		0.296	1.29	1	08/18/2022 13:11	WG1912411
Ethene	U		0.422	1.27	1	08/18/2022 13:11	WG1912411

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	2.04		0.548	1.00	1	08/19/2022 15:47	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 15:47	WG1913512
Benzene	U		0.0160	0.0400	1	08/19/2022 15:47	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 15:47	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 15:47	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 15:47	WG1913512
Bromomethane	U	<u>C3</u>	0.148	0.500	1	08/19/2022 15:47	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 15:47	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 15:47	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 15:47	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 15:47	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 15:47	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 15:47	WG1913512



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloroethane	U		0.0432	0.200	1	08/19/2022 15:47	WG1913512
Chloroform	0.0870	<u>U</u>	0.0166	0.100	1	08/19/2022 15:47	WG1913512
Chloromethane	U	<u>C3</u>	0.0556	0.500	1	08/19/2022 15:47	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 15:47	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 15:47	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 15:47	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 15:47	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 15:47	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 15:47	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 15:47	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 15:47	WG1913512
Dichlorodifluoromethane	U	<u>C3</u>	0.0327	0.100	1	08/19/2022 15:47	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 15:47	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 15:47	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 15:47	WG1913512
cis-1,2-Dichloroethene	0.175		0.0276	0.100	1	08/19/2022 15:47	WG1913512
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 15:47	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 15:47	WG1913512
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 15:47	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 15:47	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 15:47	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 15:47	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 15:47	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 15:47	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 15:47	WG1913512
Hexachloro-1,3-butadiene	U	<u>C3</u>	0.508	1.00	1	08/19/2022 15:47	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 15:47	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 15:47	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 15:47	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 15:47	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 15:47	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 15:47	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 15:47	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 15:47	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 15:47	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 15:47	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 15:47	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 15:47	WG1913512
Tetrachloroethene	1.52		0.0280	0.100	1	08/19/2022 15:47	WG1913512
Toluene	U		0.0500	0.200	1	08/19/2022 15:47	WG1913512
1,2,3-Trichlorobenzene	U	<u>C4</u>	0.0250	0.500	1	08/19/2022 15:47	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 15:47	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 15:47	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 15:47	WG1913512
Trichloroethene	0.139		0.0160	0.0400	1	08/19/2022 15:47	WG1913512
Trichlorofluoromethane	U	<u>C3</u>	0.0200	0.100	1	08/19/2022 15:47	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 15:47	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 15:47	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 15:47	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 15:47	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 15:47	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 15:47	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 15:47	WG1913512
Tetrahydrofuran	2.27		0.0900	0.500	1	08/19/2022 15:47	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 15:47	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 15:47	WG1913512

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
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 15:47	WG1913512
(S) Toluene-d8	108			75.0-131		08/19/2022 15:47	WG1913512
(S) 4-Bromofluorobenzene	102			67.0-138		08/19/2022 15:47	WG1913512
(S) 1,2-Dichloroethane-d4	89.2			70.0-130		08/19/2022 15:47	WG1913512

- 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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	16800		594	5000	1	08/18/2022 05:05	WG1910963

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)	1790	<u>B</u>	102	1000	1	08/25/2022 14:54	WG1911948

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	125		28.1	100	1	08/20/2022 17:50	WG1911348
Manganese	23.2		0.704	5.00	1	08/20/2022 17:50	WG1911348

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	11.9		0.287	0.678	1	08/18/2022 13:16	WG1912411
Ethane	U		0.296	1.29	1	08/18/2022 13:16	WG1912411
Ethene	U		0.422	1.27	1	08/18/2022 13:16	WG1912411

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	5.06		0.548	1.00	1	08/19/2022 16:06	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 16:06	WG1913512
Benzene	U		0.0160	0.0400	1	08/19/2022 16:06	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 16:06	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 16:06	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 16:06	WG1913512
Bromomethane	U	<u>C3</u>	0.148	0.500	1	08/19/2022 16:06	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 16:06	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 16:06	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 16:06	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 16:06	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 16:06	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 16:06	WG1913512
Chloroethane	U		0.0432	0.200	1	08/19/2022 16:06	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 16:06	WG1913512
Chloromethane	U	<u>C3</u>	0.0556	0.500	1	08/19/2022 16:06	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 16:06	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 16:06	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 16:06	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 16:06	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 16:06	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 16:06	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 16:06	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 16:06	WG1913512
Dichlorodifluoromethane	U	<u>C3</u>	0.0327	0.100	1	08/19/2022 16:06	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 16:06	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 16:06	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 16:06	WG1913512
cis-1,2-Dichloroethene	0.550		0.0276	0.100	1	08/19/2022 16:06	WG1913512
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 16:06	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 16:06	WG1913512

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
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 16:06	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 16:06	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 16:06	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 16:06	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 16:06	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 16:06	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 16:06	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 16:06	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 16:06	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 16:06	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 16:06	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 16:06	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 16:06	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 16:06	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 16:06	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 16:06	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 16:06	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 16:06	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 16:06	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 16:06	WG1913512
Tetrachloroethene	0.418		0.0280	0.100	1	08/19/2022 16:06	WG1913512
Toluene	0.0810	U	0.0500	0.200	1	08/19/2022 16:06	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 16:06	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 16:06	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 16:06	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 16:06	WG1913512
Trichloroethene	0.282		0.0160	0.0400	1	08/19/2022 16:06	WG1913512
Trichlorofluoromethane	U	C3	0.0200	0.100	1	08/19/2022 16:06	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 16:06	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 16:06	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 16:06	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 16:06	WG1913512
Vinyl chloride	0.421		0.0273	0.100	1	08/19/2022 16:06	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 16:06	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 16:06	WG1913512
Tetrahydrofuran	0.576		0.0900	0.500	1	08/19/2022 16:06	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 16:06	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 16:06	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 16:06	WG1913512
(S) Toluene-d8	104			75.0-131		08/19/2022 16:06	WG1913512
(S) 4-Bromofluorobenzene	102			67.0-138		08/19/2022 16:06	WG1913512
(S) 1,2-Dichloroethane-d4	94.6			70.0-130		08/19/2022 16:06	WG1913512

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	24800		594	5000	1	08/18/2022 05:20	WG1910963

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)	3430	<u>J5</u>	102	1000	1	08/25/2022 15:10	WG1911948

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3050		28.1	100	1	08/20/2022 17:53	WG1911348
Manganese	1110		0.704	5.00	1	08/20/2022 17:53	WG1911348

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	28300		2.87	6.78	10	08/19/2022 09:36	WG1913045
Ethane	1.42		0.296	1.29	1	08/18/2022 13:23	WG1912411
Ethene	1.63		0.422	1.27	1	08/18/2022 13:23	WG1912411

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	37.4		0.548	1.00	1	08/19/2022 16:24	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 16:24	WG1913512
Benzene	0.0310	<u>J</u>	0.0160	0.0400	1	08/19/2022 16:24	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 16:24	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 16:24	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 16:24	WG1913512
Bromomethane	U	<u>C3</u>	0.148	0.500	1	08/19/2022 16:24	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 16:24	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 16:24	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 16:24	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 16:24	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 16:24	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 16:24	WG1913512
Chloroethane	U		0.0432	0.200	1	08/19/2022 16:24	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 16:24	WG1913512
Chloromethane	U	<u>C3</u>	0.0556	0.500	1	08/19/2022 16:24	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 16:24	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 16:24	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 16:24	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 16:24	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 16:24	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 16:24	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 16:24	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 16:24	WG1913512
Dichlorodifluoromethane	U	<u>C3</u>	0.0327	0.100	1	08/19/2022 16:24	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 16:24	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 16:24	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 16:24	WG1913512
cis-1,2-Dichloroethene	0.292		0.0276	0.100	1	08/19/2022 16:24	WG1913512
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 16:24	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 16:24	WG1913512



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	08/19/2022 16:24	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 16:24	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 16:24	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 16:24	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 16:24	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 16:24	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 16:24	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 16:24	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 16:24	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 16:24	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 16:24	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 16:24	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 16:24	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 16:24	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 16:24	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 16:24	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 16:24	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 16:24	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 16:24	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 16:24	WG1913512
Tetrachloroethene	0.240		0.0280	0.100	1	08/19/2022 16:24	WG1913512
Toluene	0.186	U	0.0500	0.200	1	08/19/2022 16:24	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 16:24	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 16:24	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 16:24	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 16:24	WG1913512
Trichloroethene	0.166		0.0160	0.0400	1	08/19/2022 16:24	WG1913512
Trichlorofluoromethane	U	C3	0.0200	0.100	1	08/19/2022 16:24	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 16:24	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 16:24	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 16:24	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 16:24	WG1913512
Vinyl chloride	2.70		0.0273	0.100	1	08/19/2022 16:24	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 16:24	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 16:24	WG1913512
Tetrahydrofuran	2.94		0.0900	0.500	1	08/19/2022 16:24	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 16:24	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 16:24	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 16:24	WG1913512
(S) Toluene-d8	106			75.0-131		08/19/2022 16:24	WG1913512
(S) 4-Bromofluorobenzene	99.9			67.0-138		08/19/2022 16:24	WG1913512
(S) 1,2-Dichloroethane-d4	88.4			70.0-130		08/19/2022 16:24	WG1913512

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	1.62		0.548	1.00	1	08/19/2022 16:43	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 16:43	WG1913512
Benzene	U		0.0160	0.0400	1	08/19/2022 16:43	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 16:43	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 16:43	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 16:43	WG1913512
Bromomethane	U	C3	0.148	0.500	1	08/19/2022 16:43	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 16:43	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 16:43	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 16:43	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 16:43	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 16:43	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 16:43	WG1913512
Chloroethane	U		0.0432	0.200	1	08/19/2022 16:43	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 16:43	WG1913512
Chloromethane	U	C3	0.0556	0.500	1	08/19/2022 16:43	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 16:43	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 16:43	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 16:43	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 16:43	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 16:43	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 16:43	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 16:43	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 16:43	WG1913512
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	08/19/2022 16:43	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 16:43	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 16:43	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 16:43	WG1913512
cis-1,2-Dichloroethene	0.869		0.0276	0.100	1	08/19/2022 16:43	WG1913512
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 16:43	WG1913512
1,2-Dichloropropane	0.0810	J	0.0508	0.200	1	08/19/2022 16:43	WG1913512
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 16:43	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 16:43	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 16:43	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 16:43	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 16:43	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 16:43	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 16:43	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 16:43	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 16:43	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 16:43	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 16:43	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 16:43	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 16:43	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 16:43	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 16:43	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 16:43	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 16:43	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 16:43	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 16:43	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 16:43	WG1913512
Tetrachloroethene	1.22		0.0280	0.100	1	08/19/2022 16:43	WG1913512
Toluene	U		0.0500	0.200	1	08/19/2022 16:43	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 16:43	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 16:43	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 16:43	WG1913512

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 16:43	WG1913512
Trichloroethene	0.284		0.0160	0.0400	1	08/19/2022 16:43	WG1913512
Trichlorofluoromethane	U	<u>C3</u>	0.0200	0.100	1	08/19/2022 16:43	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 16:43	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 16:43	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 16:43	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 16:43	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 16:43	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 16:43	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 16:43	WG1913512
Tetrahydrofuran	0.373	<u>J</u>	0.0900	0.500	1	08/19/2022 16:43	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 16:43	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 16:43	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 16:43	WG1913512
(S) Toluene-d8	104			75.0-131		08/19/2022 16:43	WG1913512
(S) 4-Bromofluorobenzene	99.7			67.0-138		08/19/2022 16:43	WG1913512
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		08/19/2022 16:43	WG1913512

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		5.48	10.0	10	08/19/2022 18:16	WG1913512
Acrylonitrile	U		0.760	5.00	10	08/19/2022 18:16	WG1913512
Benzene	U		0.160	0.400	10	08/19/2022 18:16	WG1913512
Bromobenzene	U		0.420	5.00	10	08/19/2022 18:16	WG1913512
Bromodichloromethane	U		0.315	1.00	10	08/19/2022 18:16	WG1913512
Bromoform	U		2.39	10.0	10	08/19/2022 18:16	WG1913512
Bromomethane	U	C3	1.48	5.00	10	08/19/2022 18:16	WG1913512
n-Butylbenzene	U		1.53	5.00	10	08/19/2022 18:16	WG1913512
sec-Butylbenzene	U		1.01	5.00	10	08/19/2022 18:16	WG1913512
tert-Butylbenzene	U		0.620	2.00	10	08/19/2022 18:16	WG1913512
Carbon tetrachloride	U		0.432	2.00	10	08/19/2022 18:16	WG1913512
Chlorobenzene	U		0.229	1.00	10	08/19/2022 18:16	WG1913512
Chlorodibromomethane	U		0.180	1.00	10	08/19/2022 18:16	WG1913512
Chloroethane	U		0.432	2.00	10	08/19/2022 18:16	WG1913512
Chloroform	U		0.166	1.00	10	08/19/2022 18:16	WG1913512
Chloromethane	U	C3	0.556	5.00	10	08/19/2022 18:16	WG1913512
2-Chlorotoluene	U		0.368	1.00	10	08/19/2022 18:16	WG1913512
4-Chlorotoluene	U		0.452	2.00	10	08/19/2022 18:16	WG1913512
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	08/19/2022 18:16	WG1913512
1,2-Dibromoethane	U		0.210	1.00	10	08/19/2022 18:16	WG1913512
Dibromomethane	U		0.400	2.00	10	08/19/2022 18:16	WG1913512
1,2-Dichlorobenzene	U		0.580	2.00	10	08/19/2022 18:16	WG1913512
1,3-Dichlorobenzene	U		0.680	2.00	10	08/19/2022 18:16	WG1913512
1,4-Dichlorobenzene	U		0.788	2.00	10	08/19/2022 18:16	WG1913512
Dichlorodifluoromethane	U	C3	0.327	1.00	10	08/19/2022 18:16	WG1913512
1,1-Dichloroethane	U		0.230	1.00	10	08/19/2022 18:16	WG1913512
1,2-Dichloroethane	U		0.190	1.00	10	08/19/2022 18:16	WG1913512
1,1-Dichloroethene	U		0.200	1.00	10	08/19/2022 18:16	WG1913512
cis-1,2-Dichloroethene	8.41		0.276	1.00	10	08/19/2022 18:16	WG1913512
trans-1,2-Dichloroethene	0.920	J	0.572	2.00	10	08/19/2022 18:16	WG1913512
1,2-Dichloropropane	U		0.508	2.00	10	08/19/2022 18:16	WG1913512
1,1-Dichloropropene	U		0.280	1.00	10	08/19/2022 18:16	WG1913512
1,3-Dichloropropane	U		0.700	2.00	10	08/19/2022 18:16	WG1913512
cis-1,3-Dichloropropene	U		0.271	1.00	10	08/19/2022 18:16	WG1913512
trans-1,3-Dichloropropene	U		0.612	2.00	10	08/19/2022 18:16	WG1913512
2,2-Dichloropropane	U		0.317	1.00	10	08/19/2022 18:16	WG1913512
Di-isopropyl ether	U		0.140	0.400	10	08/19/2022 18:16	WG1913512
Ethylbenzene	U		0.212	1.00	10	08/19/2022 18:16	WG1913512
Hexachloro-1,3-butadiene	U	C3	5.08	10.0	10	08/19/2022 18:16	WG1913512
Isopropylbenzene	U		0.345	1.00	10	08/19/2022 18:16	WG1913512
p-Isopropyltoluene	U		0.932	2.00	10	08/19/2022 18:16	WG1913512
2-Butanone (MEK)	U		5.00	10.0	10	08/19/2022 18:16	WG1913512
Methylene Chloride	U		2.65	10.0	10	08/19/2022 18:16	WG1913512
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	08/19/2022 18:16	WG1913512
Methyl tert-butyl ether	U		0.118	0.400	10	08/19/2022 18:16	WG1913512
Naphthalene	U		1.24	5.00	10	08/19/2022 18:16	WG1913512
n-Propylbenzene	U		0.472	2.00	10	08/19/2022 18:16	WG1913512
Styrene	U		1.09	5.00	10	08/19/2022 18:16	WG1913512
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	08/19/2022 18:16	WG1913512
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	08/19/2022 18:16	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	08/19/2022 18:16	WG1913512
Tetrachloroethene	U		0.280	1.00	10	08/19/2022 18:16	WG1913512
Toluene	U		0.500	2.00	10	08/19/2022 18:16	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.250	5.00	10	08/19/2022 18:16	WG1913512
1,2,4-Trichlorobenzene	U		1.93	5.00	10	08/19/2022 18:16	WG1913512
1,1,1-Trichloroethane	U		0.110	1.00	10	08/19/2022 18:16	WG1913512

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
1,1,2-Trichloroethane	U		0.353	1.00	10	08/19/2022 18:16	WG1913512
Trichloroethene	U		0.160	0.400	10	08/19/2022 18:16	WG1913512
Trichlorofluoromethane	U	<u>C3</u>	0.200	1.00	10	08/19/2022 18:16	WG1913512
1,2,3-Trichloropropane	U		2.04	5.00	10	08/19/2022 18:16	WG1913512
1,2,4-Trimethylbenzene	U		0.464	2.00	10	08/19/2022 18:16	WG1913512
1,2,3-Trimethylbenzene	U		0.460	2.00	10	08/19/2022 18:16	WG1913512
1,3,5-Trimethylbenzene	U		0.432	2.00	10	08/19/2022 18:16	WG1913512
Vinyl chloride	120		0.273	1.00	10	08/19/2022 18:16	WG1913512
Xylenes, Total	U		1.91	2.60	10	08/19/2022 18:16	WG1913512
Ethyl Ether	U		0.170	1.00	10	08/19/2022 18:16	WG1913512
Tetrahydrofuran	U		0.900	5.00	10	08/19/2022 18:16	WG1913512
Iodomethane	U		2.42	5.00	10	08/19/2022 18:16	WG1913512
Allyl chloride	U		5.80	10.0	10	08/19/2022 18:16	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	08/19/2022 18:16	WG1913512
(S) Toluene-d8	102			75.0-131		08/19/2022 18:16	WG1913512
(S) 4-Bromofluorobenzene	99.0			67.0-138		08/19/2022 18:16	WG1913512
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		08/19/2022 18:16	WG1913512

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Sample Narrative:

L1525066-08 WG1913512: Lowest possible dilution due to sample foaming.

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	3.97		0.548	1.00	1	08/19/2022 17:02	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 17:02	WG1913512
Benzene	0.0280	J	0.0160	0.0400	1	08/19/2022 17:02	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 17:02	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 17:02	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 17:02	WG1913512
Bromomethane	U	C3	0.148	0.500	1	08/19/2022 17:02	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 17:02	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 17:02	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 17:02	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 17:02	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 17:02	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 17:02	WG1913512
Chloroethane	0.334		0.0432	0.200	1	08/19/2022 17:02	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 17:02	WG1913512
Chloromethane	U	C3	0.0556	0.500	1	08/19/2022 17:02	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 17:02	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 17:02	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 17:02	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 17:02	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 17:02	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 17:02	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 17:02	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 17:02	WG1913512
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	08/19/2022 17:02	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 17:02	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 17:02	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 17:02	WG1913512
cis-1,2-Dichloroethene	0.147		0.0276	0.100	1	08/19/2022 17:02	WG1913512
trans-1,2-Dichloroethene	1.22		0.0572	0.200	1	08/19/2022 17:02	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 17:02	WG1913512
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 17:02	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 17:02	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 17:02	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 17:02	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 17:02	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 17:02	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 17:02	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 17:02	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 17:02	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 17:02	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 17:02	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 17:02	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 17:02	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 17:02	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 17:02	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 17:02	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 17:02	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 17:02	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 17:02	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 17:02	WG1913512
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 17:02	WG1913512
Toluene	0.0670	J	0.0500	0.200	1	08/19/2022 17:02	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 17:02	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 17:02	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 17:02	WG1913512

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 17:02	WG1913512
Trichloroethene	U		0.0160	0.0400	1	08/19/2022 17:02	WG1913512
Trichlorofluoromethane	U	<u>C3</u>	0.0200	0.100	1	08/19/2022 17:02	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 17:02	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 17:02	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 17:02	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 17:02	WG1913512
Vinyl chloride	0.200		0.0273	0.100	1	08/19/2022 17:02	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 17:02	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 17:02	WG1913512
Tetrahydrofuran	0.933		0.0900	0.500	1	08/19/2022 17:02	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 17:02	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 17:02	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 17:02	WG1913512
(S) Toluene-d8	109			75.0-131		08/19/2022 17:02	WG1913512
(S) 4-Bromofluorobenzene	99.4			67.0-138		08/19/2022 17:02	WG1913512
(S) 1,2-Dichloroethane-d4	95.3			70.0-130		08/19/2022 17:02	WG1913512

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	4.70		0.548	1.00	1	08/19/2022 17:20	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 17:20	WG1913512
Benzene	0.187		0.0160	0.0400	1	08/19/2022 17:20	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 17:20	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 17:20	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 17:20	WG1913512
Bromomethane	U	C3	0.148	0.500	1	08/19/2022 17:20	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 17:20	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 17:20	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 17:20	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 17:20	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 17:20	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 17:20	WG1913512
Chloroethane	U		0.0432	0.200	1	08/19/2022 17:20	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 17:20	WG1913512
Chloromethane	U	C3	0.0556	0.500	1	08/19/2022 17:20	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 17:20	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 17:20	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 17:20	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 17:20	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 17:20	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 17:20	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 17:20	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 17:20	WG1913512
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	08/19/2022 17:20	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 17:20	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 17:20	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 17:20	WG1913512
cis-1,2-Dichloroethene	0.0720	J	0.0276	0.100	1	08/19/2022 17:20	WG1913512
trans-1,2-Dichloroethene	0.370		0.0572	0.200	1	08/19/2022 17:20	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 17:20	WG1913512
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 17:20	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 17:20	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 17:20	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 17:20	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 17:20	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 17:20	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 17:20	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 17:20	WG1913512
Isopropylbenzene	0.136		0.0345	0.100	1	08/19/2022 17:20	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 17:20	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 17:20	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 17:20	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 17:20	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 17:20	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 17:20	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 17:20	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 17:20	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 17:20	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 17:20	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 17:20	WG1913512
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 17:20	WG1913512
Toluene	0.119	J	0.0500	0.200	1	08/19/2022 17:20	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 17:20	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 17:20	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 17:20	WG1913512

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 17:20	WG1913512
Trichloroethene	0.0490		0.0160	0.0400	1	08/19/2022 17:20	WG1913512
Trichlorofluoromethane	U	<u>C3</u>	0.0200	0.100	1	08/19/2022 17:20	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 17:20	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 17:20	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 17:20	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 17:20	WG1913512
Vinyl chloride	0.143		0.0273	0.100	1	08/19/2022 17:20	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 17:20	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 17:20	WG1913512
Tetrahydrofuran	7.10		0.0900	0.500	1	08/19/2022 17:20	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 17:20	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 17:20	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 17:20	WG1913512
(S) Toluene-d8	106			75.0-131		08/19/2022 17:20	WG1913512
(S) 4-Bromofluorobenzene	101			67.0-138		08/19/2022 17:20	WG1913512
(S) 1,2-Dichloroethane-d4	95.9			70.0-130		08/19/2022 17:20	WG1913512

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

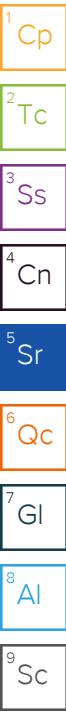
7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/20/2022 07:00	WG1913331
(S) a,a,a-Trifluorotoluene(FID)	96.3			78.0-120		08/20/2022 07:00	WG1913331



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	4.53		0.548	1.00	1	08/19/2022 12:21	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 12:21	WG1913512
Benzene	U		0.0160	0.0400	1	08/19/2022 12:21	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 12:21	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 12:21	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 12:21	WG1913512
Bromomethane	U	C3	0.148	0.500	1	08/19/2022 12:21	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 12:21	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 12:21	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 12:21	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 12:21	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 12:21	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 12:21	WG1913512
Chloroethane	U		0.0432	0.200	1	08/19/2022 12:21	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 12:21	WG1913512
Chloromethane	U	C3	0.0556	0.500	1	08/19/2022 12:21	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 12:21	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 12:21	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 12:21	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 12:21	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 12:21	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 12:21	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 12:21	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 12:21	WG1913512
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	08/19/2022 12:21	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 12:21	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 12:21	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 12:21	WG1913512
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/19/2022 12:21	WG1913512
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 12:21	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 12:21	WG1913512
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 12:21	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 12:21	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 12:21	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 12:21	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 12:21	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 12:21	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 12:21	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 12:21	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 12:21	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 12:21	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 12:21	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 12:21	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 12:21	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 12:21	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 12:21	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 12:21	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 12:21	WG1913512

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 12:21	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 12:21	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 12:21	WG1913512
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 12:21	WG1913512
Toluene	0.129	<u>J</u>	0.0500	0.200	1	08/19/2022 12:21	WG1913512
1,2,3-Trichlorobenzene	U	<u>C4</u>	0.0250	0.500	1	08/19/2022 12:21	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 12:21	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 12:21	WG1913512
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 12:21	WG1913512
Trichloroethene	U		0.0160	0.0400	1	08/19/2022 12:21	WG1913512
Trichlorofluoromethane	U	<u>C3</u>	0.0200	0.100	1	08/19/2022 12:21	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 12:21	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 12:21	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 12:21	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 12:21	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 12:21	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 12:21	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 12:21	WG1913512
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2022 12:21	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 12:21	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 12:21	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 12:21	WG1913512
(S) Toluene-d8	108			75.0-131		08/19/2022 12:21	WG1913512
(S) 4-Bromofluorobenzene	103			67.0-138		08/19/2022 12:21	WG1913512
(S) 1,2-Dichloroethane-d4	94.6			70.0-130		08/19/2022 12:21	WG1913512

