ATTACHMENT C

Laboratory Reports and Data Validation Memoranda

ANALYTICAL REPORT

May 25, 2023

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

PES Environmental, Inc.- WA

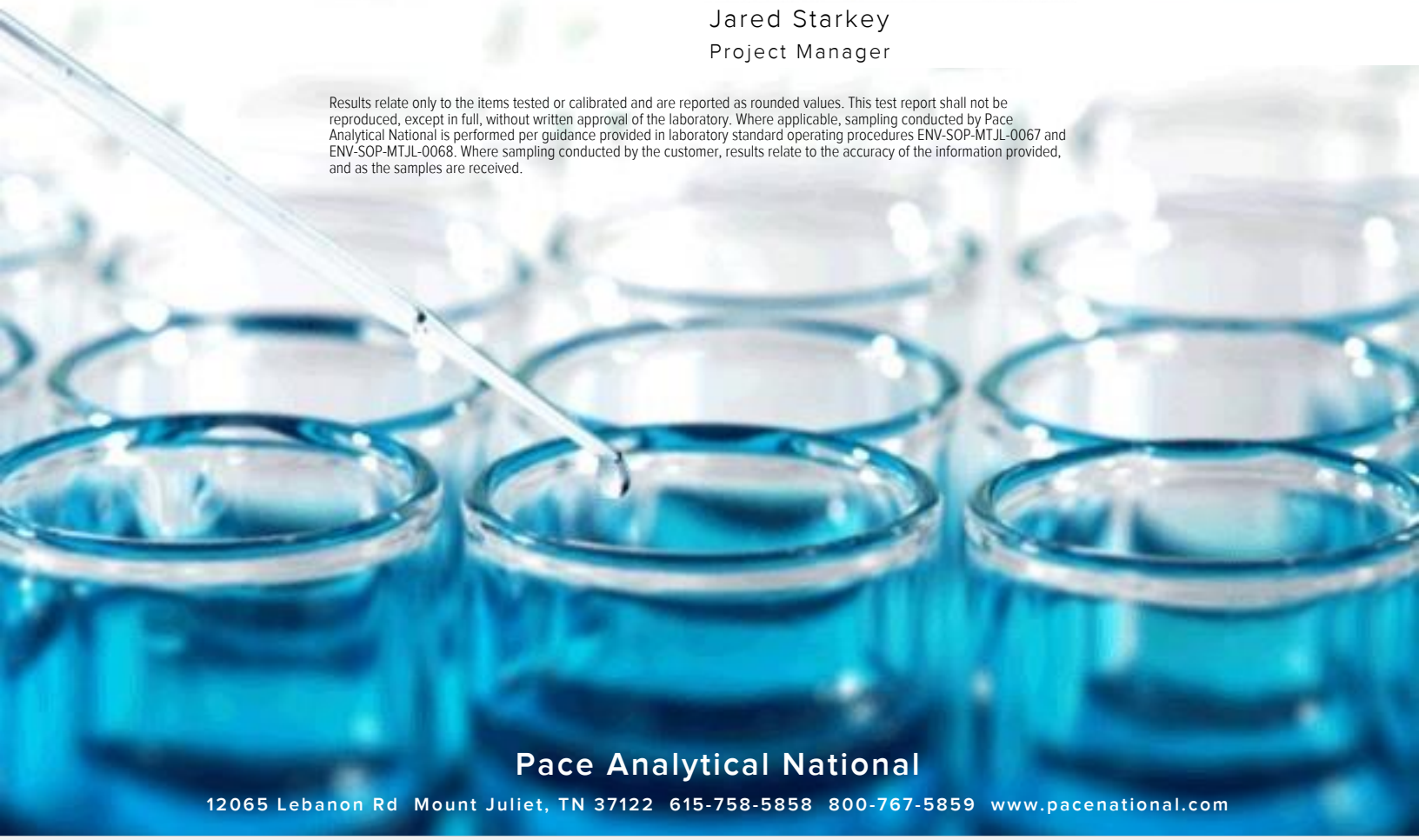
Sample Delivery Group:	L1615432
Samples Received:	05/11/2023
Project Number:	
Description:	American Linen - 443022-1413001.10.701.02