- 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	2.39		0.548	1.00	1	08/19/2022 17:39	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 17:39	WG1913512
Benzene	U		0.0160	0.0400	1	08/19/2022 17:39	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 17:39	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 17:39	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 17:39	WG1913512
Bromomethane	U	C3	0.148	0.500	1	08/19/2022 17:39	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 17:39	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 17:39	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 17:39	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 17:39	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 17:39	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 17:39	WG1913512
Chloroethane	U		0.0432	0.200	1	08/19/2022 17:39	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 17:39	WG1913512
Chloromethane	U	C3	0.0556	0.500	1	08/19/2022 17:39	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 17:39	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 17:39	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 17:39	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 17:39	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 17:39	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 17:39	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 17:39	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 17:39	WG1913512
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	08/19/2022 17:39	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 17:39	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 17:39	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 17:39	WG1913512
cis-1,2-Dichloroethene	7.63		0.0276	0.100	1	08/19/2022 17:39	WG1913512
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 17:39	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 17:39	WG1913512
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 17:39	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 17:39	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 17:39	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 17:39	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 17:39	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 17:39	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 17:39	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 17:39	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 17:39	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 17:39	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 17:39	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 17:39	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 17:39	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 17:39	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 17:39	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 17:39	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 17:39	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 17:39	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 17:39	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 17:39	WG1913512
Tetrachloroethene	2.26		0.0280	0.100	1	08/19/2022 17:39	WG1913512
Toluene	0.0560	J	0.0500	0.200	1	08/19/2022 17:39	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 17:39	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 17:39	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 17:39	WG1913512

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 17:39	WG1913512
Trichloroethene	1.74		0.0160	0.0400	1	08/19/2022 17:39	WG1913512
Trichlorofluoromethane	U	<u>C3</u>	0.0200	0.100	1	08/19/2022 17:39	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 17:39	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 17:39	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 17:39	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 17:39	WG1913512
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 17:39	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 17:39	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 17:39	WG1913512
Tetrahydrofuran	0.389	<u>J</u>	0.0900	0.500	1	08/19/2022 17:39	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 17:39	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 17:39	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 17:39	WG1913512
(S) Toluene-d8	108			75.0-131		08/19/2022 17:39	WG1913512
(S) 4-Bromofluorobenzene	100			67.0-138		08/19/2022 17:39	WG1913512
(S) 1,2-Dichloroethane-d4	91.9			70.0-130		08/19/2022 17:39	WG1913512

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
Acetone	6.81		0.548	1.00	1	08/19/2022 17:57	WG1913512
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 17:57	WG1913512
Benzene	0.0280	J	0.0160	0.0400	1	08/19/2022 17:57	WG1913512
Bromobenzene	U		0.0420	0.500	1	08/19/2022 17:57	WG1913512
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 17:57	WG1913512
Bromoform	U		0.239	1.00	1	08/19/2022 17:57	WG1913512
Bromomethane	U	C3	0.148	0.500	1	08/19/2022 17:57	WG1913512
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 17:57	WG1913512
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 17:57	WG1913512
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 17:57	WG1913512
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 17:57	WG1913512
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 17:57	WG1913512
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 17:57	WG1913512
Chloroethane	0.229		0.0432	0.200	1	08/19/2022 17:57	WG1913512
Chloroform	U		0.0166	0.100	1	08/19/2022 17:57	WG1913512
Chloromethane	U	C3	0.0556	0.500	1	08/19/2022 17:57	WG1913512
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 17:57	WG1913512
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 17:57	WG1913512
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 17:57	WG1913512
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 17:57	WG1913512
Dibromomethane	U		0.0400	0.200	1	08/19/2022 17:57	WG1913512
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 17:57	WG1913512
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 17:57	WG1913512
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 17:57	WG1913512
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	08/19/2022 17:57	WG1913512
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 17:57	WG1913512
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 17:57	WG1913512
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 17:57	WG1913512
cis-1,2-Dichloroethene	0.316		0.0276	0.100	1	08/19/2022 17:57	WG1913512
trans-1,2-Dichloroethene	1.15		0.0572	0.200	1	08/19/2022 17:57	WG1913512
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 17:57	WG1913512
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 17:57	WG1913512
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 17:57	WG1913512
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 17:57	WG1913512
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 17:57	WG1913512
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 17:57	WG1913512
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 17:57	WG1913512
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 17:57	WG1913512
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	08/19/2022 17:57	WG1913512
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 17:57	WG1913512
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 17:57	WG1913512
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 17:57	WG1913512
Methylene Chloride	U		0.265	1.00	1	08/19/2022 17:57	WG1913512
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 17:57	WG1913512
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 17:57	WG1913512
Naphthalene	U		0.124	0.500	1	08/19/2022 17:57	WG1913512
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 17:57	WG1913512
Styrene	U		0.109	0.500	1	08/19/2022 17:57	WG1913512
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/19/2022 17:57	WG1913512
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 17:57	WG1913512
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 17:57	WG1913512
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 17:57	WG1913512
Toluene	0.0590	J	0.0500	0.200	1	08/19/2022 17:57	WG1913512
1,2,3-Trichlorobenzene	U	C4	0.0250	0.500	1	08/19/2022 17:57	WG1913512
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 17:57	WG1913512
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 17:57	WG1913512

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 17:57	WG1913512
Trichloroethene	0.0480		0.0160	0.0400	1	08/19/2022 17:57	WG1913512
Trichlorofluoromethane	U	<u>C3</u>	0.0200	0.100	1	08/19/2022 17:57	WG1913512
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 17:57	WG1913512
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 17:57	WG1913512
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 17:57	WG1913512
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 17:57	WG1913512
Vinyl chloride	1.35		0.0273	0.100	1	08/19/2022 17:57	WG1913512
Xylenes, Total	U		0.191	0.260	1	08/19/2022 17:57	WG1913512
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 17:57	WG1913512
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2022 17:57	WG1913512
Iodomethane	U		0.242	0.500	1	08/19/2022 17:57	WG1913512
Allyl chloride	U		0.580	1.00	1	08/19/2022 17:57	WG1913512
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 17:57	WG1913512
(S) Toluene-d8	106			75.0-131		08/19/2022 17:57	WG1913512
(S) 4-Bromofluorobenzene	101			67.0-138		08/19/2022 17:57	WG1913512
(S) 1,2-Dichloroethane-d4	93.3			70.0-130		08/19/2022 17:57	WG1913512

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3830208-2 08/25/22 06:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Alkalinity	U		8450	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1524484-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1524484-01 08/25/22 07:12 • (DUP) R3830208-3 08/25/22 07:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	101000	99000	1	2.02		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1526028-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1526028-02 08/25/22 08:46 • (DUP) R3830208-4 08/25/22 08:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	291000	291000	1	0.0204		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3830208-1 08/25/22 06:54

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Alkalinity	100000	106000	106	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3826396-1 08/13/22 13:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	U		379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1525018-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1525018-02 08/13/22 16:28 • (DUP) R3826396-3 08/13/22 16:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	6580	6460	1	1.73		15
Nitrate	1680	1620	1	3.89		15
Sulfate	135000	135000	1	0.179		15

L1525066-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1525066-04 08/13/22 20:56 • (DUP) R3826396-6 08/13/22 21:11

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	68600	68300	1	0.427		15
Nitrate	1550	1540	1	0.388		15
Sulfate	23500	23300	1	0.793		15

Laboratory Control Sample (LCS)

(LCS) R3826396-2 08/13/22 13:49

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40000	39900	99.6	80.0-120	
Nitrate	8000	7990	99.8	80.0-120	
Sulfate	40000	39800	99.5	80.0-120	

L1525018-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1525018-02 08/13/22 16:28 • (MS) R3826396-4 08/13/22 16:58 • (MSD) R3826396-5 08/13/22 17:13

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 %
Chloride	50000	6580	56100	56300	99.0	99.4	1	80.0-120			0.375	15
Nitrate	5000	1680	6360	6460	93.6	95.6	1	80.0-120			1.57	15
Sulfate	50000	135000	178000	178000	84.9	85.9	1	80.0-120			0.280	15

L1525066-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1525066-04 08/13/22 20:56 • (MS) R3826396-7 08/13/22 21:26

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	68600	115000	93.5	1	80.0-120	
Nitrate	5000	1550	6500	99.1	1	80.0-120	
Sulfate	50000	23500	72200	97.3	1	80.0-120	

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

Method Blank (MB)

(MB) R3827968-1 08/17/22 22:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1525057-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1525057-02 08/18/22 00:28 • (DUP) R3827968-3 08/18/22 00:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	71900	72400	1	0.765		15

L1525107-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1525107-07 08/18/22 07:26 • (DUP) R3827968-6 08/18/22 07:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	1500	1480	1	1.64	↓	15

Laboratory Control Sample (LCS)

(LCS) R3827968-2 08/17/22 23:06

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	41400	103	80.0-120	

L1525057-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1525057-02 08/18/22 00:28 • (MS) R3827968-4 08/18/22 00:56 • (MSD) R3827968-5 08/18/22 01:09

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	71900	123000	122000	102	100	1	80.0-120			0.546	15

L1525107-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1525107-07 08/18/22 07:26 • (MS) R3827968-7 08/18/22 07:54

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	1500	51800	101	1	80.0-120	

Method Blank (MB)

(MB) R3830679-2 08/25/22 10:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	294	↓	102	1000

1 Cp

2 Tc

3 Ss

L1525008-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1525008-13 08/25/22 12:40 • (DUP) R3830679-3 08/25/22 12:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	2690	2780	1	3.21		20

4 Cn

5 Sr

L1525066-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1525066-01 08/25/22 13:08 • (DUP) R3830679-4 08/25/22 13:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	U	U	1	0.000		20

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3830679-1 08/25/22 10:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	82600	110	85.0-115	

L1525066-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1525066-06 08/25/22 15:10 • (MS) R3830679-5 08/25/22 15:33 • (MSD) R3830679-6 08/25/22 15:56

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	3430	65000	64100	123	121	1	80.0-120	J5	J5	1.38	20

L1525215-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1525215-01 08/25/22 16:14 • (MS) R3830679-7 08/25/22 16:38 • (MSD) R3830679-8 08/25/22 17:03

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	15500	75800	78000	121	125	1	80.0-120	J5	J5	2.86	20

Method Blank (MB)

(MB) R3828623-1 08/20/22 16:23

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

Laboratory Control Sample (LCS)

(LCS) R3828623-2 08/20/22 16:26

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	4940	98.7	80.0-120	
Manganese	50.0	49.8	99.5	80.0-120	

L1525008-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1525008-09 08/20/22 16:29 • (MS) R3828623-4 08/20/22 16:36 • (MSD) R3828623-5 08/20/22 16:39

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	23500	28500	29200	99.4	114	1	75.0-125			2.56	20
Manganese	50.0	9390	9490	9620	195	462	1	75.0-125	V	V	1.39	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3828666-2 08/20/22 06:27

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	95.6			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3828666-1 08/20/22 05:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5600	102	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			94.0	78.0-120	

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

Method Blank (MB)

(MB) R3827776-2 08/18/22 11:01

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

L1525054-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1525054-03 08/18/22 11:03 • (DUP) R3827776-3 08/18/22 12:44

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	21300	21800	10	2.32		20
Ethane	U	U	10	0.000		20
Ethene	U	U	10	0.000		20

L1525066-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1525066-01 08/18/22 13:00 • (DUP) R3827776-4 08/18/22 13:35

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	4.94	5.47	1	10.2		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) R3827776-1 08/18/22 10:58 • (LCSD) R3827776-5 08/18/22 13:37

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	66.5	67.2	98.1	99.1	85.0-115			1.05	20
Ethane	129	116	115	89.9	89.1	85.0-115			0.866	20
Ethene	127	117	116	92.1	91.3	85.0-115			0.858	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3828211-2 08/19/22 09:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

1 Cp

2 Tc

3 Ss

L1526028-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1526028-01 08/19/22 11:58 • (DUP) R3828211-3 08/19/22 12:01

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	4800	4810	1	0.208		20

4 Cn

5 Sr

6 Qc

L1526109-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1526109-08 08/19/22 13:05 • (DUP) R3828211-4 08/19/22 13:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	101	104	1	2.93		20

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3828211-1 08/19/22 09:27

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Methane	67.8	68.7	101	85.0-115	

Method Blank (MB)

(MB) R3828482-2 08/19/22 11:02

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3828482-2 08/19/22 11:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	106			75.0-131
(S) 4-Bromofluorobenzene	98.9			67.0-138
(S) 1,2-Dichloroethane-d4	90.8			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3828482-1 08/19/22 10:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetone	25.0	28.7	115	10.0-160	
Acrylonitrile	25.0	27.2	109	45.0-153	
Benzene	5.00	4.96	99.2	70.0-123	
Bromobenzene	5.00	5.01	100	73.0-121	
Bromodichloromethane	5.00	4.65	93.0	73.0-121	
Bromoform	5.00	4.54	90.8	64.0-132	
Bromomethane	5.00	3.60	72.0	56.0-147	
n-Butylbenzene	5.00	5.14	103	68.0-135	
sec-Butylbenzene	5.00	5.75	115	74.0-130	
tert-Butylbenzene	5.00	5.32	106	75.0-127	
Carbon tetrachloride	5.00	4.39	87.8	66.0-128	
Chlorobenzene	5.00	5.28	106	76.0-128	
Chlorodibromomethane	5.00	4.77	95.4	74.0-127	
Chloroethane	5.00	4.18	83.6	61.0-134	
Chloroform	5.00	4.60	92.0	72.0-123	
Chloromethane	5.00	3.05	61.0	51.0-138	
2-Chlorotoluene	5.00	5.36	107	75.0-124	
4-Chlorotoluene	5.00	5.32	106	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.26	85.2	59.0-130	
1,2-Dibromoethane	5.00	5.41	108	74.0-128	
Dibromomethane	5.00	4.86	97.2	75.0-122	
1,2-Dichlorobenzene	5.00	4.93	98.6	76.0-124	
1,3-Dichlorobenzene	5.00	5.54	111	76.0-125	
1,4-Dichlorobenzene	5.00	5.09	102	77.0-121	
Dichlorodifluoromethane	5.00	3.76	75.2	43.0-156	
1,1-Dichloroethane	5.00	5.03	101	70.0-127	
1,2-Dichloroethane	5.00	4.45	89.0	65.0-131	
1,1-Dichloroethene	5.00	5.04	101	65.0-131	
cis-1,2-Dichloroethene	5.00	4.68	93.6	73.0-125	
trans-1,2-Dichloroethene	5.00	4.74	94.8	71.0-125	
1,2-Dichloropropane	5.00	5.45	109	74.0-125	
1,1-Dichloropropene	5.00	5.07	101	73.0-125	
1,3-Dichloropropane	5.00	5.66	113	80.0-125	
cis-1,3-Dichloropropene	5.00	5.01	100	76.0-127	
trans-1,3-Dichloropropene	5.00	5.23	105	73.0-127	
2,2-Dichloropropane	5.00	4.64	92.8	59.0-135	
Di-isopropyl ether	5.00	4.81	96.2	60.0-136	
Ethylbenzene	5.00	5.10	102	74.0-126	
Hexachloro-1,3-butadiene	5.00	3.97	79.4	57.0-150	
Isopropylbenzene	5.00	5.00	100	72.0-127	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3828482-1 08/19/22 10:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
p-Isopropyltoluene	5.00	5.27	105	72.0-133	
2-Butanone (MEK)	25.0	28.1	112	30.0-160	
Methylene Chloride	5.00	5.15	103	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	27.8	111	56.0-143	
Methyl tert-butyl ether	5.00	4.51	90.2	66.0-132	
Naphthalene	5.00	4.94	98.8	59.0-130	
n-Propylbenzene	5.00	5.73	115	74.0-126	
Styrene	5.00	5.21	104	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.84	96.8	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	5.82	116	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.95	99.0	61.0-139	
Tetrachloroethene	5.00	4.90	98.0	70.0-136	
Toluene	5.00	5.29	106	75.0-121	
1,2,3-Trichlorobenzene	5.00	4.29	85.8	59.0-139	
1,2,4-Trichlorobenzene	5.00	4.62	92.4	62.0-137	
1,1,1-Trichloroethane	5.00	4.56	91.2	69.0-126	
1,1,2-Trichloroethane	5.00	5.31	106	78.0-123	
Trichloroethene	5.00	5.08	102	76.0-126	
Trichlorofluoromethane	5.00	3.96	79.2	61.0-142	
1,2,3-Trichloropropane	5.00	5.02	100	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.79	95.8	70.0-126	
1,2,3-Trimethylbenzene	5.00	5.12	102	74.0-124	
1,3,5-Trimethylbenzene	5.00	5.15	103	73.0-127	
Vinyl chloride	5.00	4.71	94.2	63.0-134	
Xylenes, Total	15.0	15.6	104	72.0-127	
Ethyl ether	5.00	5.06	101	64.0-137	
Tetrahydrofuran	5.00	5.14	103	37.0-146	
Iodomethane	25.0	22.3	89.2	74.0-134	
Allyl chloride	25.0	27.3	109	70.0-131	
trans-1,4-Dichloro-2-butene	5.00	5.49	110	45.0-143	
(S) Toluene-d8			109	75.0-131	
(S) 4-Bromofluorobenzene			99.1	67.0-138	
(S) 1,2-Dichloroethane-d4			91.9	70.0-130	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

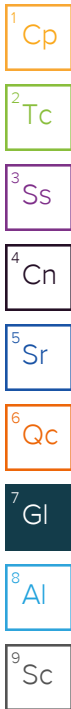
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
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.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low 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.
V	The sample concentration is too high to evaluate accurate spike recoveries.



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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr


⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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>2</u>
--	--	--	--	-------------	-------------------------------------	--	--	--	--	--	--

Report to: Brian O'Neal/Bill Haldeman		Email To: Shannon.McKernan@nv5.com;brian.oneal@nv5		City/State Collected: Seattle, WA		Please Circle: PT MT CT ET		 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		Client Project # 1413.001.10.701 TASK		Lab Project # PESENVSWA-ALP		Phone: 206-529-3980		SDG # 1525066 J093		
Collected by (print): <i>Natale Wisdom</i>		Site/Facility ID #		P.O. # 443018-1413001.05.601		Collected by (signature): <i>Natale Wisdom</i>		Accnum: PESENVSWA Template: T213317 Prelogin: P939358 PM: 546 - Jared Starkey PB:		
Rush? (Lab MUST Be Notified)		Date Results Needed		Quote #		No. of Cntrs		Shipped Via: Remarks Sample # (lab only)		

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK 125mlHDPE-NoPres	CHLORIDE,NITRATE 125mlHDPE-NoPres	FEG,MING 250mlHDPE-HNO3	NWTPHGX 40mlAmb-HCI	RSK175LL 40mlAmb-HCI	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCI	V8260ULLC 40mlAmb-HCI	Remarks	Sample # (lab only)
EQ-081222	Grab	GW		8/12/22	1450	11	X	X	X	X	X	X	X	X		-01
MW102-081222		GW			1332	8			X		X	X	X	X		-02
MW-976-081222		GW			0800	11	X	X	X	X	X	X	X	X		-03
MW-301-081222		GW			0957	11	X	X	X	X	X	X	X	X		-04
MW-158A-081222		GW			1203	8			X		X	X	X	X		-05
W-MW-01-081222		GW			1011	8			X		X	X	X	X		-06
MW-325-081122		GW		8/11/22	1012	3								X		-07
MW-174-081122		GW			1025	3								X		-08
MW-175-081122		GW			1330	3								X		-09
MW-173-081122		GW			1005	3								X		-10

* 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: <input checked="" type="checkbox"/> NP COC Signed/Accurate: <input checked="" type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> N If Applicable VOA Zero Headspace: <input checked="" type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> N
Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	Tracking #			

Relinquished by: (Signature) <i>Natale Wisdom</i>	Date: 8/12/22	Time: 1742	Received by: (Signature)	Trip Blank Received: <input checked="" type="checkbox"/> Yes / No HCL / MeqH TBR <input checked="" type="checkbox"/>	Bottles Received:	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: MMP°C 5.5 + 0 = 5.5 °C		
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>Jared Starkey</i>	Date: 8/13/22	Time: 09:00	Hold: Condition: NCF / OK

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

Analysis / Container / Preservative



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
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Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State Collected:

Please Circle:
 PT MT CT ET

Phone: **206-529-3980**

Client Project #
1413.001.10.701 TASK

Lab Project #
PESENVSWA-ALP

Collected by (print):
NW

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):
onw

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

Trip Blank		GW		8/12/22		2
		GW				
		GW				
		GW				
		GW				
		GW				
		GW				
		GW				
		GW				
		GW				

ALK 125mlHDPE-NoPres	CHLORIDE,NITRATE 125mlHDPE-NoPres	FEG,MNG 250mlHDPE-HNO3	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl
			X				X

SDG # **1525066**

Table #

Acctnum: **PESENVSWA**

Template: **T213317**

Prelogin: **P939358**

PM: **546 - Jared Starkey**

PB:

Shipped Via:

Remarks | Sample # (lab only)

-11

-12

-13

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
 ___ UPS ___ FedEx ___ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	<input checked="" type="checkbox"/>	N
COC Signed/Accurate:		<input checked="" type="checkbox"/>	N
Bottles arrive intact:		<input checked="" type="checkbox"/>	N
Correct bottles used:		<input checked="" type="checkbox"/>	N
Sufficient volume sent:		<input checked="" type="checkbox"/>	N
If Applicable			
VOA Zero Headspace:		<input checked="" type="checkbox"/>	N
Preservation Correct/Checked:		<input checked="" type="checkbox"/>	N
RAD Screen <0.5 mR/hr:		<input checked="" type="checkbox"/>	N

Relinquished by: (Signature)
Motela Wesler

Date:
8/12/22

Time:
1742

Received by: (Signature)

Trip Blank Received: Yes No
 HCL MeOH TBR **2**

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: **MMA°C**
55+0=55 Bottles Received: **68**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)
Jared Starkey

Date: **8/13/22** Time: **09:00**

Hold:

Condition:
 NCF / OK

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

Analysis / Container / Preservative
 Pres Chk
 C2

Chain of Custody Page 1 of 2

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State Collected:
Seattle, WA

Please Circle:
 PT MT CT ET

Phone: **206-529-3980**

Client Project #
1413.001.10.701 TASK

Lab Project #
PESENVSWA-ALP

Collected by (print):
Natalie Wisdom

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):
Natalie Wisdom

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK 125mlHDPE-NoPres	CHLORIDE,NITRATE 125mlHDPE-NoPres	FEG.MNG 250mlHDPE-HNO3	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl
EQ-081222	Grab	GW		8/12/22	1450	11	X	X	X	X	X	X	X	X
MW102-081222	↓	GW			1332	8			X	X	X	X	X	X
MW-976-081222	↓	GW			0800	11	X	X	X	X	X	X	X	X
MW-301-081222	↓	GW			0957	11	X	X	X	X	X	X	X	X
MW-158A-081222	↓	GW			1203	8			X	X	X	X	X	X
W-MW-01-081222	↓	GW			1011	8			X	X	X	X	X	X
MW-325-081122	↓	GW		8/11/22	1012	3							X	X
MW-174-081122	↓	GW			1025	3							X	X
MW-175-081122	↓	GW			1330	3							X	X
MW-173-081122	↓	GW			1005	3							X	X

Pace
 PEOPLE ADVANCING SCIENCE
MT JULIET, TN
 12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # **1525066**
J093

Acctnum: **PESENVSWA**
 Template: **T213317**
 Prelogin: **P939358**
 PM: **546 - Jared Starkey**
 PB:

Shipped Via:
 Remarks Sample # (lab only)

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 ___ UPS ___ FedEx ___ Courier

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact: N
 COC Signed/Accurate: N
 Bottles arrive intact: N
 Correct bottles used: N
 Sufficient volume sent: N
 If Applicable
 VOA Zero Headspace: N
 Preservation Correct/Checked: N
 RAD Screen <0.5 mR/hr: N

Relinquished by: (Signature)
Natalie Wisdom

Date: **8/12/22** Time: **1742**

Received by: (Signature)

Trip Blank Received: Yes / No
 HCl / MeOH
 TBR **Z**

Relinquished by: (Signature)

Date: Time:

Received by: (Signature)

Temp: **MMA7C** Bottles Received:
5.5 + 0 = 5.5 GB

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: Time:

Received for lab by: (Signature)
Jared Starkey

Date: **8/13/22** Time: **09:00**

Hold: Condition: **NCF / OK**

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

Analysis / Container / Preservative
 Chain of Custody Page 1 of 2
 Pres Chk

Report to:
 Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
 American Linen

City/State Collected:
 Please Circle:
 PT MT CT ET

Phone: 206-529-3980

Client Project #
 1413.001.10.701 TASK

Lab Project #
 PESENVSWA-ALP

Collected by (print):
 NW

Site/Facility ID #

P.O. #
 443018-1413001.05.601

Collected by (signature):
 onw
 Immediately Packed on Ice N Y

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

Trip Blank		GW		8/12/22		2
MW-326-081122	Grab	GW		8/11/22	0936	3
MW-176-081122	Grab	GW		8/11/22	1400	3
		GW				
		GW				
		GW				
		GW				
		GW				
		GW				

ALK 125mlHDPE-NoPres	CHLORIDE,NITRATE 125mlHDPE-NoPres	FEG,MNG 250mlHDPE-HNO3	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl
			X				X

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MT JULIET, TN
 12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # 1925066

Table #

Acctnum: PESENVSWA
 Template: T213317
 Prelogin: P939358
 PM: 546 - Jared Starkey
 PB:

Shipped Via:

Remarks	Sample # (lab only)
	-11
	512
	-13

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
 Updates per SEM 8/15/22.

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 UPS FedEx Courier

Tracking #

Sample Receipt Checklist

CDC Seal Present/Intact:	NP	<input checked="" type="checkbox"/>	N
CDC Signed/Accurate:		<input checked="" type="checkbox"/>	N
Bottles arrive intact:		<input checked="" type="checkbox"/>	N
Correct bottles used:		<input checked="" type="checkbox"/>	N
Sufficient volume sent:		<input checked="" type="checkbox"/>	N
If Applicable			
VOA Zero Headspace:		<input checked="" type="checkbox"/>	N
Preservation Correct/Checked:		<input checked="" type="checkbox"/>	N
RAD Screen <0.5 mR/hr:		<input checked="" type="checkbox"/>	N

Relinquished by: (Signature)
 Motela Wesler

Date: 8/12/22
 Time: 1742

Received by: (Signature)

Trip Blank Received: No
 HCL/MeOH
 TBR 2

Relinquished by: (Signature)

Date:
 Time:

Received by: (Signature)

Temp: MMAK
 55 ± 0 = 5.5 68

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:
 Time:

Received for lab by: (Signature)
 J. B. Starkey

Date: 8/13/22
 Time: 09:00

Hold:

Condition:
 NCF / OK

PES Environmental, Inc.- WA

Sample Delivery Group: L1525285
Samples Received: 08/15/2022
Project Number: 1413.001.10.701 TASK
Description: American Linen

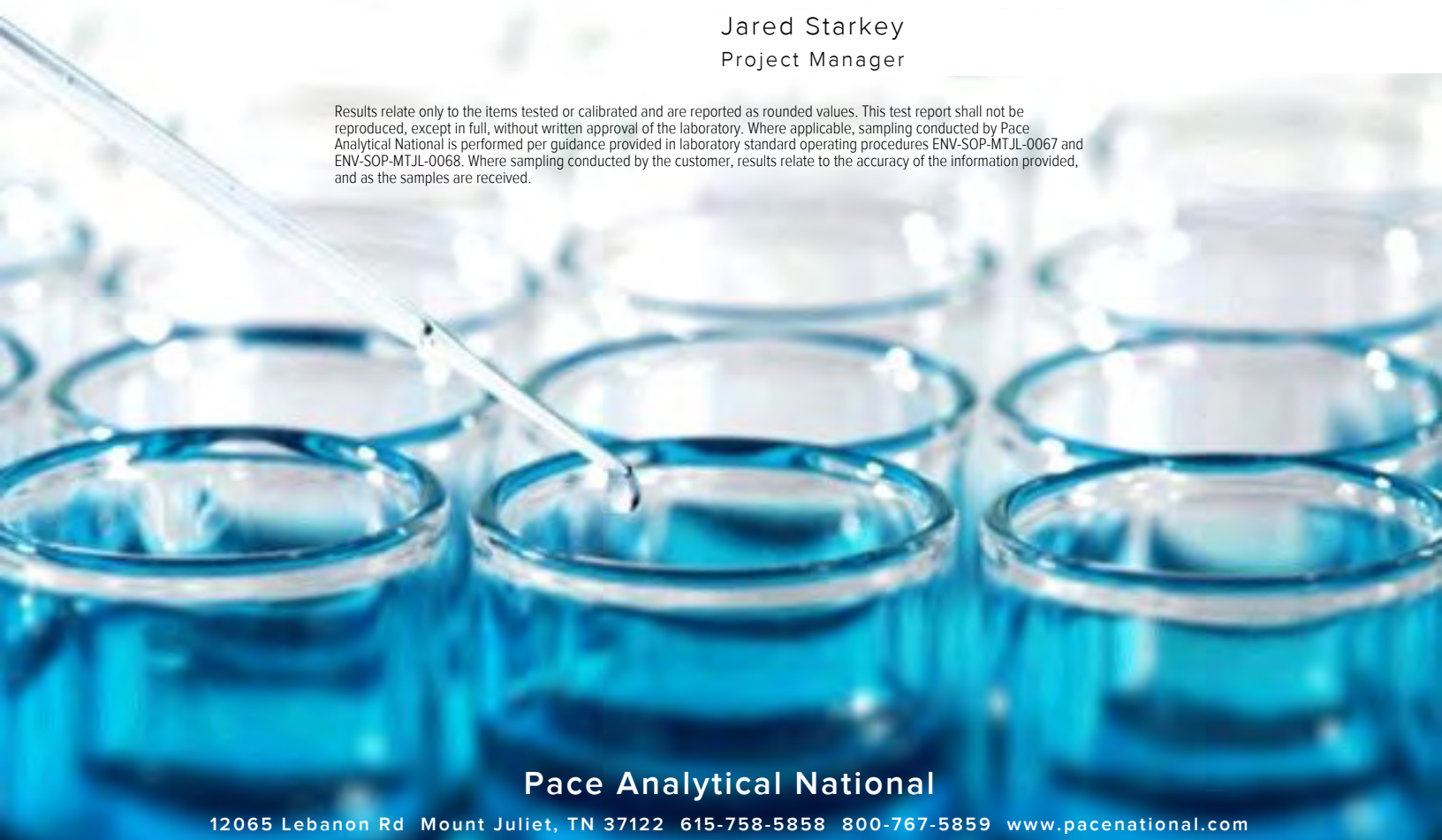
Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

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.

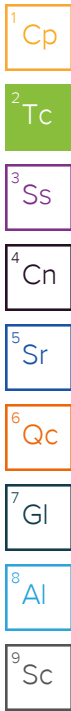


Pace Analytical National

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

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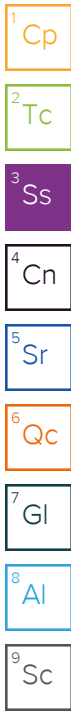


SAMPLE SUMMARY

MW-161-081222 L1525285-01 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/12/22 10:35
 Received date/time: 08/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1911500	1	08/17/22 19:27	08/17/22 19:27	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911948	1	08/25/22 18:16	08/25/22 18:16	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1912645	1	08/19/22 14:48	08/19/22 18:03	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1913045	1	08/19/22 09:41	08/19/22 09:41	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913607	1	08/20/22 00:41	08/20/22 00:41	JHH	Mt. Juliet, TN



FMW-129-081222 L1525285-02 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/12/22 09:01
 Received date/time: 08/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1911500	1	08/18/22 10:01	08/18/22 10:01	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911948	1	08/25/22 18:30	08/25/22 18:30	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1912645	1	08/19/22 14:48	08/19/22 18:26	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1913045	1	08/19/22 09:45	08/19/22 09:45	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1915883	1	08/24/22 14:50	08/24/22 14:50	JHH	Mt. Juliet, TN

MW-189-081122 L1525285-03 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/11/22 12:56
 Received date/time: 08/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1911500	1	08/17/22 20:56	08/17/22 20:56	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911948	1	08/25/22 18:51	08/25/22 18:51	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1912645	1	08/19/22 14:48	08/19/22 18:36	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1911872	1	08/17/22 09:47	08/17/22 09:47	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913607	1	08/20/22 01:01	08/20/22 01:01	JHH	Mt. Juliet, TN

MW-190-081122 L1525285-04 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/11/22 13:40
 Received date/time: 08/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1911500	1	08/17/22 21:14	08/17/22 21:14	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911948	1	08/25/22 19:07	08/25/22 19:07	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1912645	1	08/19/22 14:48	08/19/22 18:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1911872	1	08/17/22 09:51	08/17/22 09:51	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913607	1	08/20/22 01:20	08/20/22 01:20	JHH	Mt. Juliet, TN

MW119-081122 L1525285-05 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/11/22 11:36
 Received date/time: 08/15/22 09:00

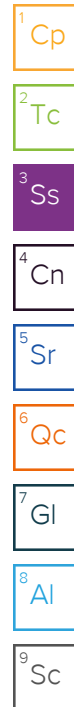
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1911500	1	08/17/22 21:32	08/17/22 21:32	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911948	1	08/25/22 19:23	08/25/22 19:23	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1912645	1	08/19/22 14:48	08/19/22 18:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1911872	1	08/17/22 09:58	08/17/22 09:58	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913607	1	08/20/22 01:40	08/20/22 01:40	JHH	Mt. Juliet, TN

SAMPLE SUMMARY

MW110-081122 L1525285-06 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/11/22 08:54
 Received date/time: 08/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1911500	1	08/17/22 22:26	08/17/22 22:26	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911948	1	08/25/22 19:38	08/25/22 19:38	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1912645	1	08/19/22 14:48	08/19/22 18:46	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1911872	1	08/17/22 10:02	08/17/22 10:02	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1912411	10	08/18/22 13:29	08/18/22 13:29	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913607	25	08/20/22 05:14	08/20/22 05:14	JHH	Mt. Juliet, TN



MW-977-081222 L1525285-07 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/12/22 12:00
 Received date/time: 08/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1911500	1	08/17/22 22:44	08/17/22 22:44	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911948	1	08/25/22 19:53	08/25/22 19:53	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1912645	1	08/19/22 14:48	08/19/22 18:49	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1913045	1	08/19/22 09:50	08/19/22 09:50	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1913121	10	08/19/22 14:28	08/19/22 14:28	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1915883	1	08/24/22 15:08	08/24/22 15:08	JHH	Mt. Juliet, TN

MW-160-081222 L1525285-08 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/12/22 09:10
 Received date/time: 08/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1911500	1	08/17/22 23:02	08/17/22 23:02	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1911948	1	08/25/22 20:07	08/25/22 20:07	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1912645	1	08/19/22 14:48	08/19/22 18:53	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1913045	1	08/19/22 09:55	08/19/22 09:55	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913607	1	08/20/22 01:59	08/20/22 01:59	JHH	Mt. Juliet, TN

MW-143-081222 L1525285-09 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/12/22 11:03
 Received date/time: 08/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1911500	1	08/17/22 23:20	08/17/22 23:20	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1913003	1	08/25/22 00:44	08/25/22 00:44	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1912645	1	08/19/22 14:48	08/19/22 18:56	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1913045	1	08/19/22 11:09	08/19/22 11:09	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1913121	10	08/19/22 14:30	08/19/22 14:30	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1915883	20	08/24/22 15:27	08/24/22 15:27	JHH	Mt. Juliet, TN

TB1-081222 L1525285-10 GW

Collected by: Natalie Wisdom
 Collected date/time: 08/12/22 00:00
 Received date/time: 08/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1913607	1	08/19/22 23:43	08/19/22 23:43	JHH	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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	8820		594	5000	1	08/17/2022 19:27	WG1911500

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)	1650	<u>B</u>	102	1000	1	08/25/2022 18:16	WG1911948

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1200		28.1	100	1	08/19/2022 18:03	WG1912645
Manganese	634		0.704	5.00	1	08/19/2022 18:03	WG1912645

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	197		0.287	0.678	1	08/19/2022 09:41	WG1913045
Ethane	0.706	<u>J</u>	0.296	1.29	1	08/19/2022 09:41	WG1913045
Ethene	0.880	<u>J</u>	0.422	1.27	1	08/19/2022 09:41	WG1913045

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	2.76		0.548	1.00	1	08/20/2022 00:41	WG1913607
Acrylonitrile	U		0.0760	0.500	1	08/20/2022 00:41	WG1913607
Benzene	U		0.0160	0.0400	1	08/20/2022 00:41	WG1913607
Bromobenzene	U		0.0420	0.500	1	08/20/2022 00:41	WG1913607
Bromodichloromethane	U		0.0315	0.100	1	08/20/2022 00:41	WG1913607
Bromoform	U	<u>C3</u>	0.239	1.00	1	08/20/2022 00:41	WG1913607
Bromomethane	U		0.148	0.500	1	08/20/2022 00:41	WG1913607
n-Butylbenzene	U		0.153	0.500	1	08/20/2022 00:41	WG1913607
sec-Butylbenzene	U		0.101	0.500	1	08/20/2022 00:41	WG1913607
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2022 00:41	WG1913607
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2022 00:41	WG1913607
Chlorobenzene	U		0.0229	0.100	1	08/20/2022 00:41	WG1913607
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2022 00:41	WG1913607
Chloroethane	0.332		0.0432	0.200	1	08/20/2022 00:41	WG1913607
Chloroform	U		0.0166	0.100	1	08/20/2022 00:41	WG1913607
Chloromethane	U		0.0556	0.500	1	08/20/2022 00:41	WG1913607
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2022 00:41	WG1913607
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2022 00:41	WG1913607
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2022 00:41	WG1913607
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2022 00:41	WG1913607
Dibromomethane	U		0.0400	0.200	1	08/20/2022 00:41	WG1913607
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2022 00:41	WG1913607
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2022 00:41	WG1913607
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2022 00:41	WG1913607
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2022 00:41	WG1913607
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2022 00:41	WG1913607
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2022 00:41	WG1913607
1,1-Dichloroethene	1.50		0.0200	0.100	1	08/20/2022 00:41	WG1913607
cis-1,2-Dichloroethene	28.5		0.0276	0.100	1	08/20/2022 00:41	WG1913607
trans-1,2-Dichloroethene	0.395		0.0572	0.200	1	08/20/2022 00:41	WG1913607
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2022 00:41	WG1913607



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	08/20/2022 00:41	WG1913607
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2022 00:41	WG1913607
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2022 00:41	WG1913607
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2022 00:41	WG1913607
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2022 00:41	WG1913607
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2022 00:41	WG1913607
Ethylbenzene	U		0.0212	0.100	1	08/20/2022 00:41	WG1913607
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2022 00:41	WG1913607
Isopropylbenzene	U		0.0345	0.100	1	08/20/2022 00:41	WG1913607
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2022 00:41	WG1913607
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2022 00:41	WG1913607
Methylene Chloride	U		0.265	1.00	1	08/20/2022 00:41	WG1913607
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2022 00:41	WG1913607
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2022 00:41	WG1913607
Naphthalene	U		0.124	0.500	1	08/20/2022 00:41	WG1913607
n-Propylbenzene	U		0.0472	0.200	1	08/20/2022 00:41	WG1913607
Styrene	U	C3	0.109	0.500	1	08/20/2022 00:41	WG1913607
1,1,1,2-Tetrachloroethane	U	C3	0.0200	0.100	1	08/20/2022 00:41	WG1913607
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2022 00:41	WG1913607
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2022 00:41	WG1913607
Tetrachloroethene	1.32		0.0280	0.100	1	08/20/2022 00:41	WG1913607
Toluene	U		0.0500	0.200	1	08/20/2022 00:41	WG1913607
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/20/2022 00:41	WG1913607
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2022 00:41	WG1913607
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2022 00:41	WG1913607
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2022 00:41	WG1913607
Trichloroethene	7.14		0.0160	0.0400	1	08/20/2022 00:41	WG1913607
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2022 00:41	WG1913607
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2022 00:41	WG1913607
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2022 00:41	WG1913607
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2022 00:41	WG1913607
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2022 00:41	WG1913607
Vinyl chloride	2.54		0.0273	0.100	1	08/20/2022 00:41	WG1913607
Xylenes, Total	U		0.191	0.260	1	08/20/2022 00:41	WG1913607
Ethyl Ether	U		0.0170	0.100	1	08/20/2022 00:41	WG1913607
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2022 00:41	WG1913607
Iodomethane	U		0.242	0.500	1	08/20/2022 00:41	WG1913607
Allyl chloride	U		0.580	1.00	1	08/20/2022 00:41	WG1913607
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/20/2022 00:41	WG1913607
(S) Toluene-d8	94.9			75.0-131		08/20/2022 00:41	WG1913607
(S) 4-Bromofluorobenzene	95.4			67.0-138		08/20/2022 00:41	WG1913607
(S) 1,2-Dichloroethane-d4	113			70.0-130		08/20/2022 00:41	WG1913607

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	4840	J	594	5000	1	08/18/2022 10:01	WG1911500

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)	1190	B	102	1000	1	08/25/2022 18:30	WG1911948

Metals (ICPMS) by Method 6020B

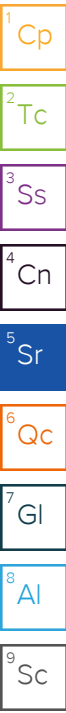
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	76.3	J	28.1	100	1	08/19/2022 18:26	WG1912645
Manganese	14.0		0.704	5.00	1	08/19/2022 18:26	WG1912645

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6.68		0.287	0.678	1	08/19/2022 09:45	WG1913045
Ethane	0.517	J	0.296	1.29	1	08/19/2022 09:45	WG1913045
Ethene	U		0.422	1.27	1	08/19/2022 09:45	WG1913045

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	8.09		0.548	1.00	1	08/24/2022 14:50	WG1915883
Acrylonitrile	U		0.0760	0.500	1	08/24/2022 14:50	WG1915883
Benzene	0.0250	J	0.0160	0.0400	1	08/24/2022 14:50	WG1915883
Bromobenzene	U		0.0420	0.500	1	08/24/2022 14:50	WG1915883
Bromodichloromethane	U		0.0315	0.100	1	08/24/2022 14:50	WG1915883
Bromoform	U		0.239	1.00	1	08/24/2022 14:50	WG1915883
Bromomethane	U		0.148	0.500	1	08/24/2022 14:50	WG1915883
n-Butylbenzene	U		0.153	0.500	1	08/24/2022 14:50	WG1915883
sec-Butylbenzene	U		0.101	0.500	1	08/24/2022 14:50	WG1915883
tert-Butylbenzene	U		0.0620	0.200	1	08/24/2022 14:50	WG1915883
Carbon tetrachloride	U		0.0432	0.200	1	08/24/2022 14:50	WG1915883
Chlorobenzene	U		0.0229	0.100	1	08/24/2022 14:50	WG1915883
Chlorodibromomethane	U		0.0180	0.100	1	08/24/2022 14:50	WG1915883
Chloroethane	U		0.0432	0.200	1	08/24/2022 14:50	WG1915883
Chloroform	U		0.0166	0.100	1	08/24/2022 14:50	WG1915883
Chloromethane	U		0.0556	0.500	1	08/24/2022 14:50	WG1915883
2-Chlorotoluene	U		0.0368	0.100	1	08/24/2022 14:50	WG1915883
4-Chlorotoluene	U		0.0452	0.200	1	08/24/2022 14:50	WG1915883
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/24/2022 14:50	WG1915883
1,2-Dibromoethane	U		0.0210	0.100	1	08/24/2022 14:50	WG1915883
Dibromomethane	U		0.0400	0.200	1	08/24/2022 14:50	WG1915883
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/24/2022 14:50	WG1915883
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/24/2022 14:50	WG1915883
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/24/2022 14:50	WG1915883
Dichlorodifluoromethane	U		0.0327	0.100	1	08/24/2022 14:50	WG1915883
1,1-Dichloroethane	U		0.0230	0.100	1	08/24/2022 14:50	WG1915883
1,2-Dichloroethane	0.0360	J	0.0190	0.100	1	08/24/2022 14:50	WG1915883
1,1-Dichloroethene	U		0.0200	0.100	1	08/24/2022 14:50	WG1915883
cis-1,2-Dichloroethene	14.4		0.0276	0.100	1	08/24/2022 14:50	WG1915883
trans-1,2-Dichloroethene	0.0960	J	0.0572	0.200	1	08/24/2022 14:50	WG1915883
1,2-Dichloropropane	U		0.0508	0.200	1	08/24/2022 14:50	WG1915883



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	08/24/2022 14:50	WG1915883
1,3-Dichloropropane	U		0.0700	0.200	1	08/24/2022 14:50	WG1915883
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/24/2022 14:50	WG1915883
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/24/2022 14:50	WG1915883
2,2-Dichloropropane	U		0.0317	0.100	1	08/24/2022 14:50	WG1915883
Di-isopropyl ether	U		0.0140	0.0400	1	08/24/2022 14:50	WG1915883
Ethylbenzene	0.0350	U	0.0212	0.100	1	08/24/2022 14:50	WG1915883
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/24/2022 14:50	WG1915883
Isopropylbenzene	U		0.0345	0.100	1	08/24/2022 14:50	WG1915883
p-Isopropyltoluene	U		0.0932	0.200	1	08/24/2022 14:50	WG1915883
2-Butanone (MEK)	U		0.500	1.00	1	08/24/2022 14:50	WG1915883
Methylene Chloride	U		0.265	1.00	1	08/24/2022 14:50	WG1915883
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/24/2022 14:50	WG1915883
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/24/2022 14:50	WG1915883
Naphthalene	U		0.124	0.500	1	08/24/2022 14:50	WG1915883
n-Propylbenzene	U		0.0472	0.200	1	08/24/2022 14:50	WG1915883
Styrene	U		0.109	0.500	1	08/24/2022 14:50	WG1915883
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/24/2022 14:50	WG1915883
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/24/2022 14:50	WG1915883
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/24/2022 14:50	WG1915883
Tetrachloroethene	1.40		0.0280	0.100	1	08/24/2022 14:50	WG1915883
Toluene	0.0680	U	0.0500	0.200	1	08/24/2022 14:50	WG1915883
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/24/2022 14:50	WG1915883
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/24/2022 14:50	WG1915883
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/24/2022 14:50	WG1915883
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/24/2022 14:50	WG1915883
Trichloroethene	3.45		0.0160	0.0400	1	08/24/2022 14:50	WG1915883
Trichlorofluoromethane	U		0.0200	0.100	1	08/24/2022 14:50	WG1915883
1,2,3-Trichloropropane	U		0.204	0.500	1	08/24/2022 14:50	WG1915883
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/24/2022 14:50	WG1915883
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/24/2022 14:50	WG1915883
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/24/2022 14:50	WG1915883
Vinyl chloride	U		0.0273	0.100	1	08/24/2022 14:50	WG1915883
Xylenes, Total	U		0.191	0.260	1	08/24/2022 14:50	WG1915883
Ethyl Ether	U		0.0170	0.100	1	08/24/2022 14:50	WG1915883
Tetrahydrofuran	0.748		0.0900	0.500	1	08/24/2022 14:50	WG1915883
Iodomethane	U		0.242	0.500	1	08/24/2022 14:50	WG1915883
Allyl chloride	U		0.580	1.00	1	08/24/2022 14:50	WG1915883
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/24/2022 14:50	WG1915883
(S) Toluene-d8	111			75.0-131		08/24/2022 14:50	WG1915883
(S) 4-Bromofluorobenzene	104			67.0-138		08/24/2022 14:50	WG1915883
(S) 1,2-Dichloroethane-d4	82.3			70.0-130		08/24/2022 14:50	WG1915883

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	49400		594	5000	1	08/17/2022 20:56	WG1911500

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)	6770		102	1000	1	08/25/2022 18:51	WG1911948

Metals (ICPMS) by Method 6020B

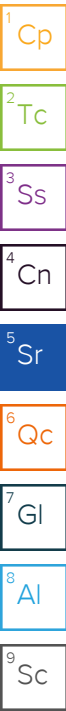
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2470		28.1	100	1	08/19/2022 18:36	WG1912645
Manganese	1220		0.704	5.00	1	08/19/2022 18:36	WG1912645

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3510		0.287	0.678	1	08/17/2022 09:47	WG1911872
Ethane	7.03		0.296	1.29	1	08/17/2022 09:47	WG1911872
Ethene	47.5		0.422	1.27	1	08/17/2022 09:47	WG1911872

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	7.16		0.548	1.00	1	08/20/2022 01:01	WG1913607
Acrylonitrile	U		0.0760	0.500	1	08/20/2022 01:01	WG1913607
Benzene	U		0.0160	0.0400	1	08/20/2022 01:01	WG1913607
Bromobenzene	U		0.0420	0.500	1	08/20/2022 01:01	WG1913607
Bromodichloromethane	U		0.0315	0.100	1	08/20/2022 01:01	WG1913607
Bromoform	U	C3	0.239	1.00	1	08/20/2022 01:01	WG1913607
Bromomethane	U		0.148	0.500	1	08/20/2022 01:01	WG1913607
n-Butylbenzene	U		0.153	0.500	1	08/20/2022 01:01	WG1913607
sec-Butylbenzene	U		0.101	0.500	1	08/20/2022 01:01	WG1913607
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2022 01:01	WG1913607
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2022 01:01	WG1913607
Chlorobenzene	U		0.0229	0.100	1	08/20/2022 01:01	WG1913607
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2022 01:01	WG1913607
Chloroethane	0.936		0.0432	0.200	1	08/20/2022 01:01	WG1913607
Chloroform	0.0530	J	0.0166	0.100	1	08/20/2022 01:01	WG1913607
Chloromethane	U		0.0556	0.500	1	08/20/2022 01:01	WG1913607
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2022 01:01	WG1913607
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2022 01:01	WG1913607
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2022 01:01	WG1913607
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2022 01:01	WG1913607
Dibromomethane	U		0.0400	0.200	1	08/20/2022 01:01	WG1913607
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2022 01:01	WG1913607
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2022 01:01	WG1913607
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2022 01:01	WG1913607
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2022 01:01	WG1913607
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2022 01:01	WG1913607
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2022 01:01	WG1913607
1,1-Dichloroethene	U		0.0200	0.100	1	08/20/2022 01:01	WG1913607
cis-1,2-Dichloroethene	4.10		0.0276	0.100	1	08/20/2022 01:01	WG1913607
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/20/2022 01:01	WG1913607
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2022 01:01	WG1913607



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	08/20/2022 01:01	WG1913607
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2022 01:01	WG1913607
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2022 01:01	WG1913607
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2022 01:01	WG1913607
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2022 01:01	WG1913607
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2022 01:01	WG1913607
Ethylbenzene	U		0.0212	0.100	1	08/20/2022 01:01	WG1913607
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2022 01:01	WG1913607
Isopropylbenzene	U		0.0345	0.100	1	08/20/2022 01:01	WG1913607
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2022 01:01	WG1913607
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2022 01:01	WG1913607
Methylene Chloride	U		0.265	1.00	1	08/20/2022 01:01	WG1913607
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2022 01:01	WG1913607
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2022 01:01	WG1913607
Naphthalene	U		0.124	0.500	1	08/20/2022 01:01	WG1913607
n-Propylbenzene	U		0.0472	0.200	1	08/20/2022 01:01	WG1913607
Styrene	U	C3	0.109	0.500	1	08/20/2022 01:01	WG1913607
1,1,1,2-Tetrachloroethane	U	C3	0.0200	0.100	1	08/20/2022 01:01	WG1913607
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2022 01:01	WG1913607
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2022 01:01	WG1913607
Tetrachloroethene	1.66		0.0280	0.100	1	08/20/2022 01:01	WG1913607
Toluene	0.0780	U	0.0500	0.200	1	08/20/2022 01:01	WG1913607
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/20/2022 01:01	WG1913607
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2022 01:01	WG1913607
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2022 01:01	WG1913607
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2022 01:01	WG1913607
Trichloroethene	0.544		0.0160	0.0400	1	08/20/2022 01:01	WG1913607
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2022 01:01	WG1913607
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2022 01:01	WG1913607
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2022 01:01	WG1913607
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2022 01:01	WG1913607
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2022 01:01	WG1913607
Vinyl chloride	31.8		0.0273	0.100	1	08/20/2022 01:01	WG1913607
Xylenes, Total	U		0.191	0.260	1	08/20/2022 01:01	WG1913607
Ethyl Ether	U		0.0170	0.100	1	08/20/2022 01:01	WG1913607
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2022 01:01	WG1913607
Iodomethane	U		0.242	0.500	1	08/20/2022 01:01	WG1913607
Allyl chloride	U		0.580	1.00	1	08/20/2022 01:01	WG1913607
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/20/2022 01:01	WG1913607
(S) Toluene-d8	94.8			75.0-131		08/20/2022 01:01	WG1913607
(S) 4-Bromofluorobenzene	92.2			67.0-138		08/20/2022 01:01	WG1913607
(S) 1,2-Dichloroethane-d4	112			70.0-130		08/20/2022 01:01	WG1913607

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	Batch
Sulfate	43600		594	5000	1	08/17/2022 21:14	WG1911500