Report To:

Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager



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

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MW-180-051023 L1615432-01 GW

Collected by: NEW | Collected date/time: 05/10/23 12:45 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2062766	1	05/19/23 10:54	05/19/23 10:54	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2054766	1	05/16/23 17:08	05/16/23 17:08	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060138	1	05/16/23 18:06	05/17/23 22:17	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2062564	1	05/19/23 07:56	05/20/23 09:56	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2061512	1	05/18/23 15:26	05/18/23 15:26	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2062632	10	05/18/23 16:52	05/18/23 16:52	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061566	25	05/17/23 18:22	05/17/23 18:22	JBE	Mt. Juliet, TN

MW-181-051023 L1615432-02 GW

Collected by: NEW | Collected date/time: 05/10/23 12:42 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2062770	1	05/19/23 04:21	05/19/23 04:21	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2054766	1	05/16/23 17:28	05/16/23 17:28	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060138	10	05/16/23 18:06	05/21/23 22:53	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2062564	1	05/19/23 07:56	05/20/23 09:59	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2061512	1	05/18/23 15:29	05/18/23 15:29	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2062632	10	05/18/23 16:56	05/18/23 16:56	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061566	200	05/17/23 18:41	05/17/23 18:41	JBE	Mt. Juliet, TN

MW-182-051023 L1615432-03 GW

Collected by: NEW | Collected date/time: 05/10/23 14:11 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2062770	1	05/19/23 04:34	05/19/23 04:34	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2054766	1	05/16/23 17:47	05/16/23 17:47	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060138	1	05/16/23 18:06	05/17/23 22:24	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2062564	1	05/19/23 07:56	05/20/23 10:03	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2061512	1	05/18/23 15:35	05/18/23 15:35	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2062632	10	05/18/23 17:02	05/18/23 17:02	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061566	1000	05/17/23 19:00	05/17/23 19:00	JBE	Mt. Juliet, TN

MW-183-051023 L1615432-04 GW

Collected by: NEW | Collected date/time: 05/10/23 10:24 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2062770	1	05/19/23 04:47	05/19/23 04:47	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2054766	1	05/16/23 18:05	05/16/23 18:05	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060138	1	05/16/23 18:06	05/17/23 22:27	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2062564	1	05/19/23 07:56	05/20/23 10:06	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2061512	1	05/18/23 15:45	05/18/23 15:45	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2062632	10	05/18/23 17:07	05/18/23 17:07	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061566	100	05/17/23 19:22	05/17/23 19:22	JBE	Mt. Juliet, TN

MW-184-051023 L1615432-05 GW

Collected by: NEW | Collected date/time: 05/10/23 11:19 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2062770	1	05/19/23 05:25	05/19/23 05:25	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2054766	1	05/16/23 18:22	05/16/23 18:22	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060138	1	05/16/23 18:06	05/17/23 22:31	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2062564	1	05/19/23 07:56	05/20/23 10:16	SJM	Mt. Juliet, TN

SAMPLE SUMMARY

MW-184-051023 L1615432-05 GW

			Collected by	Collected date/time	Received date/time
			NEW	05/10/23 11:19	05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method RSK175	WG2061512	1	05/18/23 15:54	05/18/23 15:54	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061566	10	05/17/23 20:55	05/17/23 20:55	JBE	Mt. Juliet, TN

CASE NARRATIVE

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

Jared Starkey
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	14000		594	5000	1	05/19/2023 10:54	WG2062766

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	05/16/2023 17:08	WG2054766

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	19700		28.1	100	1	05/17/2023 22:17	WG2060138
Manganese	8570		0.704	5.00	1	05/20/2023 09:56	WG2062564

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	20200		2.87	6.78	10	05/18/2023 16:52	WG2062632
Ethane	213		0.296	1.29	1	05/18/2023 15:26	WG2061512
Ethene	210		0.422	1.27	1	05/18/2023 15:26	WG2061512