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
TOC (Total Organic Carbon)	4600		102	1000	1	08/25/2022 19:07	WG1911948

Metals (ICPMS) by Method 6020B

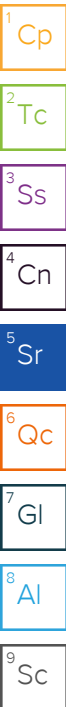
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Iron	1660		28.1	100	1	08/19/2022 18:39	WG1912645
Manganese	767		0.704	5.00	1	08/19/2022 18:39	WG1912645

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Methane	3010		0.287	0.678	1	08/17/2022 09:51	WG1911872
Ethane	3.75		0.296	1.29	1	08/17/2022 09:51	WG1911872
Ethene	10.4		0.422	1.27	1	08/17/2022 09:51	WG1911872

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Acetone	10.9		0.548	1.00	1	08/20/2022 01:20	WG1913607
Acrylonitrile	U		0.0760	0.500	1	08/20/2022 01:20	WG1913607
Benzene	U		0.0160	0.0400	1	08/20/2022 01:20	WG1913607
Bromobenzene	U		0.0420	0.500	1	08/20/2022 01:20	WG1913607
Bromodichloromethane	U		0.0315	0.100	1	08/20/2022 01:20	WG1913607
Bromoform	U	C3	0.239	1.00	1	08/20/2022 01:20	WG1913607
Bromomethane	U		0.148	0.500	1	08/20/2022 01:20	WG1913607
n-Butylbenzene	U		0.153	0.500	1	08/20/2022 01:20	WG1913607
sec-Butylbenzene	U		0.101	0.500	1	08/20/2022 01:20	WG1913607
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2022 01:20	WG1913607
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2022 01:20	WG1913607
Chlorobenzene	U		0.0229	0.100	1	08/20/2022 01:20	WG1913607
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2022 01:20	WG1913607
Chloroethane	0.630		0.0432	0.200	1	08/20/2022 01:20	WG1913607
Chloroform	U		0.0166	0.100	1	08/20/2022 01:20	WG1913607
Chloromethane	U		0.0556	0.500	1	08/20/2022 01:20	WG1913607
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2022 01:20	WG1913607
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2022 01:20	WG1913607
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2022 01:20	WG1913607
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2022 01:20	WG1913607
Dibromomethane	U		0.0400	0.200	1	08/20/2022 01:20	WG1913607
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2022 01:20	WG1913607
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2022 01:20	WG1913607
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2022 01:20	WG1913607
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2022 01:20	WG1913607
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2022 01:20	WG1913607
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2022 01:20	WG1913607
1,1-Dichloroethene	0.0820	J	0.0200	0.100	1	08/20/2022 01:20	WG1913607
cis-1,2-Dichloroethene	37.8		0.0276	0.100	1	08/20/2022 01:20	WG1913607
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/20/2022 01:20	WG1913607
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2022 01:20	WG1913607



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	08/20/2022 01:20	WG1913607
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2022 01:20	WG1913607
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2022 01:20	WG1913607
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2022 01:20	WG1913607
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2022 01:20	WG1913607
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2022 01:20	WG1913607
Ethylbenzene	U		0.0212	0.100	1	08/20/2022 01:20	WG1913607
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2022 01:20	WG1913607
Isopropylbenzene	U		0.0345	0.100	1	08/20/2022 01:20	WG1913607
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2022 01:20	WG1913607
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2022 01:20	WG1913607
Methylene Chloride	U		0.265	1.00	1	08/20/2022 01:20	WG1913607
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2022 01:20	WG1913607
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2022 01:20	WG1913607
Naphthalene	U		0.124	0.500	1	08/20/2022 01:20	WG1913607
n-Propylbenzene	U		0.0472	0.200	1	08/20/2022 01:20	WG1913607
Styrene	U	C3	0.109	0.500	1	08/20/2022 01:20	WG1913607
1,1,1,2-Tetrachloroethane	U	C3	0.0200	0.100	1	08/20/2022 01:20	WG1913607
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2022 01:20	WG1913607
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2022 01:20	WG1913607
Tetrachloroethene	0.982		0.0280	0.100	1	08/20/2022 01:20	WG1913607
Toluene	U		0.0500	0.200	1	08/20/2022 01:20	WG1913607
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/20/2022 01:20	WG1913607
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2022 01:20	WG1913607
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2022 01:20	WG1913607
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2022 01:20	WG1913607
Trichloroethene	0.202		0.0160	0.0400	1	08/20/2022 01:20	WG1913607
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2022 01:20	WG1913607
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2022 01:20	WG1913607
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2022 01:20	WG1913607
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2022 01:20	WG1913607
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2022 01:20	WG1913607
Vinyl chloride	54.7		0.0273	0.100	1	08/20/2022 01:20	WG1913607
Xylenes, Total	U		0.191	0.260	1	08/20/2022 01:20	WG1913607
Ethyl Ether	U		0.0170	0.100	1	08/20/2022 01:20	WG1913607
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2022 01:20	WG1913607
Iodomethane	U		0.242	0.500	1	08/20/2022 01:20	WG1913607
Allyl chloride	U		0.580	1.00	1	08/20/2022 01:20	WG1913607
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/20/2022 01:20	WG1913607
(S) Toluene-d8	95.3			75.0-131		08/20/2022 01:20	WG1913607
(S) 4-Bromofluorobenzene	93.9			67.0-138		08/20/2022 01:20	WG1913607
(S) 1,2-Dichloroethane-d4	110			70.0-130		08/20/2022 01:20	WG1913607

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	10700		594	5000	1	08/17/2022 21:32	WG1911500

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)	5750		102	1000	1	08/25/2022 19:23	WG1911948

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	13000		28.1	100	1	08/19/2022 18:43	WG1912645
Manganese	2980		0.704	5.00	1	08/19/2022 18:43	WG1912645

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6400		0.287	0.678	1	08/17/2022 09:58	WG1911872
Ethane	U		0.296	1.29	1	08/17/2022 09:58	WG1911872
Ethene	U		0.422	1.27	1	08/17/2022 09:58	WG1911872

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	1.68		0.548	1.00	1	08/20/2022 01:40	WG1913607
Acrylonitrile	U		0.0760	0.500	1	08/20/2022 01:40	WG1913607
Benzene	0.0430		0.0160	0.0400	1	08/20/2022 01:40	WG1913607
Bromobenzene	U		0.0420	0.500	1	08/20/2022 01:40	WG1913607
Bromodichloromethane	U		0.0315	0.100	1	08/20/2022 01:40	WG1913607
Bromoform	U	<u>C3</u>	0.239	1.00	1	08/20/2022 01:40	WG1913607
Bromomethane	U		0.148	0.500	1	08/20/2022 01:40	WG1913607
n-Butylbenzene	U		0.153	0.500	1	08/20/2022 01:40	WG1913607
sec-Butylbenzene	U		0.101	0.500	1	08/20/2022 01:40	WG1913607
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2022 01:40	WG1913607
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2022 01:40	WG1913607
Chlorobenzene	U		0.0229	0.100	1	08/20/2022 01:40	WG1913607
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2022 01:40	WG1913607
Chloroethane	U		0.0432	0.200	1	08/20/2022 01:40	WG1913607
Chloroform	U		0.0166	0.100	1	08/20/2022 01:40	WG1913607
Chloromethane	U		0.0556	0.500	1	08/20/2022 01:40	WG1913607
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2022 01:40	WG1913607
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2022 01:40	WG1913607
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2022 01:40	WG1913607
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2022 01:40	WG1913607
Dibromomethane	U		0.0400	0.200	1	08/20/2022 01:40	WG1913607
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2022 01:40	WG1913607
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2022 01:40	WG1913607
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2022 01:40	WG1913607
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2022 01:40	WG1913607
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2022 01:40	WG1913607
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2022 01:40	WG1913607
1,1-Dichloroethene	U		0.0200	0.100	1	08/20/2022 01:40	WG1913607
cis-1,2-Dichloroethene	8.42		0.0276	0.100	1	08/20/2022 01:40	WG1913607
trans-1,2-Dichloroethene	0.109	<u>J</u>	0.0572	0.200	1	08/20/2022 01:40	WG1913607
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2022 01:40	WG1913607



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	08/20/2022 01:40	WG1913607
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2022 01:40	WG1913607
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2022 01:40	WG1913607
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2022 01:40	WG1913607
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2022 01:40	WG1913607
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2022 01:40	WG1913607
Ethylbenzene	U		0.0212	0.100	1	08/20/2022 01:40	WG1913607
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2022 01:40	WG1913607
Isopropylbenzene	U		0.0345	0.100	1	08/20/2022 01:40	WG1913607
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2022 01:40	WG1913607
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2022 01:40	WG1913607
Methylene Chloride	U		0.265	1.00	1	08/20/2022 01:40	WG1913607
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2022 01:40	WG1913607
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2022 01:40	WG1913607
Naphthalene	U		0.124	0.500	1	08/20/2022 01:40	WG1913607
n-Propylbenzene	U		0.0472	0.200	1	08/20/2022 01:40	WG1913607
Styrene	U	C3	0.109	0.500	1	08/20/2022 01:40	WG1913607
1,1,1,2-Tetrachloroethane	U	C3	0.0200	0.100	1	08/20/2022 01:40	WG1913607
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2022 01:40	WG1913607
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2022 01:40	WG1913607
Tetrachloroethene	0.550		0.0280	0.100	1	08/20/2022 01:40	WG1913607
Toluene	U		0.0500	0.200	1	08/20/2022 01:40	WG1913607
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/20/2022 01:40	WG1913607
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2022 01:40	WG1913607
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2022 01:40	WG1913607
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2022 01:40	WG1913607
Trichloroethene	1.78		0.0160	0.0400	1	08/20/2022 01:40	WG1913607
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2022 01:40	WG1913607
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2022 01:40	WG1913607
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2022 01:40	WG1913607
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2022 01:40	WG1913607
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2022 01:40	WG1913607
Vinyl chloride	0.212		0.0273	0.100	1	08/20/2022 01:40	WG1913607
Xylenes, Total	U		0.191	0.260	1	08/20/2022 01:40	WG1913607
Ethyl Ether	U		0.0170	0.100	1	08/20/2022 01:40	WG1913607
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2022 01:40	WG1913607
Iodomethane	U		0.242	0.500	1	08/20/2022 01:40	WG1913607
Allyl chloride	U		0.580	1.00	1	08/20/2022 01:40	WG1913607
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/20/2022 01:40	WG1913607
(S) Toluene-d8	97.2			75.0-131		08/20/2022 01:40	WG1913607
(S) 4-Bromofluorobenzene	99.1			67.0-138		08/20/2022 01:40	WG1913607
(S) 1,2-Dichloroethane-d4	106			70.0-130		08/20/2022 01:40	WG1913607

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	70900		594	5000	1	08/17/2022 22:26	WG1911500

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)	2420	<u>B</u>	102	1000	1	08/25/2022 19:38	WG1911948

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	210		28.1	100	1	08/19/2022 18:46	WG1912645
Manganese	2770		0.704	5.00	1	08/19/2022 18:46	WG1912645

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	8590		2.87	6.78	10	08/18/2022 13:29	WG1912411
Ethane	5.85		0.296	1.29	1	08/17/2022 10:02	WG1911872
Ethene	U		0.422	1.27	1	08/17/2022 10:02	WG1911872

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	08/20/2022 05:14	WG1913607
Acrylonitrile	U		1.90	12.5	25	08/20/2022 05:14	WG1913607
Benzene	U		0.400	1.00	25	08/20/2022 05:14	WG1913607
Bromobenzene	U		1.05	12.5	25	08/20/2022 05:14	WG1913607
Bromodichloromethane	U		0.788	2.50	25	08/20/2022 05:14	WG1913607
Bromoform	U	<u>C3</u>	5.98	25.0	25	08/20/2022 05:14	WG1913607
Bromomethane	U		3.70	12.5	25	08/20/2022 05:14	WG1913607
n-Butylbenzene	U		3.83	12.5	25	08/20/2022 05:14	WG1913607
sec-Butylbenzene	U		2.53	12.5	25	08/20/2022 05:14	WG1913607
tert-Butylbenzene	U		1.55	5.00	25	08/20/2022 05:14	WG1913607
Carbon tetrachloride	U		1.08	5.00	25	08/20/2022 05:14	WG1913607
Chlorobenzene	U		0.573	2.50	25	08/20/2022 05:14	WG1913607
Chlorodibromomethane	U		0.450	2.50	25	08/20/2022 05:14	WG1913607
Chloroethane	U		1.08	5.00	25	08/20/2022 05:14	WG1913607
Chloroform	U		0.415	2.50	25	08/20/2022 05:14	WG1913607
Chloromethane	U		1.39	12.5	25	08/20/2022 05:14	WG1913607
2-Chlorotoluene	U		0.920	2.50	25	08/20/2022 05:14	WG1913607
4-Chlorotoluene	U		1.13	5.00	25	08/20/2022 05:14	WG1913607
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	08/20/2022 05:14	WG1913607
1,2-Dibromoethane	U		0.525	2.50	25	08/20/2022 05:14	WG1913607
Dibromomethane	U		1.00	5.00	25	08/20/2022 05:14	WG1913607
1,2-Dichlorobenzene	U		1.45	5.00	25	08/20/2022 05:14	WG1913607
1,3-Dichlorobenzene	U		1.70	5.00	25	08/20/2022 05:14	WG1913607
1,4-Dichlorobenzene	U		1.97	5.00	25	08/20/2022 05:14	WG1913607
Dichlorodifluoromethane	U		0.818	2.50	25	08/20/2022 05:14	WG1913607
1,1-Dichloroethane	U		0.575	2.50	25	08/20/2022 05:14	WG1913607
1,2-Dichloroethane	U		0.475	2.50	25	08/20/2022 05:14	WG1913607
1,1-Dichloroethene	1.38	<u>J</u>	0.500	2.50	25	08/20/2022 05:14	WG1913607
cis-1,2-Dichloroethene	263		0.690	2.50	25	08/20/2022 05:14	WG1913607
trans-1,2-Dichloroethene	2.93	<u>J</u>	1.43	5.00	25	08/20/2022 05:14	WG1913607
1,2-Dichloropropane	U		1.27	5.00	25	08/20/2022 05:14	WG1913607

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
1,1-Dichloropropene	U		0.700	2.50	25	08/20/2022 05:14	WG1913607
1,3-Dichloropropane	U		1.75	5.00	25	08/20/2022 05:14	WG1913607
cis-1,3-Dichloropropene	U		0.678	2.50	25	08/20/2022 05:14	WG1913607
trans-1,3-Dichloropropene	U		1.53	5.00	25	08/20/2022 05:14	WG1913607
2,2-Dichloropropane	U		0.793	2.50	25	08/20/2022 05:14	WG1913607
Di-isopropyl ether	U		0.350	1.00	25	08/20/2022 05:14	WG1913607
Ethylbenzene	U		0.530	2.50	25	08/20/2022 05:14	WG1913607
Hexachloro-1,3-butadiene	U		12.7	25.0	25	08/20/2022 05:14	WG1913607
Isopropylbenzene	U		0.863	2.50	25	08/20/2022 05:14	WG1913607
p-Isopropyltoluene	U		2.33	5.00	25	08/20/2022 05:14	WG1913607
2-Butanone (MEK)	U		12.5	25.0	25	08/20/2022 05:14	WG1913607
Methylene Chloride	U		6.63	25.0	25	08/20/2022 05:14	WG1913607
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	08/20/2022 05:14	WG1913607
Methyl tert-butyl ether	U		0.295	1.00	25	08/20/2022 05:14	WG1913607
Naphthalene	U		3.10	12.5	25	08/20/2022 05:14	WG1913607
n-Propylbenzene	U		1.18	5.00	25	08/20/2022 05:14	WG1913607
Styrene	U	<u>C3</u>	2.73	12.5	25	08/20/2022 05:14	WG1913607
1,1,1,2-Tetrachloroethane	U	<u>C3</u>	0.500	2.50	25	08/20/2022 05:14	WG1913607
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	08/20/2022 05:14	WG1913607
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	08/20/2022 05:14	WG1913607
Tetrachloroethene	509		0.700	2.50	25	08/20/2022 05:14	WG1913607
Toluene	U		1.25	5.00	25	08/20/2022 05:14	WG1913607
1,2,3-Trichlorobenzene	U		0.625	12.5	25	08/20/2022 05:14	WG1913607
1,2,4-Trichlorobenzene	U		4.83	12.5	25	08/20/2022 05:14	WG1913607
1,1,1-Trichloroethane	U		0.275	2.50	25	08/20/2022 05:14	WG1913607
1,1,2-Trichloroethane	U		0.883	2.50	25	08/20/2022 05:14	WG1913607
Trichloroethene	218		0.400	1.00	25	08/20/2022 05:14	WG1913607
Trichlorofluoromethane	U		0.500	2.50	25	08/20/2022 05:14	WG1913607
1,2,3-Trichloropropane	U		5.10	12.5	25	08/20/2022 05:14	WG1913607
1,2,4-Trimethylbenzene	U		1.16	5.00	25	08/20/2022 05:14	WG1913607
1,2,3-Trimethylbenzene	U		1.15	5.00	25	08/20/2022 05:14	WG1913607
1,3,5-Trimethylbenzene	U		1.08	5.00	25	08/20/2022 05:14	WG1913607
Vinyl chloride	U		0.682	2.50	25	08/20/2022 05:14	WG1913607
Xylenes, Total	U		4.78	6.50	25	08/20/2022 05:14	WG1913607
Ethyl Ether	U		0.425	2.50	25	08/20/2022 05:14	WG1913607
Tetrahydrofuran	U		2.25	12.5	25	08/20/2022 05:14	WG1913607
Iodomethane	U		6.05	12.5	25	08/20/2022 05:14	WG1913607
Allyl chloride	U		14.5	25.0	25	08/20/2022 05:14	WG1913607
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	08/20/2022 05:14	WG1913607
(S) Toluene-d8	101			75.0-131		08/20/2022 05:14	WG1913607
(S) 4-Bromofluorobenzene	96.9			67.0-138		08/20/2022 05:14	WG1913607
(S) 1,2-Dichloroethane-d4	113			70.0-130		08/20/2022 05:14	WG1913607

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

Sample Narrative:

L1525285-06 WG1913607: Target compounds too high to run at a lower dilution.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	25200		594	5000	1	08/17/2022 22:44	WG1911500

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)	3420		102	1000	1	08/25/2022 19:53	WG1911948

Metals (ICPMS) by Method 6020B

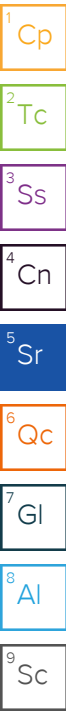
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3000		28.1	100	1	08/19/2022 18:49	WG1912645
Manganese	1110		0.704	5.00	1	08/19/2022 18:49	WG1912645

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	26100		2.87	6.78	10	08/19/2022 14:28	WG1913121
Ethane	1.39		0.296	1.29	1	08/19/2022 09:50	WG1913045
Ethene	1.44		0.422	1.27	1	08/19/2022 09:50	WG1913045

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	11.5		0.548	1.00	1	08/24/2022 15:08	WG1915883
Acrylonitrile	U		0.0760	0.500	1	08/24/2022 15:08	WG1915883
Benzene	U		0.0160	0.0400	1	08/24/2022 15:08	WG1915883
Bromobenzene	U		0.0420	0.500	1	08/24/2022 15:08	WG1915883
Bromodichloromethane	U		0.0315	0.100	1	08/24/2022 15:08	WG1915883
Bromoform	U		0.239	1.00	1	08/24/2022 15:08	WG1915883
Bromomethane	U		0.148	0.500	1	08/24/2022 15:08	WG1915883
n-Butylbenzene	U		0.153	0.500	1	08/24/2022 15:08	WG1915883
sec-Butylbenzene	U		0.101	0.500	1	08/24/2022 15:08	WG1915883
tert-Butylbenzene	U		0.0620	0.200	1	08/24/2022 15:08	WG1915883
Carbon tetrachloride	U		0.0432	0.200	1	08/24/2022 15:08	WG1915883
Chlorobenzene	U		0.0229	0.100	1	08/24/2022 15:08	WG1915883
Chlorodibromomethane	U		0.0180	0.100	1	08/24/2022 15:08	WG1915883
Chloroethane	U		0.0432	0.200	1	08/24/2022 15:08	WG1915883
Chloroform	U		0.0166	0.100	1	08/24/2022 15:08	WG1915883
Chloromethane	U		0.0556	0.500	1	08/24/2022 15:08	WG1915883
2-Chlorotoluene	U		0.0368	0.100	1	08/24/2022 15:08	WG1915883
4-Chlorotoluene	U		0.0452	0.200	1	08/24/2022 15:08	WG1915883
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/24/2022 15:08	WG1915883
1,2-Dibromoethane	U		0.0210	0.100	1	08/24/2022 15:08	WG1915883
Dibromomethane	U		0.0400	0.200	1	08/24/2022 15:08	WG1915883
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/24/2022 15:08	WG1915883
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/24/2022 15:08	WG1915883
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/24/2022 15:08	WG1915883
Dichlorodifluoromethane	U		0.0327	0.100	1	08/24/2022 15:08	WG1915883
1,1-Dichloroethane	U		0.0230	0.100	1	08/24/2022 15:08	WG1915883
1,2-Dichloroethane	U		0.0190	0.100	1	08/24/2022 15:08	WG1915883
1,1-Dichloroethene	U		0.0200	0.100	1	08/24/2022 15:08	WG1915883
cis-1,2-Dichloroethene	0.361		0.0276	0.100	1	08/24/2022 15:08	WG1915883
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/24/2022 15:08	WG1915883
1,2-Dichloropropane	U		0.0508	0.200	1	08/24/2022 15:08	WG1915883



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	08/24/2022 15:08	WG1915883
1,3-Dichloropropane	U		0.0700	0.200	1	08/24/2022 15:08	WG1915883
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/24/2022 15:08	WG1915883
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/24/2022 15:08	WG1915883
2,2-Dichloropropane	U		0.0317	0.100	1	08/24/2022 15:08	WG1915883
Di-isopropyl ether	U		0.0140	0.0400	1	08/24/2022 15:08	WG1915883
Ethylbenzene	U		0.0212	0.100	1	08/24/2022 15:08	WG1915883
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/24/2022 15:08	WG1915883
Isopropylbenzene	U		0.0345	0.100	1	08/24/2022 15:08	WG1915883
p-Isopropyltoluene	U		0.0932	0.200	1	08/24/2022 15:08	WG1915883
2-Butanone (MEK)	U		0.500	1.00	1	08/24/2022 15:08	WG1915883
Methylene Chloride	U		0.265	1.00	1	08/24/2022 15:08	WG1915883
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/24/2022 15:08	WG1915883
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/24/2022 15:08	WG1915883
Naphthalene	U		0.124	0.500	1	08/24/2022 15:08	WG1915883
n-Propylbenzene	U		0.0472	0.200	1	08/24/2022 15:08	WG1915883
Styrene	U		0.109	0.500	1	08/24/2022 15:08	WG1915883
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	08/24/2022 15:08	WG1915883
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/24/2022 15:08	WG1915883
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/24/2022 15:08	WG1915883
Tetrachloroethene	0.283		0.0280	0.100	1	08/24/2022 15:08	WG1915883
Toluene	0.0910	U	0.0500	0.200	1	08/24/2022 15:08	WG1915883
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/24/2022 15:08	WG1915883
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/24/2022 15:08	WG1915883
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/24/2022 15:08	WG1915883
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/24/2022 15:08	WG1915883
Trichloroethene	0.168		0.0160	0.0400	1	08/24/2022 15:08	WG1915883
Trichlorofluoromethane	U		0.0200	0.100	1	08/24/2022 15:08	WG1915883
1,2,3-Trichloropropane	U		0.204	0.500	1	08/24/2022 15:08	WG1915883
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/24/2022 15:08	WG1915883
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/24/2022 15:08	WG1915883
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/24/2022 15:08	WG1915883
Vinyl chloride	2.57		0.0273	0.100	1	08/24/2022 15:08	WG1915883
Xylenes, Total	U		0.191	0.260	1	08/24/2022 15:08	WG1915883
Ethyl Ether	U		0.0170	0.100	1	08/24/2022 15:08	WG1915883
Tetrahydrofuran	3.36		0.0900	0.500	1	08/24/2022 15:08	WG1915883
Iodomethane	U		0.242	0.500	1	08/24/2022 15:08	WG1915883
Allyl chloride	U		0.580	1.00	1	08/24/2022 15:08	WG1915883
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/24/2022 15:08	WG1915883
(S) Toluene-d8	110			75.0-131		08/24/2022 15:08	WG1915883
(S) 4-Bromofluorobenzene	101			67.0-138		08/24/2022 15:08	WG1915883
(S) 1,2-Dichloroethane-d4	81.8			70.0-130		08/24/2022 15:08	WG1915883

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	2250	J	594	5000	1	08/17/2022 23:02	WG1911500

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)	1130	B	102	1000	1	08/25/2022 20:07	WG1911948

Metals (ICPMS) by Method 6020B

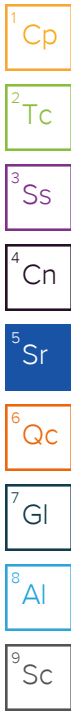
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1350		28.1	100	1	08/19/2022 18:53	WG1912645
Manganese	316		0.704	5.00	1	08/19/2022 18:53	WG1912645

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	424		0.287	0.678	1	08/19/2022 09:55	WG1913045
Ethane	U		0.296	1.29	1	08/19/2022 09:55	WG1913045
Ethene	1.65		0.422	1.27	1	08/19/2022 09:55	WG1913045

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	6.67		0.548	1.00	1	08/20/2022 01:59	WG1913607
Acrylonitrile	U		0.0760	0.500	1	08/20/2022 01:59	WG1913607
Benzene	U		0.0160	0.0400	1	08/20/2022 01:59	WG1913607
Bromobenzene	U		0.0420	0.500	1	08/20/2022 01:59	WG1913607
Bromodichloromethane	U		0.0315	0.100	1	08/20/2022 01:59	WG1913607
Bromoform	U	C3	0.239	1.00	1	08/20/2022 01:59	WG1913607
Bromomethane	U		0.148	0.500	1	08/20/2022 01:59	WG1913607
n-Butylbenzene	U		0.153	0.500	1	08/20/2022 01:59	WG1913607
sec-Butylbenzene	U		0.101	0.500	1	08/20/2022 01:59	WG1913607
tert-Butylbenzene	U		0.0620	0.200	1	08/20/2022 01:59	WG1913607
Carbon tetrachloride	U		0.0432	0.200	1	08/20/2022 01:59	WG1913607
Chlorobenzene	U		0.0229	0.100	1	08/20/2022 01:59	WG1913607
Chlorodibromomethane	U		0.0180	0.100	1	08/20/2022 01:59	WG1913607
Chloroethane	U		0.0432	0.200	1	08/20/2022 01:59	WG1913607
Chloroform	U		0.0166	0.100	1	08/20/2022 01:59	WG1913607
Chloromethane	U		0.0556	0.500	1	08/20/2022 01:59	WG1913607
2-Chlorotoluene	U		0.0368	0.100	1	08/20/2022 01:59	WG1913607
4-Chlorotoluene	U		0.0452	0.200	1	08/20/2022 01:59	WG1913607
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/20/2022 01:59	WG1913607
1,2-Dibromoethane	U		0.0210	0.100	1	08/20/2022 01:59	WG1913607
Dibromomethane	U		0.0400	0.200	1	08/20/2022 01:59	WG1913607
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/20/2022 01:59	WG1913607
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/20/2022 01:59	WG1913607
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/20/2022 01:59	WG1913607
Dichlorodifluoromethane	U		0.0327	0.100	1	08/20/2022 01:59	WG1913607
1,1-Dichloroethane	U		0.0230	0.100	1	08/20/2022 01:59	WG1913607
1,2-Dichloroethane	U		0.0190	0.100	1	08/20/2022 01:59	WG1913607
1,1-Dichloroethene	U		0.0200	0.100	1	08/20/2022 01:59	WG1913607
cis-1,2-Dichloroethene	1.45		0.0276	0.100	1	08/20/2022 01:59	WG1913607
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/20/2022 01:59	WG1913607
1,2-Dichloropropane	U		0.0508	0.200	1	08/20/2022 01:59	WG1913607



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	08/20/2022 01:59	WG1913607
1,3-Dichloropropane	U		0.0700	0.200	1	08/20/2022 01:59	WG1913607
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/20/2022 01:59	WG1913607
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/20/2022 01:59	WG1913607
2,2-Dichloropropane	U		0.0317	0.100	1	08/20/2022 01:59	WG1913607
Di-isopropyl ether	U		0.0140	0.0400	1	08/20/2022 01:59	WG1913607
Ethylbenzene	U		0.0212	0.100	1	08/20/2022 01:59	WG1913607
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/20/2022 01:59	WG1913607
Isopropylbenzene	U		0.0345	0.100	1	08/20/2022 01:59	WG1913607
p-Isopropyltoluene	U		0.0932	0.200	1	08/20/2022 01:59	WG1913607
2-Butanone (MEK)	U		0.500	1.00	1	08/20/2022 01:59	WG1913607
Methylene Chloride	U		0.265	1.00	1	08/20/2022 01:59	WG1913607
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/20/2022 01:59	WG1913607
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/20/2022 01:59	WG1913607
Naphthalene	U		0.124	0.500	1	08/20/2022 01:59	WG1913607
n-Propylbenzene	U		0.0472	0.200	1	08/20/2022 01:59	WG1913607
Styrene	U	C3	0.109	0.500	1	08/20/2022 01:59	WG1913607
1,1,1,2-Tetrachloroethane	U	C3	0.0200	0.100	1	08/20/2022 01:59	WG1913607
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/20/2022 01:59	WG1913607
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/20/2022 01:59	WG1913607
Tetrachloroethene	U		0.0280	0.100	1	08/20/2022 01:59	WG1913607
Toluene	U		0.0500	0.200	1	08/20/2022 01:59	WG1913607
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/20/2022 01:59	WG1913607
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/20/2022 01:59	WG1913607
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/20/2022 01:59	WG1913607
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/20/2022 01:59	WG1913607
Trichloroethene	0.140		0.0160	0.0400	1	08/20/2022 01:59	WG1913607
Trichlorofluoromethane	U		0.0200	0.100	1	08/20/2022 01:59	WG1913607
1,2,3-Trichloropropane	U		0.204	0.500	1	08/20/2022 01:59	WG1913607
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/20/2022 01:59	WG1913607
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/20/2022 01:59	WG1913607
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/20/2022 01:59	WG1913607
Vinyl chloride	0.679		0.0273	0.100	1	08/20/2022 01:59	WG1913607
Xylenes, Total	U		0.191	0.260	1	08/20/2022 01:59	WG1913607
Ethyl Ether	U		0.0170	0.100	1	08/20/2022 01:59	WG1913607
Tetrahydrofuran	U		0.0900	0.500	1	08/20/2022 01:59	WG1913607
Iodomethane	U		0.242	0.500	1	08/20/2022 01:59	WG1913607
Allyl chloride	U		0.580	1.00	1	08/20/2022 01:59	WG1913607
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/20/2022 01:59	WG1913607
(S) Toluene-d8	95.9			75.0-131		08/20/2022 01:59	WG1913607
(S) 4-Bromofluorobenzene	97.9			67.0-138		08/20/2022 01:59	WG1913607
(S) 1,2-Dichloroethane-d4	108			70.0-130		08/20/2022 01:59	WG1913607

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1910	J	594	5000	1	08/17/2022 23:20	WG1911500

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)	41900		102	1000	1	08/25/2022 00:44	WG1913003

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	29700		28.1	100	1	08/19/2022 18:56	WG1912645
Manganese	5680		0.704	5.00	1	08/19/2022 18:56	WG1912645

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	28600		2.87	6.78	10	08/19/2022 14:30	WG1913121
Ethane	817		0.296	1.29	1	08/19/2022 11:09	WG1913045
Ethene	680		0.422	1.27	1	08/19/2022 11:09	WG1913045

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		11.0	20.0	20	08/24/2022 15:27	WG1915883
Acrylonitrile	U		1.52	10.0	20	08/24/2022 15:27	WG1915883
Benzene	U		0.320	0.800	20	08/24/2022 15:27	WG1915883
Bromobenzene	U		0.840	10.0	20	08/24/2022 15:27	WG1915883
Bromodichloromethane	U		0.630	2.00	20	08/24/2022 15:27	WG1915883
Bromoform	U		4.78	20.0	20	08/24/2022 15:27	WG1915883
Bromomethane	U		2.96	10.0	20	08/24/2022 15:27	WG1915883
n-Butylbenzene	U		3.06	10.0	20	08/24/2022 15:27	WG1915883
sec-Butylbenzene	U		2.02	10.0	20	08/24/2022 15:27	WG1915883
tert-Butylbenzene	U		1.24	4.00	20	08/24/2022 15:27	WG1915883
Carbon tetrachloride	U		0.864	4.00	20	08/24/2022 15:27	WG1915883
Chlorobenzene	U		0.458	2.00	20	08/24/2022 15:27	WG1915883
Chlorodibromomethane	U		0.360	2.00	20	08/24/2022 15:27	WG1915883
Chloroethane	U		0.864	4.00	20	08/24/2022 15:27	WG1915883
Chloroform	U		0.332	2.00	20	08/24/2022 15:27	WG1915883
Chloromethane	U		1.11	10.0	20	08/24/2022 15:27	WG1915883
2-Chlorotoluene	U		0.736	2.00	20	08/24/2022 15:27	WG1915883
4-Chlorotoluene	U		0.904	4.00	20	08/24/2022 15:27	WG1915883
1,2-Dibromo-3-Chloropropane	U		4.08	20.0	20	08/24/2022 15:27	WG1915883
1,2-Dibromoethane	U		0.420	2.00	20	08/24/2022 15:27	WG1915883
Dibromomethane	U		0.800	4.00	20	08/24/2022 15:27	WG1915883
1,2-Dichlorobenzene	U		1.16	4.00	20	08/24/2022 15:27	WG1915883
1,3-Dichlorobenzene	U		1.36	4.00	20	08/24/2022 15:27	WG1915883
1,4-Dichlorobenzene	U		1.58	4.00	20	08/24/2022 15:27	WG1915883
Dichlorodifluoromethane	U		0.654	2.00	20	08/24/2022 15:27	WG1915883
1,1-Dichloroethane	U		0.460	2.00	20	08/24/2022 15:27	WG1915883
1,2-Dichloroethane	U		0.380	2.00	20	08/24/2022 15:27	WG1915883
1,1-Dichloroethene	0.940	J	0.400	2.00	20	08/24/2022 15:27	WG1915883
cis-1,2-Dichloroethene	491		0.552	2.00	20	08/24/2022 15:27	WG1915883
trans-1,2-Dichloroethene	6.02		1.14	4.00	20	08/24/2022 15:27	WG1915883
1,2-Dichloropropane	U		1.02	4.00	20	08/24/2022 15:27	WG1915883

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
1,1-Dichloropropene	U		0.560	2.00	20	08/24/2022 15:27	WG1915883
1,3-Dichloropropane	U		1.40	4.00	20	08/24/2022 15:27	WG1915883
cis-1,3-Dichloropropene	U		0.542	2.00	20	08/24/2022 15:27	WG1915883
trans-1,3-Dichloropropene	U		1.22	4.00	20	08/24/2022 15:27	WG1915883
2,2-Dichloropropane	U		0.634	2.00	20	08/24/2022 15:27	WG1915883
Di-isopropyl ether	U		0.280	0.800	20	08/24/2022 15:27	WG1915883
Ethylbenzene	U		0.424	2.00	20	08/24/2022 15:27	WG1915883
Hexachloro-1,3-butadiene	U		10.2	20.0	20	08/24/2022 15:27	WG1915883
Isopropylbenzene	U		0.690	2.00	20	08/24/2022 15:27	WG1915883
p-Isopropyltoluene	U		1.86	4.00	20	08/24/2022 15:27	WG1915883
2-Butanone (MEK)	U		10.0	20.0	20	08/24/2022 15:27	WG1915883
Methylene Chloride	U		5.30	20.0	20	08/24/2022 15:27	WG1915883
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	08/24/2022 15:27	WG1915883
Methyl tert-butyl ether	U		0.236	0.800	20	08/24/2022 15:27	WG1915883
Naphthalene	U		2.48	10.0	20	08/24/2022 15:27	WG1915883
n-Propylbenzene	U		0.944	4.00	20	08/24/2022 15:27	WG1915883
Styrene	U		2.18	10.0	20	08/24/2022 15:27	WG1915883
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	08/24/2022 15:27	WG1915883
1,1,2,2-Tetrachloroethane	U		0.312	2.00	20	08/24/2022 15:27	WG1915883
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	08/24/2022 15:27	WG1915883
Tetrachloroethene	U		0.560	2.00	20	08/24/2022 15:27	WG1915883
Toluene	U		1.00	4.00	20	08/24/2022 15:27	WG1915883
1,2,3-Trichlorobenzene	U		0.500	10.0	20	08/24/2022 15:27	WG1915883
1,2,4-Trichlorobenzene	U		3.86	10.0	20	08/24/2022 15:27	WG1915883
1,1,1-Trichloroethane	U		0.220	2.00	20	08/24/2022 15:27	WG1915883
1,1,2-Trichloroethane	U		0.706	2.00	20	08/24/2022 15:27	WG1915883
Trichloroethene	U		0.320	0.800	20	08/24/2022 15:27	WG1915883
Trichlorofluoromethane	U		0.400	2.00	20	08/24/2022 15:27	WG1915883
1,2,3-Trichloropropane	U		4.08	10.0	20	08/24/2022 15:27	WG1915883
1,2,4-Trimethylbenzene	U		0.928	4.00	20	08/24/2022 15:27	WG1915883
1,2,3-Trimethylbenzene	U		0.920	4.00	20	08/24/2022 15:27	WG1915883
1,3,5-Trimethylbenzene	U		0.864	4.00	20	08/24/2022 15:27	WG1915883
Vinyl chloride	1010		0.546	2.00	20	08/24/2022 15:27	WG1915883
Xylenes, Total	U		3.82	5.20	20	08/24/2022 15:27	WG1915883
Ethyl Ether	U		0.340	2.00	20	08/24/2022 15:27	WG1915883
Tetrahydrofuran	U		1.80	10.0	20	08/24/2022 15:27	WG1915883
Iodomethane	U		4.84	10.0	20	08/24/2022 15:27	WG1915883
Allyl chloride	U		11.6	20.0	20	08/24/2022 15:27	WG1915883
Trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	08/24/2022 15:27	WG1915883
(S) Toluene-d8	110			75.0-131		08/24/2022 15:27	WG1915883
(S) 4-Bromofluorobenzene	102			67.0-138		08/24/2022 15:27	WG1915883
(S) 1,2-Dichloroethane-d4	80.6			70.0-130		08/24/2022 15:27	WG1915883

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Sample Narrative:

L1525285-09 WG1915883: Target compounds too high to run at a lower dilution.

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	4.37		0.548	1.00	1	08/19/2022 23:43	WG1913607
Acrylonitrile	U		0.0760	0.500	1	08/19/2022 23:43	WG1913607
Benzene	U		0.0160	0.0400	1	08/19/2022 23:43	WG1913607
Bromobenzene	U		0.0420	0.500	1	08/19/2022 23:43	WG1913607
Bromodichloromethane	U		0.0315	0.100	1	08/19/2022 23:43	WG1913607
Bromoform	U	C3	0.239	1.00	1	08/19/2022 23:43	WG1913607
Bromomethane	U		0.148	0.500	1	08/19/2022 23:43	WG1913607
n-Butylbenzene	U		0.153	0.500	1	08/19/2022 23:43	WG1913607
sec-Butylbenzene	U		0.101	0.500	1	08/19/2022 23:43	WG1913607
tert-Butylbenzene	U		0.0620	0.200	1	08/19/2022 23:43	WG1913607
Carbon tetrachloride	U		0.0432	0.200	1	08/19/2022 23:43	WG1913607
Chlorobenzene	U		0.0229	0.100	1	08/19/2022 23:43	WG1913607
Chlorodibromomethane	U		0.0180	0.100	1	08/19/2022 23:43	WG1913607
Chloroethane	U		0.0432	0.200	1	08/19/2022 23:43	WG1913607
Chloroform	U		0.0166	0.100	1	08/19/2022 23:43	WG1913607
Chloromethane	U		0.0556	0.500	1	08/19/2022 23:43	WG1913607
2-Chlorotoluene	U		0.0368	0.100	1	08/19/2022 23:43	WG1913607
4-Chlorotoluene	U		0.0452	0.200	1	08/19/2022 23:43	WG1913607
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	08/19/2022 23:43	WG1913607
1,2-Dibromoethane	U		0.0210	0.100	1	08/19/2022 23:43	WG1913607
Dibromomethane	U		0.0400	0.200	1	08/19/2022 23:43	WG1913607
1,2-Dichlorobenzene	U		0.0580	0.200	1	08/19/2022 23:43	WG1913607
1,3-Dichlorobenzene	U		0.0680	0.200	1	08/19/2022 23:43	WG1913607
1,4-Dichlorobenzene	U		0.0788	0.200	1	08/19/2022 23:43	WG1913607
Dichlorodifluoromethane	U		0.0327	0.100	1	08/19/2022 23:43	WG1913607
1,1-Dichloroethane	U		0.0230	0.100	1	08/19/2022 23:43	WG1913607
1,2-Dichloroethane	U		0.0190	0.100	1	08/19/2022 23:43	WG1913607
1,1-Dichloroethene	U		0.0200	0.100	1	08/19/2022 23:43	WG1913607
cis-1,2-Dichloroethene	U		0.0276	0.100	1	08/19/2022 23:43	WG1913607
trans-1,2-Dichloroethene	U		0.0572	0.200	1	08/19/2022 23:43	WG1913607
1,2-Dichloropropane	U		0.0508	0.200	1	08/19/2022 23:43	WG1913607
1,1-Dichloropropene	U		0.0280	0.100	1	08/19/2022 23:43	WG1913607
1,3-Dichloropropane	U		0.0700	0.200	1	08/19/2022 23:43	WG1913607
cis-1,3-Dichloropropene	U		0.0271	0.100	1	08/19/2022 23:43	WG1913607
trans-1,3-Dichloropropene	U		0.0612	0.200	1	08/19/2022 23:43	WG1913607
2,2-Dichloropropane	U		0.0317	0.100	1	08/19/2022 23:43	WG1913607
Di-isopropyl ether	U		0.0140	0.0400	1	08/19/2022 23:43	WG1913607
Ethylbenzene	U		0.0212	0.100	1	08/19/2022 23:43	WG1913607
Hexachloro-1,3-butadiene	U		0.508	1.00	1	08/19/2022 23:43	WG1913607
Isopropylbenzene	U		0.0345	0.100	1	08/19/2022 23:43	WG1913607
p-Isopropyltoluene	U		0.0932	0.200	1	08/19/2022 23:43	WG1913607
2-Butanone (MEK)	U		0.500	1.00	1	08/19/2022 23:43	WG1913607
Methylene Chloride	U		0.265	1.00	1	08/19/2022 23:43	WG1913607
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	08/19/2022 23:43	WG1913607
Methyl tert-butyl ether	U		0.0118	0.0400	1	08/19/2022 23:43	WG1913607
Naphthalene	U		0.124	0.500	1	08/19/2022 23:43	WG1913607
n-Propylbenzene	U		0.0472	0.200	1	08/19/2022 23:43	WG1913607
Styrene	U	C3	0.109	0.500	1	08/19/2022 23:43	WG1913607
1,1,1,2-Tetrachloroethane	U	C3	0.0200	0.100	1	08/19/2022 23:43	WG1913607
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	08/19/2022 23:43	WG1913607
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	08/19/2022 23:43	WG1913607
Tetrachloroethene	U		0.0280	0.100	1	08/19/2022 23:43	WG1913607
Toluene	0.123	J	0.0500	0.200	1	08/19/2022 23:43	WG1913607
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	08/19/2022 23:43	WG1913607
1,2,4-Trichlorobenzene	U		0.193	0.500	1	08/19/2022 23:43	WG1913607
1,1,1-Trichloroethane	U		0.0110	0.100	1	08/19/2022 23:43	WG1913607

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
1,1,2-Trichloroethane	U		0.0353	0.100	1	08/19/2022 23:43	WG1913607
Trichloroethene	U		0.0160	0.0400	1	08/19/2022 23:43	WG1913607
Trichlorofluoromethane	U		0.0200	0.100	1	08/19/2022 23:43	WG1913607
1,2,3-Trichloropropane	U		0.204	0.500	1	08/19/2022 23:43	WG1913607
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	08/19/2022 23:43	WG1913607
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	08/19/2022 23:43	WG1913607
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	08/19/2022 23:43	WG1913607
Vinyl chloride	U		0.0273	0.100	1	08/19/2022 23:43	WG1913607
Xylenes, Total	U		0.191	0.260	1	08/19/2022 23:43	WG1913607
Ethyl Ether	U		0.0170	0.100	1	08/19/2022 23:43	WG1913607
Tetrahydrofuran	U		0.0900	0.500	1	08/19/2022 23:43	WG1913607
Iodomethane	U		0.242	0.500	1	08/19/2022 23:43	WG1913607
Allyl chloride	U		0.580	1.00	1	08/19/2022 23:43	WG1913607
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	08/19/2022 23:43	WG1913607
(S) Toluene-d8	95.0			75.0-131		08/19/2022 23:43	WG1913607
(S) 4-Bromofluorobenzene	95.0			67.0-138		08/19/2022 23:43	WG1913607
(S) 1,2-Dichloroethane-d4	113			70.0-130		08/19/2022 23:43	WG1913607

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3827712-1 08/17/22 11:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1525285-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1525285-01 08/17/22 19:27 • (DUP) R3827712-3 08/17/22 19:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	8820	8700	1	1.26		15

L1525372-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1525372-06 08/18/22 03:48 • (DUP) R3827712-6 08/18/22 04:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	11400	11600	1	1.40		15

Laboratory Control Sample (LCS)

(LCS) R3827712-2 08/17/22 11:44

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	40400	101	80.0-120	

L1525285-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1525285-05 08/17/22 21:32 • (MS) R3827712-4 08/17/22 21:50 • (MSD) R3827712-5 08/17/22 22:08

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	10700	62600	63800	104	106	1	80.0-120			2.03	15

L1525372-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1525372-06 08/18/22 03:48 • (MS) R3827712-7 08/18/22 04:24

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	11400	63900	105	1	80.0-120	

Method Blank (MB)

(MB) R3830679-2 08/25/22 10:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	294	↓	102	1000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1525008-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1525008-13 08/25/22 12:40 • (DUP) R3830679-3 08/25/22 12:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	2690	2780	1	3.21		20

L1525066-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1525066-01 08/25/22 13:08 • (DUP) R3830679-4 08/25/22 13:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3830679-1 08/25/22 10:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	82600	110	85.0-115	

L1525066-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1525066-06 08/25/22 15:10 • (MS) R3830679-5 08/25/22 15:33 • (MSD) R3830679-6 08/25/22 15:56

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	3430	65000	64100	123	121	1	80.0-120	J5	J5	1.38	20

L1525215-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1525215-01 08/25/22 16:14 • (MS) R3830679-7 08/25/22 16:38 • (MSD) R3830679-8 08/25/22 17:03

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	15500	75800	78000	121	125	1	80.0-120	J5	J5	2.86	20

Method Blank (MB)

(MB) R3830172-2 08/24/22 11:42

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	152	J	102	1000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1525102-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1525102-01 08/24/22 17:03 • (DUP) R3830172-3 08/24/22 17:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	10600	10700	1	0.376		20

L1525102-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1525102-02 08/24/22 17:39 • (DUP) R3830172-4 08/24/22 17:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	2520	2370	1	6.25		20

Laboratory Control Sample (LCS)

(LCS) R3830172-1 08/24/22 11:29

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	75000	83200	111	85.0-115	

L1525105-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1525105-01 08/24/22 18:52 • (MS) R3830172-5 08/24/22 19:15 • (MSD) R3830172-6 08/24/22 20:15

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	50000	3730	64900	65100	122	123	1	80.0-120	J5	J5	0.231	20

L1525219-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1525219-08 08/24/22 21:49 • (MS) R3830172-7 08/24/22 22:14 • (MSD) R3830172-8 08/24/22 22:39

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	50000	27300	88500	87400	123	120	1	80.0-120	J5		1.31	20

Method Blank (MB)

(MB) R3828371-1 08/19/22 17:57

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

Laboratory Control Sample (LCS)

(LCS) R3828371-2 08/19/22 18:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	4990	99.8	80.0-120	
Manganese	50.0	49.7	99.3	80.0-120	

L1525285-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1525285-01 08/19/22 18:03 • (MS) R3828371-4 08/19/22 18:10 • (MSD) R3828371-5 08/19/22 18:13

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	1200	6070	6200	97.5	100	1	75.0-125			2.12	20
Manganese	50.0	634	674	683	79.7	96.8	1	75.0-125			1.26	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3827123-2 08/17/22 08:12

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

L1525055-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1525055-01 08/17/22 08:31 • (DUP) R3827123-3 08/17/22 09:18

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

L1525057-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1525057-03 08/17/22 09:36 • (DUP) R3827123-4 08/17/22 10:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	13.8	17.2	1	21.9		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) R3827123-1 08/17/22 08:09 • (LCSD) R3827123-5 08/17/22 10:08

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	67.7	70.9	99.9	105	85.0-115			4.62	20
Ethane	129	119	116	92.2	89.9	85.0-115			2.55	20
Ethene	127	120	117	94.5	92.1	85.0-115			2.53	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3827776-2 08/18/22 11:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

1 Cp

2 Tc

3 Ss

L1525054-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1525054-03 08/18/22 11:03 • (DUP) R3827776-3 08/18/22 12:44

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	21300	21800	10	2.32		20

4 Cn

5 Sr

6 Qc

L1525066-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1525066-01 08/18/22 13:00 • (DUP) R3827776-4 08/18/22 13:35

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	4.94	5.47	1	10.2		20

7 Gl

8 Al

9 Sc

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

(LCS) R3827776-1 08/18/22 10:58 • (LCSD) R3827776-5 08/18/22 13:37

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Methane	67.8	66.5	67.2	98.1	99.1	85.0-115			1.05	20

Method Blank (MB)

(MB) R3828211-2 08/19/22 09:29

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

L1526028-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1526028-01 08/19/22 11:58 • (DUP) R3828211-3 08/19/22 12:01

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	4800	4810	1	0.208		20
Ethane	9.36	9.06	1	3.26		20
Ethene	U	U	1	0.000		20

L1526109-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1526109-08 08/19/22 13:05 • (DUP) R3828211-4 08/19/22 13:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	101	104	1	2.93		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3828211-1 08/19/22 09:27

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Methane	67.8	68.7	101	85.0-115	
Ethane	129	121	93.8	85.0-115	
Ethene	127	122	96.1	85.0-115	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3828320-2 08/19/22 14:24

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

1 Cp

2 Tc

3 Ss

L1526193-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1526193-06 08/19/22 15:00 • (DUP) R3828320-3 08/19/22 15:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	U	U	1	0.000		20

4 Cn

5 Sr

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

(LCS) R3828320-1 08/19/22 14:19 • (LCSD) R3828320-4 08/19/22 16:49

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Methane	67.8	64.3	63.5	94.8	93.7	85.0-115			1.25	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3828618-3 08/19/22 23:23

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3828618-3 08/19/22 23:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	96.9			75.0-131
(S) 4-Bromofluorobenzene	94.3			67.0-138
(S) 1,2-Dichloroethane-d4	111			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3828618-1 08/19/22 22:06 • (LCSD) R3828618-2 08/19/22 22:25