Volatile 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	05/17/2023 18:22	WG2061566
Acrylonitrile	U		1.90	12.5	25	05/17/2023 18:22	WG2061566
Benzene	U		0.400	1.00	25	05/17/2023 18:22	WG2061566
Bromobenzene	U		1.05	12.5	25	05/17/2023 18:22	WG2061566
Bromodichloromethane	U		0.788	2.50	25	05/17/2023 18:22	WG2061566
Bromoform	U	C3	5.98	25.0	25	05/17/2023 18:22	WG2061566
Bromomethane	U		3.70	12.5	25	05/17/2023 18:22	WG2061566
n-Butylbenzene	U		3.83	12.5	25	05/17/2023 18:22	WG2061566
sec-Butylbenzene	U		2.53	12.5	25	05/17/2023 18:22	WG2061566
tert-Butylbenzene	U	J3	1.55	5.00	25	05/17/2023 18:22	WG2061566
Carbon tetrachloride	U		1.08	5.00	25	05/17/2023 18:22	WG2061566
Chlorobenzene	U		0.573	2.50	25	05/17/2023 18:22	WG2061566
Chlorodibromomethane	U		0.450	2.50	25	05/17/2023 18:22	WG2061566
Chloroethane	U		1.08	5.00	25	05/17/2023 18:22	WG2061566
Chloroform	U		0.415	2.50	25	05/17/2023 18:22	WG2061566
Chloromethane	U		1.39	12.5	25	05/17/2023 18:22	WG2061566
2-Chlorotoluene	U		0.920	2.50	25	05/17/2023 18:22	WG2061566
4-Chlorotoluene	U		1.13	5.00	25	05/17/2023 18:22	WG2061566
1,2-Dibromo-3-Chloropropane	U	C3	5.10	25.0	25	05/17/2023 18:22	WG2061566
1,2-Dibromoethane	U		0.525	2.50	25	05/17/2023 18:22	WG2061566
Dibromomethane	U		1.00	5.00	25	05/17/2023 18:22	WG2061566
1,2-Dichlorobenzene	U		1.45	5.00	25	05/17/2023 18:22	WG2061566
1,3-Dichlorobenzene	U		1.70	5.00	25	05/17/2023 18:22	WG2061566
1,4-Dichlorobenzene	U		1.97	5.00	25	05/17/2023 18:22	WG2061566
Dichlorodifluoromethane	U		0.818	2.50	25	05/17/2023 18:22	WG2061566
1,1-Dichloroethane	U		0.575	2.50	25	05/17/2023 18:22	WG2061566
1,2-Dichloroethane	U		0.475	2.50	25	05/17/2023 18:22	WG2061566
1,1-Dichloroethene	3.28		0.500	2.50	25	05/17/2023 18:22	WG2061566
cis-1,2-Dichloroethene	2410		0.690	2.50	25	05/17/2023 18:22	WG2061566
trans-1,2-Dichloroethene	8.18		1.43	5.00	25	05/17/2023 18:22	WG2061566
1,2-Dichloropropane	U		1.27	5.00	25	05/17/2023 18:22	WG2061566