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	25.9	28.0	104	112	10.0-160			7.79	31
Acrylonitrile	25.0	21.4	22.8	85.6	91.2	45.0-153			6.33	22
Benzene	5.00	4.81	5.02	96.2	100	70.0-123			4.27	20
Bromobenzene	5.00	4.94	4.93	98.8	98.6	73.0-121			0.203	20
Bromodichloromethane	5.00	5.13	5.15	103	103	73.0-121			0.389	20
Bromoform	5.00	3.70	3.90	74.0	78.0	64.0-132			5.26	20
Bromomethane	5.00	4.30	4.68	86.0	93.6	56.0-147			8.46	20
n-Butylbenzene	5.00	5.19	5.60	104	112	68.0-135			7.60	20
sec-Butylbenzene	5.00	5.32	5.63	106	113	74.0-130			5.66	20
tert-Butylbenzene	5.00	4.94	5.84	98.8	117	75.0-127			16.7	20
Carbon tetrachloride	5.00	5.59	6.07	112	121	66.0-128			8.23	20
Chlorobenzene	5.00	4.10	4.28	82.0	85.6	76.0-128			4.30	20
Chlorodibromomethane	5.00	4.09	4.12	81.8	82.4	74.0-127			0.731	20
Chloroethane	5.00	4.59	4.53	91.8	90.6	61.0-134			1.32	20
Chloroform	5.00	4.90	5.24	98.0	105	72.0-123			6.71	20
Chloromethane	5.00	4.02	4.32	80.4	86.4	51.0-138			7.19	20
2-Chlorotoluene	5.00	4.92	5.25	98.4	105	75.0-124			6.49	20
4-Chlorotoluene	5.00	5.15	5.06	103	101	75.0-124			1.76	20
1,2-Dibromo-3-Chloropropane	5.00	3.99	4.15	79.8	83.0	59.0-130			3.93	20
1,2-Dibromoethane	5.00	4.20	4.43	84.0	88.6	74.0-128			5.33	20
Dibromomethane	5.00	4.90	5.20	98.0	104	75.0-122			5.94	20
1,2-Dichlorobenzene	5.00	4.59	4.87	91.8	97.4	76.0-124			5.92	20
1,3-Dichlorobenzene	5.00	4.61	4.85	92.2	97.0	76.0-125			5.07	20
1,4-Dichlorobenzene	5.00	4.49	4.56	89.8	91.2	77.0-121			1.55	20
Dichlorodifluoromethane	5.00	6.41	6.70	128	134	43.0-156			4.42	20
1,1-Dichloroethane	5.00	4.84	5.04	96.8	101	70.0-127			4.05	20
1,2-Dichloroethane	5.00	4.97	5.33	99.4	107	65.0-131			6.99	20
1,1-Dichloroethene	5.00	5.91	5.96	118	119	65.0-131			0.842	20
cis-1,2-Dichloroethene	5.00	4.77	4.87	95.4	97.4	73.0-125			2.07	20
trans-1,2-Dichloroethene	5.00	4.71	4.90	94.2	98.0	71.0-125			3.95	20
1,2-Dichloropropane	5.00	4.73	4.85	94.6	97.0	74.0-125			2.51	20
1,1-Dichloropropene	5.00	5.46	5.59	109	112	73.0-125			2.35	20
1,3-Dichloropropane	5.00	4.78	4.81	95.6	96.2	80.0-125			0.626	20
cis-1,3-Dichloropropene	5.00	4.78	5.03	95.6	101	76.0-127			5.10	20
trans-1,3-Dichloropropene	5.00	4.48	4.78	89.6	95.6	73.0-127			6.48	20
2,2-Dichloropropane	5.00	5.21	5.78	104	116	59.0-135			10.4	20
Di-isopropyl ether	5.00	4.60	4.69	92.0	93.8	60.0-136			1.94	20
Ethylbenzene	5.00	4.13	4.16	82.6	83.2	74.0-126			0.724	20
Hexachloro-1,3-butadiene	5.00	5.40	5.79	108	116	57.0-150			6.97	20
Isopropylbenzene	5.00	4.28	4.56	85.6	91.2	72.0-127			6.33	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3828618-1 08/19/22 22:06 • (LCSD) R3828618-2 08/19/22 22:25

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 %
p-Isopropyltoluene	5.00	4.92	5.04	98.4	101	72.0-133			2.41	20
2-Butanone (MEK)	25.0	24.3	25.0	97.2	100	30.0-160			2.84	24
Methylene Chloride	5.00	5.67	6.14	113	123	68.0-123			7.96	20
4-Methyl-2-pentanone (MIBK)	25.0	20.6	21.3	82.4	85.2	56.0-143			3.34	20
Methyl tert-butyl ether	5.00	5.08	5.16	102	103	66.0-132			1.56	20
Naphthalene	5.00	4.98	5.42	99.6	108	59.0-130			8.46	20
n-Propylbenzene	5.00	4.55	4.73	91.0	94.6	74.0-126			3.88	20
Styrene	5.00	3.87	4.04	77.4	80.8	72.0-127			4.30	20
1,1,1,2-Tetrachloroethane	5.00	3.97	4.18	79.4	83.6	74.0-129			5.15	20
1,1,2,2-Tetrachloroethane	5.00	4.85	5.12	97.0	102	68.0-128			5.42	20
1,1,2-Trichlorotrifluoroethane	5.00	6.25	6.57	125	131	61.0-139			4.99	20
Tetrachloroethene	5.00	4.94	4.86	98.8	97.2	70.0-136			1.63	20
Toluene	5.00	4.48	4.60	89.6	92.0	75.0-121			2.64	20
1,2,3-Trichlorobenzene	5.00	5.00	5.43	100	109	59.0-139			8.25	20
1,2,4-Trichlorobenzene	5.00	5.22	5.49	104	110	62.0-137			5.04	20
1,1,1-Trichloroethane	5.00	5.22	5.44	104	109	69.0-126			4.13	20
1,1,2-Trichloroethane	5.00	4.54	4.65	90.8	93.0	78.0-123			2.39	20
Trichloroethene	5.00	4.53	4.66	90.6	93.2	76.0-126			2.83	20
Trichlorofluoromethane	5.00	6.01	6.42	120	128	61.0-142			6.60	20
1,2,3-Trichloropropane	5.00	4.61	4.92	92.2	98.4	67.0-129			6.51	20
1,2,4-Trimethylbenzene	5.00	5.00	4.97	100	99.4	70.0-126			0.602	20
1,2,3-Trimethylbenzene	5.00	4.41	4.58	88.2	91.6	74.0-124			3.78	20
1,3,5-Trimethylbenzene	5.00	4.90	5.14	98.0	103	73.0-127			4.78	20
Vinyl chloride	5.00	4.86	5.31	97.2	106	63.0-134			8.85	20
Xylenes, Total	15.0	12.3	12.9	82.0	86.0	72.0-127			4.76	20
Ethyl ether	5.00	4.65	4.88	93.0	97.6	64.0-137			4.83	20
Tetrahydrofuran	5.00	3.99	4.45	79.8	89.0	37.0-146			10.9	24
Iodomethane	25.0	24.5	26.0	98.0	104	74.0-134			5.94	20
Allyl chloride	25.0	23.7	24.4	94.8	97.6	70.0-131			2.91	20
trans-1,4-Dichloro-2-butene	5.00	5.74	6.07	115	121	45.0-143			5.59	20
(S) Toluene-d8				93.8	94.3	75.0-131				
(S) 4-Bromofluorobenzene				93.0	97.9	67.0-138				
(S) 1,2-Dichloroethane-d4				113	112	70.0-130				

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

L1526429-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1526429-05 08/20/22 02:58 • (MS) R3828618-4 08/20/22 06:12 • (MSD) R3828618-5 08/20/22 06:32

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 %
Acetone	25.0	2.94	15.8	32.8	51.4	119	1	10.0-160		UB	70.0	40
Acrylonitrile	25.0	U	23.1	28.8	92.4	115	1	10.0-160			22.0	40
Benzene	5.00	U	2.94	4.93	58.8	98.6	1	10.0-149		UB	50.6	37
Bromobenzene	5.00	U	3.39	5.41	67.8	108	1	10.0-156		UB	45.9	38
Bromodichloromethane	5.00	U	4.01	5.72	80.2	114	1	10.0-143			35.1	37
Bromoform	5.00	U	3.51	4.25	70.2	85.0	1	10.0-146			19.1	36
Bromomethane	5.00	U	2.48	3.94	49.6	78.8	1	10.0-149		UB	45.5	38
n-Butylbenzene	5.00	U	2.95	5.63	59.0	113	1	10.0-160		UB UB	62.5	40
sec-Butylbenzene	5.00	U	3.09	6.05	61.8	121	1	10.0-159		UB UB	64.8	39
tert-Butylbenzene	5.00	U	2.97	5.61	59.4	112	1	10.0-156		UB UB	61.5	39
Carbon tetrachloride	5.00	U	3.32	5.88	66.4	118	1	10.0-145		UB UB	55.7	37
Chlorobenzene	5.00	U	2.76	4.52	55.2	90.4	1	10.0-152		UB	48.4	39
Chlorodibromomethane	5.00	U	3.25	4.38	65.0	87.6	1	10.0-146			29.6	37
Chloroethane	5.00	U	2.67	4.55	53.4	91.0	1	10.0-146		UB	52.1	40
Chloroform	5.00	U	3.41	5.16	68.2	103	1	10.0-146		UB UB	40.8	37
Chloromethane	5.00	U	2.22	3.63	44.4	72.6	1	10.0-159		UB UB	48.2	37
2-Chlorotoluene	5.00	U	3.17	5.45	63.4	109	1	10.0-159		UB UB	52.9	38
4-Chlorotoluene	5.00	U	3.17	5.66	63.4	113	1	10.0-155		UB	56.4	39
1,2-Dibromo-3-Chloropropane	5.00	U	4.15	4.79	83.0	95.8	1	10.0-151			14.3	39
1,2-Dibromoethane	5.00	U	3.66	4.70	73.2	94.0	1	10.0-148			24.9	34
Dibromomethane	5.00	U	4.18	5.43	83.6	109	1	10.0-147			26.0	35
1,2-Dichlorobenzene	5.00	U	3.39	5.21	67.8	104	1	10.0-155		UB	42.3	37
1,3-Dichlorobenzene	5.00	U	3.21	5.23	64.2	105	1	10.0-153		UB UB	47.9	38
1,4-Dichlorobenzene	5.00	U	3.12	5.01	62.4	100	1	10.0-151		UB UB	46.5	38
Dichlorodifluoromethane	5.00	U	3.89	7.14	77.8	143	1	10.0-160		UB UB	58.9	35
1,1-Dichloroethane	5.00	U	2.96	4.93	59.2	98.6	1	10.0-147		UB	49.9	37
1,2-Dichloroethane	5.00	U	4.07	5.46	81.4	109	1	10.0-148			29.2	35
1,1-Dichloroethene	5.00	U	2.91	5.45	58.2	109	1	10.0-155		UB	60.8	37
cis-1,2-Dichloroethene	5.00	0.154	3.27	4.93	62.3	95.5	1	10.0-149		UB UB	40.5	37
trans-1,2-Dichloroethene	5.00	U	2.64	4.27	52.8	85.4	1	10.0-150		UB UB	47.2	37
1,2-Dichloropropane	5.00	U	3.30	5.16	66.0	103	1	10.0-148		UB UB	44.0	37
1,1-Dichloropropene	5.00	U	2.91	5.37	58.2	107	1	10.0-153		UB	59.4	35
1,3-Dichloropropane	5.00	U	3.85	5.18	77.0	104	1	10.0-154			29.5	35
cis-1,3-Dichloropropene	5.00	U	3.33	4.98	66.6	99.6	1	10.0-151		UB	39.7	37
trans-1,3-Dichloropropene	5.00	U	3.44	4.77	68.8	95.4	1	10.0-148			32.4	37
2,2-Dichloropropane	5.00	U	3.26	5.58	65.2	112	1	10.0-138		UB	52.5	36
Di-isopropyl ether	5.00	U	3.45	4.56	69.0	91.2	1	10.0-147			27.7	36
Ethylbenzene	5.00	U	2.49	4.31	49.8	86.2	1	10.0-160		UB	53.5	38
Hexachloro-1,3-butadiene	5.00	U	3.24	5.97	64.8	119	1	10.0-160		UB UB	59.3	40
Isopropylbenzene	5.00	U	2.59	4.69	51.8	93.8	1	10.0-155		UB	57.7	38

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

L1526429-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1526429-05 08/20/22 02:58 • (MS) R3828618-4 08/20/22 06:12 • (MSD) R3828618-5 08/20/22 06:32

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 %
p-Isopropyltoluene	5.00	U	2.86	5.32	57.2	106	1	10.0-160		U3	60.1	40
2-Butanone (MEK)	25.0	U	23.1	26.5	92.4	106	1	10.0-160			13.7	40
Methylene Chloride	5.00	U	3.43	4.90	68.6	98.0	1	10.0-141			35.3	37
4-Methyl-2-pentanone (MIBK)	25.0	U	20.4	22.8	81.6	91.2	1	10.0-160			11.1	35
Methyl tert-butyl ether	5.00	U	4.50	5.31	90.0	106	1	11.0-147			16.5	35
Naphthalene	5.00	U	4.35	5.47	87.0	109	1	10.0-160			22.8	36
n-Propylbenzene	5.00	U	2.67	5.16	53.4	103	1	10.0-158		U3	63.6	38
Styrene	5.00	U	2.58	4.15	51.6	83.0	1	10.0-160		U3	46.7	40
1,1,1,2-Tetrachloroethane	5.00	U	3.01	4.42	60.2	88.4	1	10.0-149			38.0	39
1,1,2,2-Tetrachloroethane	5.00	0.234	5.13	6.25	97.9	120	1	10.0-160			19.7	35
1,1,2-Trichlorotrifluoroethane	5.00	U	3.51	6.85	70.2	137	1	10.0-160		U3	64.5	36
Tetrachloroethene	5.00	0.0560	2.54	4.91	49.7	97.1	1	10.0-156		U3	63.6	39
Toluene	5.00	U	2.66	4.58	53.2	91.6	1	10.0-156		U3	53.0	38
1,2,3-Trichlorobenzene	5.00	U	4.01	5.78	80.2	116	1	10.0-160			36.2	40
1,2,4-Trichlorobenzene	5.00	U	3.79	5.70	75.8	114	1	10.0-160		U3	40.3	40
1,1,1-Trichloroethane	5.00	U	3.31	5.37	66.2	107	1	10.0-144		U3	47.5	35
1,1,2-Trichloroethane	5.00	U	3.91	5.22	78.2	104	1	10.0-160			28.7	35
Trichloroethene	5.00	0.982	3.55	5.39	51.4	88.2	1	10.0-156		U3	41.2	38
Trichlorofluoromethane	5.00	U	3.36	6.40	67.2	128	1	10.0-160		U3	62.3	40
1,2,3-Trichloropropane	5.00	U	4.83	5.90	96.6	118	1	10.0-156			19.9	35
1,2,4-Trimethylbenzene	5.00	U	2.91	5.20	58.2	104	1	10.0-160		U3	56.5	36
1,2,3-Trimethylbenzene	5.00	U	2.99	4.71	59.8	94.2	1	10.0-160		U3	44.7	36
1,3,5-Trimethylbenzene	5.00	U	2.93	5.56	58.6	111	1	10.0-160		U3	62.0	38
Vinyl chloride	5.00	U	2.92	5.26	58.4	105	1	10.0-160		U3	57.2	37
Xylenes, Total	15.0	U	7.70	11.5	51.3	76.7	1	10.0-160		U3	39.6	38
Ethyl ether	5.00	U	3.66	4.43	73.2	88.6	1	10.0-160			19.0	31
Tetrahydrofuran	5.00	U	3.17	4.60	63.4	92.0	1	10.0-158		U3	36.8	33
Iodomethane	25.0	U	14.1	22.4	56.4	89.6	1	10.0-160		U3	45.5	38
Allyl chloride	25.0	U	13.8	22.6	55.2	90.4	1	10.0-160		U3	48.4	30
trans-1,4-Dichloro-2-butene	5.00	U	4.23	5.13	84.6	103	1	10.0-152			19.2	36
(S) Toluene-d8					93.6	94.9		75.0-131				
(S) 4-Bromofluorobenzene					93.4	92.6		67.0-138				
(S) 1,2-Dichloroethane-d4					113	115		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3830006-1 08/24/22 11:11

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3830006-1 08/24/22 11:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	111			75.0-131
(S) 4-Bromofluorobenzene	101			67.0-138
(S) 1,2-Dichloroethane-d4	77.0			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3830006-2 08/24/22 12:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetone	25.0	34.7	139	10.0-160	
Acrylonitrile	25.0	26.5	106	45.0-153	
Benzene	5.00	4.53	90.6	70.0-123	
Bromobenzene	5.00	4.40	88.0	73.0-121	
Bromodichloromethane	5.00	4.09	81.8	73.0-121	
Bromoform	5.00	4.27	85.4	64.0-132	
Bromomethane	5.00	3.58	71.6	56.0-147	
n-Butylbenzene	5.00	4.52	90.4	68.0-135	
sec-Butylbenzene	5.00	5.03	101	74.0-130	
tert-Butylbenzene	5.00	4.91	98.2	75.0-127	
Carbon tetrachloride	5.00	4.08	81.6	66.0-128	
Chlorobenzene	5.00	4.81	96.2	76.0-128	
Chlorodibromomethane	5.00	4.23	84.6	74.0-127	
Chloroethane	5.00	4.05	81.0	61.0-134	
Chloroform	5.00	4.01	80.2	72.0-123	
Chloromethane	5.00	3.37	67.4	51.0-138	
2-Chlorotoluene	5.00	5.05	101	75.0-124	
4-Chlorotoluene	5.00	4.50	90.0	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.20	84.0	59.0-130	
1,2-Dibromoethane	5.00	4.90	98.0	74.0-128	
Dibromomethane	5.00	4.17	83.4	75.0-122	
1,2-Dichlorobenzene	5.00	4.47	89.4	76.0-124	
1,3-Dichlorobenzene	5.00	4.78	95.6	76.0-125	
1,4-Dichlorobenzene	5.00	4.54	90.8	77.0-121	
Dichlorodifluoromethane	5.00	3.28	65.6	43.0-156	
1,1-Dichloroethane	5.00	4.45	89.0	70.0-127	
1,2-Dichloroethane	5.00	3.40	68.0	65.0-131	
1,1-Dichloroethene	5.00	4.39	87.8	65.0-131	
cis-1,2-Dichloroethene	5.00	4.31	86.2	73.0-125	
trans-1,2-Dichloroethene	5.00	4.28	85.6	71.0-125	
1,2-Dichloropropane	5.00	5.01	100	74.0-125	
1,1-Dichloropropene	5.00	4.45	89.0	73.0-125	
1,3-Dichloropropane	5.00	5.18	104	80.0-125	
cis-1,3-Dichloropropene	5.00	4.43	88.6	76.0-127	
trans-1,3-Dichloropropene	5.00	4.60	92.0	73.0-127	
2,2-Dichloropropane	5.00	4.57	91.4	59.0-135	
Di-isopropyl ether	5.00	4.48	89.6	60.0-136	
Ethylbenzene	5.00	4.75	95.0	74.0-126	
Hexachloro-1,3-butadiene	5.00	3.53	70.6	57.0-150	
Isopropylbenzene	5.00	4.92	98.4	72.0-127	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3830006-2 08/24/22 12:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
p-Isopropyltoluene	5.00	4.61	92.2	72.0-133	
2-Butanone (MEK)	25.0	31.4	126	30.0-160	
Methylene Chloride	5.00	4.52	90.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	26.5	106	56.0-143	
Methyl tert-butyl ether	5.00	4.39	87.8	66.0-132	
Naphthalene	5.00	4.44	88.8	59.0-130	
n-Propylbenzene	5.00	5.06	101	74.0-126	
Styrene	5.00	4.95	99.0	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.49	89.8	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	5.12	102	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.54	90.8	61.0-139	
Tetrachloroethene	5.00	4.79	95.8	70.0-136	
Toluene	5.00	4.88	97.6	75.0-121	
1,2,3-Trichlorobenzene	5.00	3.67	73.4	59.0-139	
1,2,4-Trichlorobenzene	5.00	4.06	81.2	62.0-137	
1,1,1-Trichloroethane	5.00	4.09	81.8	69.0-126	
1,1,2-Trichloroethane	5.00	5.26	105	78.0-123	
Trichloroethene	5.00	4.64	92.8	76.0-126	
Trichlorofluoromethane	5.00	3.66	73.2	61.0-142	
1,2,3-Trichloropropane	5.00	4.62	92.4	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.31	86.2	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.24	84.8	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.38	87.6	73.0-127	
Vinyl chloride	5.00	4.20	84.0	63.0-134	
Xylenes, Total	15.0	14.5	96.7	72.0-127	
Ethyl ether	5.00	4.73	94.6	64.0-137	
Tetrahydrofuran	5.00	6.33	127	37.0-146	
Iodomethane	25.0	18.7	74.8	74.0-134	
Allyl chloride	25.0	25.8	103	70.0-131	
trans-1,4-Dichloro-2-butene	5.00	4.85	97.0	45.0-143	
(S) Toluene-d8			113	75.0-131	
(S) 4-Bromofluorobenzene			104	67.0-138	
(S) 1,2-Dichloroethane-d4			84.7	70.0-130	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

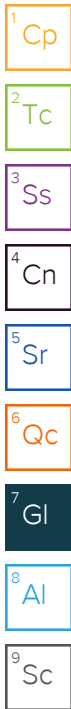
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
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.
J3	The associated batch QC was outside the established quality control range for precision.
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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 1 of 1

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Shannon.McKernan@nv5.com;brian.oneal@nv5.com

Project Description:
American Linen

City/State
Collected: **Seattle, WA**

Please Circle:
PT MT CT ET

Phone: 206-529-3980

Client Project #
1413.001.10.701 TASK

Lab Project #
PESENVSWA-ALP

Collected by (print):
Natale Wisdom

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):
Natale Wisdom

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

No.
of
Cnts

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cnts	ALK 125mlHDPE-NoPres	CHLORIDE,NITRATE 125mlHDPE-NoPres	FEG,MNG 250mlHDPE-HNO3	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl			
MW-161-081222	Grab	GW		8/12/22	1035	8			X		X	X	X	X			01
Rmw-129-081222		GW		↓	0901	8			X		X	X	X	X			02
MW-189-081122		GW		8/11/22	1256	1			X		X	X	X	X			03
MW-190-081122		GW		↓	1340				X		X	X	X	X			04
MW-119-081122		GW		↓	1136				X		X	X	X	X			05
MW-110-081122		GW		↓	0854				X		X	X	X	X			06
MW-977-081222		GW		8/12/22	1200				X		X	X	X	X			07
MW-160-081222		GW		↓	0910				X		X	X	X	X			08
MW-143-081222	✓	GW		↓	1103	↓			X		X	X	X	X			09
Trip Blank		GW		↓		1								X			10



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>

SDG # **L1525285**
H151

Acctnum: PESENVSWA
Template: T213317
Prelogin: P939358
PM: 546 - Jared Starkey
PB:

Shipped Via:
Remarks Sample # (lab only)

* 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:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
COC Signed/Accurate:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Bottles arrive intact:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Correct bottles used:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Sufficient volume sent:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
If Applicable	
VOA Zero Headspace:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Preservation Correct/Checked:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
RAD Screen <0.5 mR/hr:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>

Samples returned via:
 UPS FedEx Courier

Tracking #

5318 9957 9578

Relinquished by: (Signature)
Natale Wisdom

Date: 8/12/22
Time: 1742

Received by: (Signature)

Trip Blank Received: (Yes/No)
1 / MeOH TBR

Relinquished by: (Signature)

Date: _____
Time: _____

Received by: (Signature)

Temp: 1.34 = 1.3 °C
Bottles Received: 72

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: _____
Time: _____

Received for lab by: (Signature)

Date: 8/15/22
Time: 0900

Hold: _____
Condition: NCF / OK

cooler #2/1

8/15/22 - NCF L1525285 PESENVSWA

R5

Time estimate: oh

Time spent: oh

Members

- Matthew Shacklock (responsible)
- JS Jared Starkey

- Login Clarification needed
- Chain of custody is incomplete
- Please specify Metals requested
- Please specify TCLP requested
- Received additional samples not listed on COC
- Sample IDs on containers do not match IDs on COC
- Client did not "X" analysis
- Chain of Custody is missing
- If no COC: Received by: _____
- If no COC: Date/Time: _____
- If no COC: Temp./Cont.Rec./pH: _____
- If no COC: Carrier: _____
- If no COC: Tracking #: _____
- Client informed by call
- Client informed by Email
- Client informed by Voicemail
- Date/Time: _____
- PM initials: _____
- Client Contact: _____

Comments

- Matthew Shacklock*

Bottle says FMW and chain says RMW. Logged per chain.

15 August 2022 9:59 AM
- Jared Starkey*

continue

15 August 2022 11:18 AM
- Matthew Shacklock*

Done

15 August 2022 11:18 AM

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 1 of 1

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Shannon.McKernan@nv5.com;brian.oneal@nv5.com

Project Description:
American Linen

City/State
Collected: **Seattle, WA**

Please Circle:
PT MT CT ET

Phone: 206-529-3980

Client Project #
1413.001.10.701 TASK

Lab Project #
PESENVSWA-ALP

Collected by (print):
Natale Wisdom

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):
Natale Wisdom

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

No.
of
Ctrs

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

Ctr

ALK 125mlHDPE-NoPres
 CHLORIDE,NITRATE 125mlHDPE-NoPres
 FEG,MNG 250mlHDPE-HNO3
 NWTPTHGX 40mlAmb HCl
 RSK175LL 40mlAmb-HCl
 SULFATE 125mlHDPE-NoPres
 TOC 250mlHDPE-HCl
 V8260ULLC 40mlAmb-HCl

Pace
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>

SDG # **L1525285**

H151

Acctnum: PESENVSWA
 Template: T213317
 Prelogin: P939358
 PM: 546 - Jared Starkey
 PB:

Shipped Via:

Remarks	Sample # (lab only)
	01
	02
	03
	04
	05
	06
	07
	08
	09
	10

MW-161-081222 FMW-129-081222	Grab	GW		8/12/22	1035	8		X	X	X	X	X					01	
MW-129-081222		GW				8		X	X	X	X	X						02
MW-189-081122		GW		8/11/22	1256	1		X	X	X	X	X						03
MW-190-081122		GW			1340	1		X	X	X	X	X						04
MW119 MW-119-081122		GW			1136	1		X	X	X	X	X						05
MW110 MW-110-081122		GW			0854	1		X	X	X	X	X						06
MW-977-081222		GW		8/12/22	1260	1		X	X	X	X	X						07
MW-160-081222		GW			0910	1		X	X	X	X	X						08
MW-143-081222	✓	GW			1103	1		X	X	X	X	X						09
Trip Blank TB1-081222		GW				1												10

* 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:	Y/N	Y	N
COC Signed/Accurate:	Y/N	X	N
Bottles arrive intact:	Y/N	Y	N
Correct bottles used:	Y/N	Y	N
Sufficient volume sent:	Y/N	Y	N
VOA Zero Headspace:	Y/N	Y	N
Preservation Correct/Checked:	Y/N	Y	N
RAD Screen <0.5 mR/hr:	Y/N	Y	N

Relinquished by: (Signature)
Natale Wisdom

Date: 8/12/22
Time: 1742

Received by: (Signature)

Trip Blank Received: (Yes/No)
1 R2/MeOH
TBR

Relinquished by: (Signature)

Date:

Received by: (Signature)

Temp: 1.84 ± 0.13 °C
Bottles Received: 72

If preservation required by Login: Date/Time

Relinquished by: (Signature)

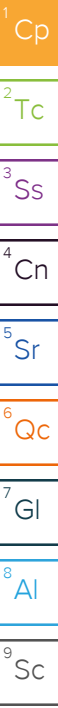
Date:

Received for lab by: (Signature)
[Signature]

Date: 8/15/22
Time: 0900

Hold: Condition: NCF / OK

cooler #2/n



PES Environmental, Inc.- WA

Sample Delivery Group: L1528880
Samples Received: 08/24/2022
Project Number: 1413.001.10.701 TASK
Description: American Linen

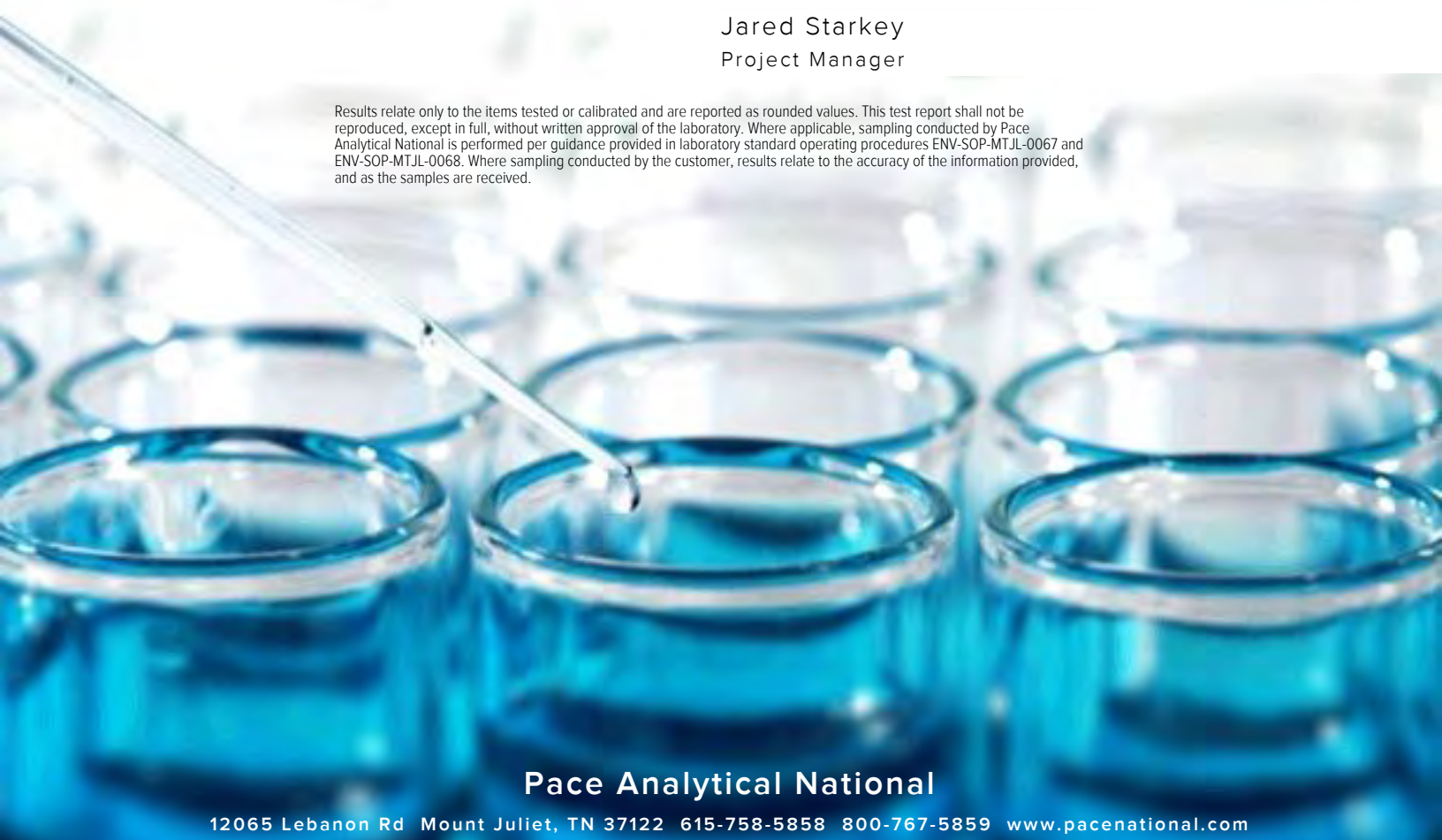
Report To: Brian O'Neal/Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

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 www.pacenational.com

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SAMPLE SUMMARY

MW104-082322 L1528880-01 GW

Collected by SEM Collected date/time 08/23/22 12:45 Received date/time 08/24/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1916342	1	08/26/22 04:33	08/26/22 04:33	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1919870	1	09/07/22 18:06	09/07/22 18:06	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1918324	1	08/31/22 04:42	08/31/22 15:06	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1916684	1	08/29/22 15:57	08/29/22 15:57	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1920159	1	09/01/22 15:36	09/01/22 15:36	JAH	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

MW-144R-082322 L1528880-02 GW

Collected by SEM Collected date/time 08/23/22 13:34 Received date/time 08/24/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1916342	1	08/26/22 05:14	08/26/22 05:14	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1919870	1	09/07/22 18:22	09/07/22 18:22	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1918324	1	08/31/22 04:42	08/31/22 15:15	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1916684	1	08/29/22 16:01	08/29/22 16:01	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1918228	10	08/30/22 09:52	08/30/22 09:52	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1920159	1	09/01/22 15:58	09/01/22 15:58	JAH	Mt. Juliet, TN

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	3220	J	594	5000	1	08/26/2022 04:33	WG1916342

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)	1820	B	102	1000	1	09/07/2022 18:06	WG1919870

Metals (ICPMS) by Method 6020B

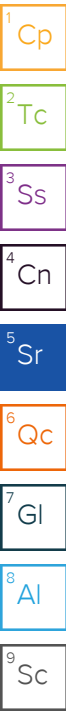
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5200		28.1	100	1	08/31/2022 15:06	WG1918324
Manganese	536		0.704	5.00	1	08/31/2022 15:06	WG1918324

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	133		0.287	0.678	1	08/29/2022 15:57	WG1916684
Ethane	U		0.296	1.29	1	08/29/2022 15:57	WG1916684
Ethene	8.20		0.422	1.27	1	08/29/2022 15:57	WG1916684

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	4.30		0.548	1.00	1	09/01/2022 15:36	WG1920159
Acrylonitrile	U		0.0760	0.500	1	09/01/2022 15:36	WG1920159
Benzene	U		0.0160	0.0400	1	09/01/2022 15:36	WG1920159
Bromobenzene	U		0.0420	0.500	1	09/01/2022 15:36	WG1920159
Bromodichloromethane	U		0.0315	0.100	1	09/01/2022 15:36	WG1920159
Bromoform	U		0.239	1.00	1	09/01/2022 15:36	WG1920159
Bromomethane	U		0.148	0.500	1	09/01/2022 15:36	WG1920159
n-Butylbenzene	U		0.153	0.500	1	09/01/2022 15:36	WG1920159
sec-Butylbenzene	U		0.101	0.500	1	09/01/2022 15:36	WG1920159
tert-Butylbenzene	U		0.0620	0.200	1	09/01/2022 15:36	WG1920159
Carbon tetrachloride	U		0.0432	0.200	1	09/01/2022 15:36	WG1920159
Chlorobenzene	U		0.0229	0.100	1	09/01/2022 15:36	WG1920159
Chlorodibromomethane	U		0.0180	0.100	1	09/01/2022 15:36	WG1920159
Chloroethane	U		0.0432	0.200	1	09/01/2022 15:36	WG1920159
Chloroform	U		0.0166	0.100	1	09/01/2022 15:36	WG1920159
Chloromethane	U		0.0556	0.500	1	09/01/2022 15:36	WG1920159
2-Chlorotoluene	U		0.0368	0.100	1	09/01/2022 15:36	WG1920159
4-Chlorotoluene	U		0.0452	0.200	1	09/01/2022 15:36	WG1920159
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	09/01/2022 15:36	WG1920159
1,2-Dibromoethane	U		0.0210	0.100	1	09/01/2022 15:36	WG1920159
Dibromomethane	U		0.0400	0.200	1	09/01/2022 15:36	WG1920159
1,2-Dichlorobenzene	U		0.0580	0.200	1	09/01/2022 15:36	WG1920159
1,3-Dichlorobenzene	U		0.0680	0.200	1	09/01/2022 15:36	WG1920159
1,4-Dichlorobenzene	U		0.0788	0.200	1	09/01/2022 15:36	WG1920159
Dichlorodifluoromethane	U		0.0327	0.100	1	09/01/2022 15:36	WG1920159
1,1-Dichloroethane	U		0.0230	0.100	1	09/01/2022 15:36	WG1920159
1,2-Dichloroethane	U		0.0190	0.100	1	09/01/2022 15:36	WG1920159
1,1-Dichloroethene	0.293		0.0200	0.100	1	09/01/2022 15:36	WG1920159
cis-1,2-Dichloroethene	4.66		0.0276	0.100	1	09/01/2022 15:36	WG1920159
trans-1,2-Dichloroethene	0.234		0.0572	0.200	1	09/01/2022 15:36	WG1920159
1,2-Dichloropropane	U		0.0508	0.200	1	09/01/2022 15:36	WG1920159



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	09/01/2022 15:36	WG1920159
1,3-Dichloropropane	U		0.0700	0.200	1	09/01/2022 15:36	WG1920159
cis-1,3-Dichloropropene	U		0.0271	0.100	1	09/01/2022 15:36	WG1920159
trans-1,3-Dichloropropene	U		0.0612	0.200	1	09/01/2022 15:36	WG1920159
2,2-Dichloropropane	U		0.0317	0.100	1	09/01/2022 15:36	WG1920159
Di-isopropyl ether	U		0.0140	0.0400	1	09/01/2022 15:36	WG1920159
Ethylbenzene	U		0.0212	0.100	1	09/01/2022 15:36	WG1920159
Hexachloro-1,3-butadiene	U		0.508	1.00	1	09/01/2022 15:36	WG1920159
Isopropylbenzene	U		0.0345	0.100	1	09/01/2022 15:36	WG1920159
p-Isopropyltoluene	U		0.0932	0.200	1	09/01/2022 15:36	WG1920159
2-Butanone (MEK)	U	J3	0.500	1.00	1	09/01/2022 15:36	WG1920159
Methylene Chloride	U		0.265	1.00	1	09/01/2022 15:36	WG1920159
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	09/01/2022 15:36	WG1920159
Methyl tert-butyl ether	U		0.0118	0.0400	1	09/01/2022 15:36	WG1920159
Naphthalene	U	J4	0.124	0.500	1	09/01/2022 15:36	WG1920159
n-Propylbenzene	U		0.0472	0.200	1	09/01/2022 15:36	WG1920159
Styrene	U		0.109	0.500	1	09/01/2022 15:36	WG1920159
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	09/01/2022 15:36	WG1920159
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	09/01/2022 15:36	WG1920159
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	09/01/2022 15:36	WG1920159
Tetrachloroethene	U		0.0280	0.100	1	09/01/2022 15:36	WG1920159
Toluene	U		0.0500	0.200	1	09/01/2022 15:36	WG1920159
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	09/01/2022 15:36	WG1920159
1,2,4-Trichlorobenzene	U		0.193	0.500	1	09/01/2022 15:36	WG1920159
1,1,1-Trichloroethane	U		0.0110	0.100	1	09/01/2022 15:36	WG1920159
1,1,2-Trichloroethane	U		0.0353	0.100	1	09/01/2022 15:36	WG1920159
Trichloroethene	U		0.0160	0.0400	1	09/01/2022 15:36	WG1920159
Trichlorofluoromethane	U		0.0200	0.100	1	09/01/2022 15:36	WG1920159
1,2,3-Trichloropropane	U		0.204	0.500	1	09/01/2022 15:36	WG1920159
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	09/01/2022 15:36	WG1920159
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	09/01/2022 15:36	WG1920159
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	09/01/2022 15:36	WG1920159
Vinyl chloride	14.4		0.0273	0.100	1	09/01/2022 15:36	WG1920159
Xylenes, Total	U		0.191	0.260	1	09/01/2022 15:36	WG1920159
Ethyl Ether	U		0.0170	0.100	1	09/01/2022 15:36	WG1920159
Tetrahydrofuran	2.67	J3	0.0900	0.500	1	09/01/2022 15:36	WG1920159
Iodomethane	U		0.242	0.500	1	09/01/2022 15:36	WG1920159
Allyl chloride	U		0.580	1.00	1	09/01/2022 15:36	WG1920159
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	09/01/2022 15:36	WG1920159
(S) Toluene-d8	112			75.0-131		09/01/2022 15:36	WG1920159
(S) 4-Bromofluorobenzene	108			67.0-138		09/01/2022 15:36	WG1920159
(S) 1,2-Dichloroethane-d4	94.6			70.0-130		09/01/2022 15:36	WG1920159

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	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1230	J	594	5000	1	08/26/2022 05:14	WG1916342

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)	4180		102	1000	1	09/07/2022 18:22	WG1919870

Metals (ICPMS) by Method 6020B

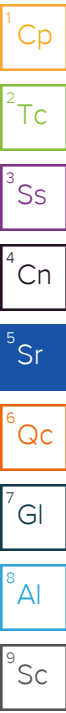
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2300		28.1	100	1	08/31/2022 15:15	WG1918324
Manganese	1250		0.704	5.00	1	08/31/2022 15:15	WG1918324

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	20100		2.87	6.78	10	08/30/2022 09:52	WG1918228
Ethane	121		0.296	1.29	1	08/29/2022 16:01	WG1916684
Ethene	8.01		0.422	1.27	1	08/29/2022 16:01	WG1916684

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	3.65		0.548	1.00	1	09/01/2022 15:58	WG1920159
Acrylonitrile	U		0.0760	0.500	1	09/01/2022 15:58	WG1920159
Benzene	U		0.0160	0.0400	1	09/01/2022 15:58	WG1920159
Bromobenzene	U		0.0420	0.500	1	09/01/2022 15:58	WG1920159
Bromodichloromethane	U		0.0315	0.100	1	09/01/2022 15:58	WG1920159
Bromoform	U		0.239	1.00	1	09/01/2022 15:58	WG1920159
Bromomethane	U		0.148	0.500	1	09/01/2022 15:58	WG1920159
n-Butylbenzene	U		0.153	0.500	1	09/01/2022 15:58	WG1920159
sec-Butylbenzene	U		0.101	0.500	1	09/01/2022 15:58	WG1920159
tert-Butylbenzene	U		0.0620	0.200	1	09/01/2022 15:58	WG1920159
Carbon tetrachloride	U		0.0432	0.200	1	09/01/2022 15:58	WG1920159
Chlorobenzene	U		0.0229	0.100	1	09/01/2022 15:58	WG1920159
Chlorodibromomethane	U		0.0180	0.100	1	09/01/2022 15:58	WG1920159
Chloroethane	U		0.0432	0.200	1	09/01/2022 15:58	WG1920159
Chloroform	U		0.0166	0.100	1	09/01/2022 15:58	WG1920159
Chloromethane	U		0.0556	0.500	1	09/01/2022 15:58	WG1920159
2-Chlorotoluene	U		0.0368	0.100	1	09/01/2022 15:58	WG1920159
4-Chlorotoluene	U		0.0452	0.200	1	09/01/2022 15:58	WG1920159
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	09/01/2022 15:58	WG1920159
1,2-Dibromoethane	U		0.0210	0.100	1	09/01/2022 15:58	WG1920159
Dibromomethane	U		0.0400	0.200	1	09/01/2022 15:58	WG1920159
1,2-Dichlorobenzene	U		0.0580	0.200	1	09/01/2022 15:58	WG1920159
1,3-Dichlorobenzene	U		0.0680	0.200	1	09/01/2022 15:58	WG1920159
1,4-Dichlorobenzene	U		0.0788	0.200	1	09/01/2022 15:58	WG1920159
Dichlorodifluoromethane	U		0.0327	0.100	1	09/01/2022 15:58	WG1920159
1,1-Dichloroethane	U		0.0230	0.100	1	09/01/2022 15:58	WG1920159
1,2-Dichloroethane	U		0.0190	0.100	1	09/01/2022 15:58	WG1920159
1,1-Dichloroethene	U		0.0200	0.100	1	09/01/2022 15:58	WG1920159
cis-1,2-Dichloroethene	0.150		0.0276	0.100	1	09/01/2022 15:58	WG1920159
trans-1,2-Dichloroethene	U		0.0572	0.200	1	09/01/2022 15:58	WG1920159
1,2-Dichloropropane	U		0.0508	0.200	1	09/01/2022 15:58	WG1920159



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	09/01/2022 15:58	WG1920159
1,3-Dichloropropane	U		0.0700	0.200	1	09/01/2022 15:58	WG1920159
cis-1,3-Dichloropropene	U		0.0271	0.100	1	09/01/2022 15:58	WG1920159
trans-1,3-Dichloropropene	U		0.0612	0.200	1	09/01/2022 15:58	WG1920159
2,2-Dichloropropane	U		0.0317	0.100	1	09/01/2022 15:58	WG1920159
Di-isopropyl ether	U		0.0140	0.0400	1	09/01/2022 15:58	WG1920159
Ethylbenzene	U		0.0212	0.100	1	09/01/2022 15:58	WG1920159
Hexachloro-1,3-butadiene	U		0.508	1.00	1	09/01/2022 15:58	WG1920159
Isopropylbenzene	U		0.0345	0.100	1	09/01/2022 15:58	WG1920159
p-Isopropyltoluene	U		0.0932	0.200	1	09/01/2022 15:58	WG1920159
2-Butanone (MEK)	U	J3	0.500	1.00	1	09/01/2022 15:58	WG1920159
Methylene Chloride	U		0.265	1.00	1	09/01/2022 15:58	WG1920159
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	09/01/2022 15:58	WG1920159
Methyl tert-butyl ether	U		0.0118	0.0400	1	09/01/2022 15:58	WG1920159
Naphthalene	U	J4	0.124	0.500	1	09/01/2022 15:58	WG1920159
n-Propylbenzene	U		0.0472	0.200	1	09/01/2022 15:58	WG1920159
Styrene	U		0.109	0.500	1	09/01/2022 15:58	WG1920159
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	09/01/2022 15:58	WG1920159
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	09/01/2022 15:58	WG1920159
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	09/01/2022 15:58	WG1920159
Tetrachloroethene	U		0.0280	0.100	1	09/01/2022 15:58	WG1920159
Toluene	U		0.0500	0.200	1	09/01/2022 15:58	WG1920159
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	09/01/2022 15:58	WG1920159
1,2,4-Trichlorobenzene	U		0.193	0.500	1	09/01/2022 15:58	WG1920159
1,1,1-Trichloroethane	U		0.0110	0.100	1	09/01/2022 15:58	WG1920159
1,1,2-Trichloroethane	U		0.0353	0.100	1	09/01/2022 15:58	WG1920159
Trichloroethene	0.0970		0.0160	0.0400	1	09/01/2022 15:58	WG1920159
Trichlorofluoromethane	U		0.0200	0.100	1	09/01/2022 15:58	WG1920159
1,2,3-Trichloropropane	U		0.204	0.500	1	09/01/2022 15:58	WG1920159
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	09/01/2022 15:58	WG1920159
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	09/01/2022 15:58	WG1920159
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	09/01/2022 15:58	WG1920159
Vinyl chloride	0.151		0.0273	0.100	1	09/01/2022 15:58	WG1920159
Xylenes, Total	U		0.191	0.260	1	09/01/2022 15:58	WG1920159
Ethyl Ether	U		0.0170	0.100	1	09/01/2022 15:58	WG1920159
Tetrahydrofuran	U	J3	0.0900	0.500	1	09/01/2022 15:58	WG1920159
Iodomethane	U		0.242	0.500	1	09/01/2022 15:58	WG1920159
Allyl chloride	U		0.580	1.00	1	09/01/2022 15:58	WG1920159
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	09/01/2022 15:58	WG1920159
(S) Toluene-d8	108			75.0-131		09/01/2022 15:58	WG1920159
(S) 4-Bromofluorobenzene	101			67.0-138		09/01/2022 15:58	WG1920159
(S) 1,2-Dichloroethane-d4	98.7			70.0-130		09/01/2022 15:58	WG1920159

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3830811-1 08/25/22 22:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfate	U		594	5000

¹Cp

²Tc

³Ss

L1528606-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1528606-08 08/25/22 22:44 • (DUP) R3830811-3 08/25/22 22:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	27300	27800	1	1.86		15

⁴Cn

⁵Sr

L1528880-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1528880-01 08/26/22 04:33 • (DUP) R3830811-6 08/26/22 04:47

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfate	3220	3190	1	0.909	↓	15

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3830811-2 08/25/22 22:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfate	40000	39400	98.6	80.0-120	

L1528606-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528606-08 08/25/22 22:44 • (MS) R3830811-4 08/25/22 23:12 • (MSD) R3830811-5 08/25/22 23:26

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfate	50000	27300	77100	79200	99.8	104	1	80.0-120			2.57	15

L1528880-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1528880-01 08/26/22 04:33 • (MS) R3830811-7 08/26/22 05:01

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Sulfate	50000	3220	54700	103	1	80.0-120	

Method Blank (MB)

(MB) R3834805-2 09/07/22 10:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	288	↓	102	1000

¹Cp

²Tc

³Ss

L1521509-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1521509-01 09/07/22 11:54 • (DUP) R3834805-3 09/07/22 12:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	1460	1470	1	1.02		20

⁴Cn

⁵Sr

L1528761-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1528761-01 09/07/22 12:58 • (DUP) R3834805-4 09/07/22 13:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	378	414	1	9.07	↓	20

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3834805-1 09/07/22 10:41

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	75000	72800	97.1	85.0-115	

L1528772-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528772-07 09/07/22 16:32 • (MS) R3834805-5 09/07/22 16:53 • (MSD) R3834805-6 09/07/22 17:13

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	50000	1430	55800	57800	109	113	1	80.0-120			3.43	20

L1528880-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1528880-02 09/07/22 18:22 • (MS) R3834805-7 09/07/22 18:43 • (MSD) R3834805-8 09/07/22 19:04

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	50000	4180	56900	58700	105	109	1	80.0-120			3.17	20

Method Blank (MB)

(MB) R3832529-1 08/31/22 14:36

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3832529-2 08/31/22 14:39

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Iron	5000	4900	98.0	80.0-120	
Manganese	50.0	47.4	94.9	80.0-120	

L1529005-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529005-08 08/31/22 14:43 • (MS) R3832529-4 08/31/22 14:49 • (MSD) R3832529-5 08/31/22 14:53

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Iron	5000	118	5110	5170	99.9	101	1	75.0-125			1.19	20
Manganese	50.0	41.2	89.3	88.7	96.2	95.1	1	75.0-125			0.622	20

Method Blank (MB)

(MB) R3831605-2 08/29/22 13:03

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

L1528731-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1528731-19 08/29/22 15:13 • (DUP) R3831605-3 08/29/22 15:26

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

L1528731-30 Original Sample (OS) • Duplicate (DUP)

(OS) L1528731-30 08/29/22 15:50 • (DUP) R3831605-4 08/29/22 16:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
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) R3831605-1 08/29/22 12:59 • (LCSD) R3831605-5 08/29/22 16:09

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	70.0	69.5	103	103	85.0-115			0.717	20
Ethane	129	119	115	92.2	89.1	85.0-115			3.42	20
Ethene	127	120	116	94.5	91.3	85.0-115			3.39	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3831886-2 08/30/22 09:49

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Methane	U		0.287	0.678

L1529193-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1529193-04 08/30/22 10:26 • (DUP) R3831886-3 08/30/22 10:28

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	U	U	1	0.000		20

L1530158-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1530158-01 08/30/22 11:58 • (DUP) R3831886-4 08/30/22 12:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Methane	U	U	1	0.000		20

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

(LCS) R3831886-1 08/30/22 09:45 • (LCSD) R3831886-7 08/30/22 12:21

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Methane	67.8	68.6	76.8	101	113	85.0-115			11.3	20

L1529363-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529363-03 08/30/22 11:16 • (MS) R3831886-5 08/30/22 12:04 • (MSD) R3831886-6 08/30/22 12:09

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Methane	67.8	23.1	68.9	75.6	67.6	77.4	1	85.0-115	J6	J6	9.27	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3833199-3 09/01/22 13:02

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
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 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
Dichlorodifluoromethane	U		0.0327	0.100
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
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
Isopropylbenzene	U		0.0345	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3833199-3 09/01/22 13:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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 chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Ethyl ether	U		0.0170	0.100
Tetrahydrofuran	U		0.0900	0.500
Iodomethane	U		0.242	0.500
Allyl Chloride	U		0.580	1.00
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	113			75.0-131
(S) 4-Bromofluorobenzene	108			67.0-138
(S) 1,2-Dichloroethane-d4	98.4			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R3833199-1 09/01/22 11:59 • (LCSD) R3833199-2 09/01/22 12:20