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.700	2.50	25	05/17/2023 18:22	WG2061566
1,3-Dichloropropane	U		1.75	5.00	25	05/17/2023 18:22	WG2061566
cis-1,3-Dichloropropene	U		0.678	2.50	25	05/17/2023 18:22	WG2061566
trans-1,3-Dichloropropene	U		1.53	5.00	25	05/17/2023 18:22	WG2061566
2,2-Dichloropropane	U		0.793	2.50	25	05/17/2023 18:22	WG2061566
Di-isopropyl ether	U		0.350	1.00	25	05/17/2023 18:22	WG2061566
Ethylbenzene	U		0.530	2.50	25	05/17/2023 18:22	WG2061566
Hexachloro-1,3-butadiene	U		12.7	25.0	25	05/17/2023 18:22	WG2061566
Isopropylbenzene	U		0.863	2.50	25	05/17/2023 18:22	WG2061566
p-Isopropyltoluene	U		2.33	5.00	25	05/17/2023 18:22	WG2061566
2-Butanone (MEK)	U		12.5	25.0	25	05/17/2023 18:22	WG2061566
Methylene Chloride	U		6.63	25.0	25	05/17/2023 18:22	WG2061566
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	05/17/2023 18:22	WG2061566
Methyl tert-butyl ether	U		0.295	1.00	25	05/17/2023 18:22	WG2061566
Naphthalene	U		3.10	12.5	25	05/17/2023 18:22	WG2061566
n-Propylbenzene	U		1.18	5.00	25	05/17/2023 18:22	WG2061566
Styrene	U		2.73	12.5	25	05/17/2023 18:22	WG2061566
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	05/17/2023 18:22	WG2061566
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	05/17/2023 18:22	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	05/17/2023 18:22	WG2061566
Tetrachloroethene	4.75		0.700	2.50	25	05/17/2023 18:22	WG2061566
Toluene	U		1.25	5.00	25	05/17/2023 18:22	WG2061566
1,2,3-Trichlorobenzene	U	C3	0.625	12.5	25	05/17/2023 18:22	WG2061566
1,2,4-Trichlorobenzene	U		4.83	12.5	25	05/17/2023 18:22	WG2061566
1,1,1-Trichloroethane	U		0.275	2.50	25	05/17/2023 18:22	WG2061566
1,1,2-Trichloroethane	U		0.883	2.50	25	05/17/2023 18:22	WG2061566
Trichloroethene	4.25		0.400	1.00	25	05/17/2023 18:22	WG2061566
Trichlorofluoromethane	U		0.500	2.50	25	05/17/2023 18:22	WG2061566
1,2,3-Trichloropropane	U		5.10	12.5	25	05/17/2023 18:22	WG2061566
1,2,4-Trimethylbenzene	U		1.16	5.00	25	05/17/2023 18:22	WG2061566
1,2,3-Trimethylbenzene	U		1.15	5.00	25	05/17/2023 18:22	WG2061566
1,3,5-Trimethylbenzene	U		1.08	5.00	25	05/17/2023 18:22	WG2061566
Vinyl chloride	408		0.682	2.50	25	05/17/2023 18:22	WG2061566
Xylenes, Total	U		4.78	6.50	25	05/17/2023 18:22	WG2061566
Ethyl Ether	U		0.425	2.50	25	05/17/2023 18:22	WG2061566
Tetrahydrofuran	U		2.25	12.5	25	05/17/2023 18:22	WG2061566
Iodomethane	U		6.05	12.5	25	05/17/2023 18:22	WG2061566
Allyl chloride	U		14.5	25.0	25	05/17/2023 18:22	WG2061566
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	05/17/2023 18:22	WG2061566
(S) Toluene-d8	*109*			*75.0-131*		*05/17/2023 18:22*	WG2061566
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/17/2023 18:22*	WG2061566
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*05/17/2023 18:22*	WG2061566

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	05/19/2023 04:21	WG2062770

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)	33500		102	1000	1	05/16/2023 17:28	WG2054766

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	13500		281	1000	10	05/21/2023 22:53	WG2060138
Manganese	1620		0.704	5.00	1	05/20/2023 09:59	WG2062564

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	31600		2.87	6.78	10	05/18/2023 16:56	WG2062632
Ethane	311		0.296	1.29	1	05/18/2023 15:29	WG2061512
Ethene	3290		0.422	1.27	1	05/18/2023 15:29	WG2061512