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	25.8	24.6	103	98.4	10.0-160			4.76	31
Acrylonitrile	25.0	26.0	26.2	104	105	45.0-153			0.766	22
Benzene	5.00	5.29	5.35	106	107	70.0-123			1.13	20
Bromobenzene	5.00	5.13	4.93	103	98.6	73.0-121			3.98	20
Bromodichloromethane	5.00	4.71	4.84	94.2	96.8	73.0-121			2.72	20
Bromoform	5.00	5.22	5.27	104	105	64.0-132			0.953	20
Bromomethane	5.00	4.41	4.72	88.2	94.4	56.0-147			6.79	20
n-Butylbenzene	5.00	5.27	5.51	105	110	68.0-135			4.45	20
sec-Butylbenzene	5.00	5.25	5.15	105	103	74.0-130			1.92	20
tert-Butylbenzene	5.00	4.29	3.88	85.8	77.6	75.0-127			10.0	20
Carbon tetrachloride	5.00	4.78	4.88	95.6	97.6	66.0-128			2.07	20
Chlorobenzene	5.00	4.87	5.03	97.4	101	76.0-128			3.23	20
Chlorodibromomethane	5.00	5.05	5.12	101	102	74.0-127			1.38	20
Chloroethane	5.00	5.43	5.88	109	118	61.0-134			7.96	20
Chloroform	5.00	4.75	4.89	95.0	97.8	72.0-123			2.90	20
Chloromethane	5.00	5.60	5.32	112	106	51.0-138			5.13	20
2-Chlorotoluene	5.00	4.90	4.97	98.0	99.4	75.0-124			1.42	20
4-Chlorotoluene	5.00	5.15	4.91	103	98.2	75.0-124			4.77	20
1,2-Dibromo-3-Chloropropane	5.00	5.59	5.35	112	107	59.0-130			4.39	20
1,2-Dibromoethane	5.00	4.73	4.63	94.6	92.6	74.0-128			2.14	20
Dibromomethane	5.00	4.80	4.64	96.0	92.8	75.0-122			3.39	20
1,2-Dichlorobenzene	5.00	5.46	5.35	109	107	76.0-124			2.04	20
1,3-Dichlorobenzene	5.00	5.11	4.76	102	95.2	76.0-125			7.09	20
1,4-Dichlorobenzene	5.00	5.21	5.08	104	102	77.0-121			2.53	20
Dichlorodifluoromethane	5.00	4.28	4.36	85.6	87.2	43.0-156			1.85	20
1,1-Dichloroethane	5.00	4.56	4.59	91.2	91.8	70.0-127			0.656	20
1,2-Dichloroethane	5.00	5.21	5.29	104	106	65.0-131			1.52	20
1,1-Dichloroethene	5.00	5.02	4.97	100	99.4	65.0-131			1.00	20
cis-1,2-Dichloroethene	5.00	4.69	4.94	93.8	98.8	73.0-125			5.19	20
trans-1,2-Dichloroethene	5.00	4.49	4.47	89.8	89.4	71.0-125			0.446	20
1,2-Dichloropropane	5.00	4.51	4.46	90.2	89.2	74.0-125			1.11	20
1,1-Dichloropropene	5.00	4.87	4.70	97.4	94.0	73.0-125			3.55	20
1,3-Dichloropropane	5.00	5.03	5.03	101	101	80.0-125			0.000	20
cis-1,3-Dichloropropene	5.00	4.75	4.34	95.0	86.8	76.0-127			9.02	20
trans-1,3-Dichloropropene	5.00	4.72	4.56	94.4	91.2	73.0-127			3.45	20
2,2-Dichloropropane	5.00	4.60	5.07	92.0	101	59.0-135			9.72	20
Di-isopropyl ether	5.00	5.45	5.42	109	108	60.0-136			0.552	20
Ethylbenzene	5.00	4.77	5.13	95.4	103	74.0-126			7.27	20
Hexachloro-1,3-butadiene	5.00	5.41	6.18	108	124	57.0-150			13.3	20
Isopropylbenzene	5.00	5.48	5.57	110	111	72.0-127			1.63	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3833199-1 09/01/22 11:59 • (LCSD) R3833199-2 09/01/22 12:20

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 %
p-Isopropyltoluene	5.00	5.03	5.10	101	102	72.0-133			1.38	20
2-Butanone (MEK)	25.0	24.6	31.7	98.4	127	30.0-160		J3	25.2	24
Methylene Chloride	5.00	4.72	4.48	94.4	89.6	68.0-123			5.22	20
4-Methyl-2-pentanone (MIBK)	25.0	29.9	30.6	120	122	56.0-143			2.31	20
Methyl tert-butyl ether	5.00	5.20	5.31	104	106	66.0-132			2.09	20
Naphthalene	5.00	6.65	6.60	133	132	59.0-130	J4	J4	0.755	20
n-Propylbenzene	5.00	5.11	5.00	102	100	74.0-126			2.18	20
Styrene	5.00	5.37	5.39	107	108	72.0-127			0.372	20
1,1,1,2-Tetrachloroethane	5.00	5.23	5.03	105	101	74.0-129			3.90	20
1,1,2,2-Tetrachloroethane	5.00	5.12	5.04	102	101	68.0-128			1.57	20
1,1,2-Trichlorotrifluoroethane	5.00	4.90	5.45	98.0	109	61.0-139			10.6	20
Tetrachloroethene	5.00	5.10	5.04	102	101	70.0-136			1.18	20
Toluene	5.00	5.43	5.49	109	110	75.0-121			1.10	20
1,2,3-Trichlorobenzene	5.00	5.66	6.22	113	124	59.0-139			9.43	20
1,2,4-Trichlorobenzene	5.00	5.68	5.94	114	119	62.0-137			4.48	20
1,1,1-Trichloroethane	5.00	4.93	4.90	98.6	98.0	69.0-126			0.610	20
1,1,2-Trichloroethane	5.00	4.84	5.11	96.8	102	78.0-123			5.43	20
Trichloroethene	5.00	5.04	5.12	101	102	76.0-126			1.57	20
Trichlorofluoromethane	5.00	5.23	4.69	105	93.8	61.0-142			10.9	20
1,2,3-Trichloropropane	5.00	5.24	5.22	105	104	67.0-129			0.382	20
1,2,4-Trimethylbenzene	5.00	5.30	5.24	106	105	70.0-126			1.14	20
1,2,3-Trimethylbenzene	5.00	5.52	5.47	110	109	74.0-124			0.910	20
1,3,5-Trimethylbenzene	5.00	5.18	4.94	104	98.8	73.0-127			4.74	20
Vinyl chloride	5.00	4.99	4.79	99.8	95.8	63.0-134			4.09	20
Xylenes, Total	15.0	15.7	16.1	105	107	72.0-127			2.52	20
Ethyl ether	5.00	5.59	5.75	112	115	64.0-137			2.82	20
Tetrahydrofuran	5.00	5.21	7.28	104	146	37.0-146		J3	33.1	24
Iodomethane	25.0	21.6	22.3	86.4	89.2	74.0-134			3.19	20
Allyl chloride	25.0	22.9	23.3	91.6	93.2	70.0-131			1.73	20
trans-1,4-Dichloro-2-butene	5.00	4.59	6.90	91.8	138	45.0-143		J3	40.2	20
(S) Toluene-d8				107	107	75.0-131				
(S) 4-Bromofluorobenzene				102	104	67.0-138				
(S) 1,2-Dichloroethane-d4				103	104	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1529943-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529943-05 09/01/22 16:39 • (MS) R3833199-4 09/01/22 18:25 • (MSD) R3833199-5 09/01/22 18:47

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 %
Acetone	25.0	U	26.3	28.4	105	114	1	10.0-160			7.68	40
Acrylonitrile	25.0	U	25.4	25.9	102	104	1	10.0-160			1.95	40
Benzene	5.00	U	5.69	5.13	114	103	1	10.0-149			10.4	37
Bromobenzene	5.00	U	5.44	5.35	109	107	1	10.0-156			1.67	38
Bromodichloromethane	5.00	U	5.18	4.80	104	96.0	1	10.0-143			7.62	37
Bromoform	5.00	U	5.81	5.81	116	116	1	10.0-146			0.000	36
Bromomethane	5.00	U	4.89	4.87	97.8	97.4	1	10.0-149			0.410	38
n-Butylbenzene	5.00	U	5.54	5.19	111	104	1	10.0-160			6.52	40
sec-Butylbenzene	5.00	U	5.49	5.23	110	105	1	10.0-159			4.85	39
tert-Butylbenzene	5.00	U	4.61	4.05	92.2	81.0	1	10.0-156			12.9	39
Carbon tetrachloride	5.00	U	5.80	5.09	116	102	1	10.0-145			13.0	37
Chlorobenzene	5.00	U	5.24	4.90	105	98.0	1	10.0-152			6.71	39
Chlorodibromomethane	5.00	U	5.68	5.33	114	107	1	10.0-146			6.36	37
Chloroethane	5.00	U	6.85	6.44	137	129	1	10.0-146			6.17	40
Chloroform	5.00	1.71	6.86	6.51	103	96.0	1	10.0-146			5.24	37
Chloromethane	5.00	U	6.00	5.65	120	113	1	10.0-159			6.01	37
2-Chlorotoluene	5.00	U	5.36	4.80	107	96.0	1	10.0-159			11.0	38
4-Chlorotoluene	5.00	U	5.35	4.54	107	90.8	1	10.0-155			16.4	39
1,2-Dibromo-3-Chloropropane	5.00	U	5.29	5.15	106	103	1	10.0-151			2.68	39
1,2-Dibromoethane	5.00	U	4.73	5.23	94.6	105	1	10.0-148			10.0	34
Dibromomethane	5.00	U	5.05	4.88	101	97.6	1	10.0-147			3.42	35
1,2-Dichlorobenzene	5.00	U	5.37	5.55	107	111	1	10.0-155			3.30	37
1,3-Dichlorobenzene	5.00	U	5.57	5.09	111	102	1	10.0-153			9.01	38
1,4-Dichlorobenzene	5.00	U	5.28	5.32	106	106	1	10.0-151			0.755	38
Dichlorodifluoromethane	5.00	U	4.97	4.90	99.4	98.0	1	10.0-160			1.42	35
1,1-Dichloroethane	5.00	U	4.99	4.49	99.8	89.8	1	10.0-147			10.5	37
1,2-Dichloroethane	5.00	U	5.27	5.34	105	107	1	10.0-148			1.32	35
1,1-Dichloroethene	5.00	U	5.49	5.03	110	101	1	10.0-155			8.75	37
cis-1,2-Dichloroethene	5.00	U	4.90	4.70	98.0	94.0	1	10.0-149			4.17	37
trans-1,2-Dichloroethene	5.00	U	4.60	4.26	92.0	85.2	1	10.0-150			7.67	37
1,2-Dichloropropane	5.00	U	5.00	4.61	100	92.2	1	10.0-148			8.12	37
1,1-Dichloropropene	5.00	U	5.35	4.68	107	93.6	1	10.0-153			13.4	35
1,3-Dichloropropane	5.00	U	5.35	5.51	107	110	1	10.0-154			2.95	35
cis-1,3-Dichloropropene	5.00	U	4.66	4.48	93.2	89.6	1	10.0-151			3.94	37
trans-1,3-Dichloropropene	5.00	U	5.00	5.02	100	100	1	10.0-148			0.399	37
2,2-Dichloropropane	5.00	U	5.64	5.37	113	107	1	10.0-138			4.90	36
Di-isopropyl ether	5.00	U	5.68	5.57	114	111	1	10.0-147			1.96	36
Ethylbenzene	5.00	U	5.63	5.02	113	100	1	10.0-160			11.5	38
Hexachloro-1,3-butadiene	5.00	U	4.97	4.97	99.4	99.4	1	10.0-160			0.000	40
Isopropylbenzene	5.00	U	6.09	5.38	122	108	1	10.0-155			12.4	38

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1529943-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529943-05 09/01/22 16:39 • (MS) R3833199-4 09/01/22 18:25 • (MSD) R3833199-5 09/01/22 18:47

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 %
p-Isopropyltoluene	5.00	U	5.45	5.11	109	102	1	10.0-160			6.44	40
2-Butanone (MEK)	25.0	U	26.2	29.7	105	119	1	10.0-160			12.5	40
Methylene Chloride	5.00	U	4.47	4.47	89.4	89.4	1	10.0-141			0.000	37
4-Methyl-2-pentanone (MIBK)	25.0	U	31.7	31.5	127	126	1	10.0-160			0.633	35
Methyl tert-butyl ether	5.00	U	5.28	5.39	106	108	1	11.0-147			2.06	35
Naphthalene	5.00	U	5.28	5.37	106	107	1	10.0-160			1.69	36
n-Propylbenzene	5.00	U	5.54	4.96	111	99.2	1	10.0-158			11.0	38
Styrene	5.00	U	5.47	5.28	109	106	1	10.0-160			3.53	40
1,1,1,2-Tetrachloroethane	5.00	U	5.79	5.32	116	106	1	10.0-149			8.46	39
1,1,2,2-Tetrachloroethane	5.00	U	5.62	5.90	112	118	1	10.0-160			4.86	35
1,1,2-Trichlorotrifluoroethane	5.00	U	6.22	5.68	124	114	1	10.0-160			9.08	36
Tetrachloroethene	5.00	U	5.99	5.38	120	108	1	10.0-156			10.7	39
Toluene	5.00	U	6.01	5.47	120	109	1	10.0-156			9.41	38
1,2,3-Trichlorobenzene	5.00	U	5.25	4.96	105	99.2	1	10.0-160			5.68	40
1,2,4-Trichlorobenzene	5.00	U	4.94	5.40	98.8	108	1	10.0-160			8.90	40
1,1,1-Trichloroethane	5.00	U	5.54	4.90	111	98.0	1	10.0-144			12.3	35
1,1,2-Trichloroethane	5.00	U	5.61	5.43	112	109	1	10.0-160			3.26	35
Trichloroethene	5.00	1.26	6.27	6.18	100	98.4	1	10.0-156			1.45	38
Trichlorofluoromethane	5.00	U	5.84	5.63	117	113	1	10.0-160			3.66	40
1,2,3-Trichloropropane	5.00	U	5.56	5.41	111	108	1	10.0-156			2.73	35
1,2,4-Trimethylbenzene	5.00	U	5.53	5.16	111	103	1	10.0-160			6.92	36
1,2,3-Trimethylbenzene	5.00	U	5.47	5.47	109	109	1	10.0-160			0.000	36
1,3,5-Trimethylbenzene	5.00	U	5.38	4.90	108	98.0	1	10.0-160			9.34	38
Vinyl chloride	5.00	U	5.92	5.33	118	107	1	10.0-160			10.5	37
Xylenes, Total	15.0	U	17.4	15.7	116	105	1	10.0-160			10.3	38
Ethyl ether	5.00	U	5.41	5.42	108	108	1	10.0-160			0.185	31
Tetrahydrofuran	5.00	U	4.71	4.65	94.2	93.0	1	10.0-158			1.28	33
Iodomethane	25.0	U	22.8	21.4	91.2	85.6	1	10.0-160			6.33	38
Allyl chloride	25.0	U	24.6	22.6	98.4	90.4	1	10.0-160			8.47	30
trans-1,4-Dichloro-2-butene	5.00	U	7.36	6.13	147	123	1	10.0-152			18.2	36
(S) Toluene-d8					109	107		75.0-131				
(S) 4-Bromofluorobenzene					102	103		67.0-138				
(S) 1,2-Dichloroethane-d4					99.9	102		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1529943-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529943-07 09/01/22 17:00 • (MS) R3833199-6 09/01/22 19:08 • (MSD) R3833199-7 09/01/22 19:30

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 %
Acetone	25.0	U	60.2	106	241	424	1	10.0-160	J5	J3 J5	55.1	40
Acrylonitrile	25.0	U	29.0	47.0	116	188	1	10.0-160		J3 J5	47.4	40
Benzene	5.00	2.24	5.86	6.05	72.4	76.2	1	10.0-149			3.19	37
Bromobenzene	5.00	U	4.36	4.52	87.2	90.4	1	10.0-156			3.60	38
Bromodichloromethane	5.00	U	3.95	4.19	79.0	83.8	1	10.0-143			5.90	37
Bromoform	5.00	U	4.12	4.45	82.4	89.0	1	10.0-146			7.70	36
Bromomethane	5.00	U	3.49	2.81	69.8	56.2	1	10.0-149			21.6	38
n-Butylbenzene	5.00	3.01	10.1	15.4	142	248	1	10.0-160		J3 J5	41.6	40
sec-Butylbenzene	5.00	6.15	8.57	11.7	48.4	111	1	10.0-159			30.9	39
tert-Butylbenzene	5.00	0.561	4.88	4.78	86.4	84.4	1	10.0-156			2.07	39
Carbon tetrachloride	5.00	U	4.39	3.38	87.8	67.6	1	10.0-145			26.0	37
Chlorobenzene	5.00	U	3.92	3.30	78.4	66.0	1	10.0-152			17.2	39
Chlorodibromomethane	5.00	U	3.90	3.93	78.0	78.6	1	10.0-146			0.766	37
Chloroethane	5.00	U	5.07	4.03	101	80.6	1	10.0-146			22.9	40
Chloroform	5.00	U	5.17	6.00	103	120	1	10.0-146			14.9	37
Chloromethane	5.00	U	4.22	3.28	84.4	65.6	1	10.0-159			25.1	37
2-Chlorotoluene	5.00	U	4.73	4.47	94.6	89.4	1	10.0-159			5.65	38
4-Chlorotoluene	5.00	U	4.56	3.61	91.2	72.2	1	10.0-155			23.3	39
1,2-Dibromo-3-Chloropropane	5.00	U	4.43	6.32	88.6	126	1	10.0-151			35.2	39
1,2-Dibromoethane	5.00	U	3.71	3.76	74.2	75.2	1	10.0-148			1.34	34
Dibromomethane	5.00	U	4.07	4.51	81.4	90.2	1	10.0-147			10.3	35
1,2-Dichlorobenzene	5.00	U	4.65	5.11	93.0	102	1	10.0-155			9.43	37
1,3-Dichlorobenzene	5.00	U	4.37	4.55	87.4	91.0	1	10.0-153			4.04	38
1,4-Dichlorobenzene	5.00	U	4.50	4.38	90.0	87.6	1	10.0-151			2.70	38
Dichlorodifluoromethane	5.00	U	3.53	2.72	70.6	54.4	1	10.0-160			25.9	35
1,1-Dichloroethane	5.00	U	4.28	3.16	85.6	63.2	1	10.0-147			30.1	37
1,2-Dichloroethane	5.00	U	4.24	4.54	84.8	90.8	1	10.0-148			6.83	35
1,1-Dichloroethene	5.00	U	4.02	3.27	80.4	65.4	1	10.0-155			20.6	37
cis-1,2-Dichloroethene	5.00	U	3.92	3.63	78.4	72.6	1	10.0-149			7.68	37
trans-1,2-Dichloroethene	5.00	U	3.64	3.01	72.8	60.2	1	10.0-150			18.9	37
1,2-Dichloropropane	5.00	U	3.68	3.72	73.6	74.4	1	10.0-148			1.08	37
1,1-Dichloropropene	5.00	U	4.28	3.26	85.6	65.2	1	10.0-153			27.1	35
1,3-Dichloropropane	5.00	U	3.79	3.95	75.8	79.0	1	10.0-154			4.13	35
cis-1,3-Dichloropropene	5.00	U	3.82	3.88	76.4	77.6	1	10.0-151			1.56	37
trans-1,3-Dichloropropene	5.00	U	3.77	3.55	75.4	71.0	1	10.0-148			6.01	37
2,2-Dichloropropane	5.00	U	3.98	3.09	79.6	61.8	1	10.0-138			25.2	36
Di-isopropyl ether	5.00	U	4.45	4.84	89.0	96.8	1	10.0-147			8.40	36
Ethylbenzene	5.00	0.430	4.43	3.41	80.0	59.6	1	10.0-160			26.0	38
Hexachloro-1,3-butadiene	5.00	U	5.22	6.29	104	126	1	10.0-160			18.6	40
Isopropylbenzene	5.00	3.20	6.74	6.73	70.8	70.6	1	10.0-155			0.148	38

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1529943-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1529943-07 09/01/22 17:00 • (MS) R3833199-6 09/01/22 19:08 • (MSD) R3833199-7 09/01/22 19:30

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 %
p-Isopropyltoluene	5.00	10.8	16.1	24.8	106	280	1	10.0-160		J3 J5	42.5	40
2-Butanone (MEK)	25.0	U	28.6	38.7	114	155	1	10.0-160			30.0	40
Methylene Chloride	5.00	U	3.70	3.53	74.0	70.6	1	10.0-141			4.70	37
4-Methyl-2-pentanone (MIBK)	25.0	U	24.7	29.0	98.8	116	1	10.0-160			16.0	35
Methyl tert-butyl ether	5.00	U	4.14	5.25	82.8	105	1	11.0-147			23.6	35
Naphthalene	5.00	24.9	20.8	33.8	0.000	178	1	10.0-160	V	J3 V	47.6	36
n-Propylbenzene	5.00	1.99	5.80	6.13	76.2	82.8	1	10.0-158			5.53	38
Styrene	5.00	U	4.44	3.78	88.8	75.6	1	10.0-160			16.1	40
1,1,1,2-Tetrachloroethane	5.00	U	4.29	3.69	85.8	73.8	1	10.0-149			15.0	39
1,1,2,2-Tetrachloroethane	5.00	U	4.69	6.07	93.8	121	1	10.0-160			25.7	35
1,1,2-Trichlorotrifluoroethane	5.00	U	4.23	3.39	84.6	67.8	1	10.0-160			22.0	36
Tetrachloroethene	5.00	U	4.34	2.83	86.8	56.6	1	10.0-156		J3	42.1	39
Toluene	5.00	0.265	4.63	3.66	87.3	67.9	1	10.0-156			23.4	38
1,2,3-Trichlorobenzene	5.00	U	4.90	6.09	98.0	122	1	10.0-160			21.7	40
1,2,4-Trichlorobenzene	5.00	U	4.84	5.86	96.8	117	1	10.0-160			19.1	40
1,1,1-Trichloroethane	5.00	U	4.11	3.47	82.2	69.4	1	10.0-144			16.9	35
1,1,2-Trichloroethane	5.00	U	6.64	9.17	133	183	1	10.0-160		J5	32.0	35
Trichloroethene	5.00	U	4.37	3.73	87.4	74.6	1	10.0-156			15.8	38
Trichlorofluoromethane	5.00	U	4.41	3.63	88.2	72.6	1	10.0-160			19.4	40
1,2,3-Trichloropropane	5.00	U	4.99	6.01	99.8	120	1	10.0-156			18.5	35
1,2,4-Trimethylbenzene	5.00	1.86	5.97	6.84	82.2	99.6	1	10.0-160			13.6	36
1,2,3-Trimethylbenzene	5.00	U	4.76	5.06	95.2	101	1	10.0-160			6.11	36
1,3,5-Trimethylbenzene	5.00	24.8	20.1	31.2	0.000	128	1	10.0-160	V	J3	43.3	38
Vinyl chloride	5.00	U	4.18	3.27	83.6	65.4	1	10.0-160			24.4	37
Xylenes, Total	15.0	10.6	20.9	21.1	68.7	70.0	1	10.0-160			0.952	38
Ethyl ether	5.00	U	3.94	4.99	78.8	99.8	1	10.0-160			23.5	31
Tetrahydrofuran	5.00	U	5.02	11.5	100	230	1	10.0-158		J3 J5	78.5	33
Iodomethane	25.0	U	16.9	15.0	67.6	60.0	1	10.0-160			11.9	38
Allyl chloride	25.0	U	18.8	15.7	75.2	62.8	1	10.0-160			18.0	30
trans-1,4-Dichloro-2-butene	5.00	U	4.14	6.33	82.8	127	1	10.0-152		J3	41.8	36
(S) Toluene-d8					105	96.6		75.0-131				
(S) 4-Bromofluorobenzene					96.9	84.4		67.0-138				
(S) 1,2-Dichloroethane-d4					102	101		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

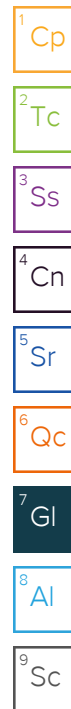
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.



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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl


⁸ Al

⁹ Sc

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
 Analytic / Container / Preservative

Chain of Custody Page 1 of 1

 PEOPLE ADVANCING SCIENCE
 MT JULIET, TN

Report to:
Brian O'Neal/Bill Haldeman

Email To:
 Shannon.McKernan@nv5.com;brian.oneal@nv5

Project Description:
American Linen

City/State Collected: **SEATTLE, WA**
 Please Circle: PT MT CT ET

Phone: **206-529-3980**

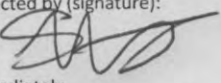
Client Project #
1413.001.10.701 TASK

Lab Project #
PESENVSWA-ALP

Collected by (print):
SEM

Site/Facility ID #

P.O. #
443018-1413001.05.601

Collected by (signature):

 Immediately Packed on Ice N Y X

Rush? (Lab MUST Be Notified)
 ___ Same Day ___ Five Day
 ___ Next Day ___ 5 Day (Rad Only)
 ___ Two Day ___ 10 Day (Rad Only)
 ___ Three Day
 Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

MW104-082322	GRAB	GW		8/23/22	1245	8
MW-144R-082322	↓	GW		↓	1334	8
		GW				
		GW				
		GW				
		GW				
		GW				
		GW				
		GW				
		GW				

ALK 125mlHDPE-NoPres	CHLORIDE, NITRATE 125mlHDPE-NoPres	FE, MNG 250mlHDPE-HNO3	NWTPHGX 40mlAmb HCl	RSK175LL 40mlAmb-HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlHDPE-HCl	V8260ULLC 40mlAmb-HCl
		X		X	X	X	X
		X		X	X	X	X

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/hubfs/pas-standard-terms.pdf>

SDG # **1528880**
G093

Acctnum: **PESENVSWA**
 Template: **T213317**
 Prelogin: **P939358**
 PM: **546 - Jared Starkey**
 PB:
 Shipped Via:
 Remarks Sample # (lab only)

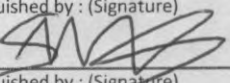
* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other _____

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 ___ UPS X FedEx ___ Courier _____
 Tracking # **1411 7761 1612**

Sample Receipt Checklist

COC Seal Present/Intact:	<u> X </u> Y <u> </u> N
COC Signed/Accurate:	<u> X </u> Y <u> </u> N
Bottles arrive intact:	<u> X </u> Y <u> </u> N
Correct bottles used:	<u> X </u> Y <u> </u> N
Sufficient volume sent:	<u> X </u> Y <u> </u> N
<i>If Applicable</i>	
VOA Zero Headspace:	<u> X </u> Y <u> </u> N
Preservation Correct/Checked:	<u> X </u> Y <u> </u> N
RAD Screen <0.5 mR/hr:	<u> X </u> Y <u> </u> N

Relinquished by: (Signature)


Date: **8/23/22**
 Time: **1500**

Received by: (Signature)
 Received by: (Signature)
 Received for lab by: (Signature)
Hana MINECHIWA

Trip Blank Received: Yes X No
 HCL / MeOH TBR
 Temp: **PPAC °C**
27.0 = 2.7
 Bottles Received: **16**

If preservation required by Login: Date/Time
 Hold:
 Condition:
 NCF / X OK