Volatile 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	05/17/2023 18:41	WG2061566
Acrylonitrile	U		15.2	100	200	05/17/2023 18:41	WG2061566
Benzene	U		3.20	8.00	200	05/17/2023 18:41	WG2061566
Bromobenzene	U		8.40	100	200	05/17/2023 18:41	WG2061566
Bromodichloromethane	U		6.30	20.0	200	05/17/2023 18:41	WG2061566
Bromoform	U	C3	47.8	200	200	05/17/2023 18:41	WG2061566
Bromomethane	U		29.6	100	200	05/17/2023 18:41	WG2061566
n-Butylbenzene	U		30.6	100	200	05/17/2023 18:41	WG2061566
sec-Butylbenzene	U		20.2	100	200	05/17/2023 18:41	WG2061566
tert-Butylbenzene	U	J3	12.4	40.0	200	05/17/2023 18:41	WG2061566
Carbon tetrachloride	U		8.64	40.0	200	05/17/2023 18:41	WG2061566
Chlorobenzene	U		4.58	20.0	200	05/17/2023 18:41	WG2061566
Chlorodibromomethane	U		3.60	20.0	200	05/17/2023 18:41	WG2061566
Chloroethane	U		8.64	40.0	200	05/17/2023 18:41	WG2061566
Chloroform	U		3.32	20.0	200	05/17/2023 18:41	WG2061566
Chloromethane	U		11.1	100	200	05/17/2023 18:41	WG2061566
2-Chlorotoluene	U		7.36	20.0	200	05/17/2023 18:41	WG2061566
4-Chlorotoluene	U		9.04	40.0	200	05/17/2023 18:41	WG2061566
1,2-Dibromo-3-Chloropropane	U	C3	40.8	200	200	05/17/2023 18:41	WG2061566
1,2-Dibromoethane	U		4.20	20.0	200	05/17/2023 18:41	WG2061566
Dibromomethane	U		8.00	40.0	200	05/17/2023 18:41	WG2061566
1,2-Dichlorobenzene	U		11.6	40.0	200	05/17/2023 18:41	WG2061566
1,3-Dichlorobenzene	U		13.6	40.0	200	05/17/2023 18:41	WG2061566
1,4-Dichlorobenzene	U		15.8	40.0	200	05/17/2023 18:41	WG2061566
Dichlorodifluoromethane	U		6.54	20.0	200	05/17/2023 18:41	WG2061566
1,1-Dichloroethane	U		4.60	20.0	200	05/17/2023 18:41	WG2061566
1,2-Dichloroethane	U		3.80	20.0	200	05/17/2023 18:41	WG2061566
1,1-Dichloroethene	11.6	J	4.00	20.0	200	05/17/2023 18:41	WG2061566
cis-1,2-Dichloroethene	2830		5.52	20.0	200	05/17/2023 18:41	WG2061566
trans-1,2-Dichloroethene	16.8	J	11.4	40.0	200	05/17/2023 18:41	WG2061566
1,2-Dichloropropane	U		10.2	40.0	200	05/17/2023 18:41	WG2061566

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		5.60	20.0	200	05/17/2023 18:41	WG2061566
1,3-Dichloropropane	U		14.0	40.0	200	05/17/2023 18:41	WG2061566
cis-1,3-Dichloropropene	U		5.42	20.0	200	05/17/2023 18:41	WG2061566
trans-1,3-Dichloropropene	U		12.2	40.0	200	05/17/2023 18:41	WG2061566
2,2-Dichloropropane	U		6.34	20.0	200	05/17/2023 18:41	WG2061566
Di-isopropyl ether	U		2.80	8.00	200	05/17/2023 18:41	WG2061566
Ethylbenzene	U		4.24	20.0	200	05/17/2023 18:41	WG2061566
Hexachloro-1,3-butadiene	U		102	200	200	05/17/2023 18:41	WG2061566
Isopropylbenzene	U		6.90	20.0	200	05/17/2023 18:41	WG2061566
p-Isopropyltoluene	U		18.6	40.0	200	05/17/2023 18:41	WG2061566
2-Butanone (MEK)	U		100	200	200	05/17/2023 18:41	WG2061566
Methylene Chloride	U		53.0	200	200	05/17/2023 18:41	WG2061566
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	05/17/2023 18:41	WG2061566
Methyl tert-butyl ether	U		2.36	8.00	200	05/17/2023 18:41	WG2061566
Naphthalene	U		24.8	100	200	05/17/2023 18:41	WG2061566
n-Propylbenzene	U		9.44	40.0	200	05/17/2023 18:41	WG2061566
Styrene	U		21.8	100	200	05/17/2023 18:41	WG2061566
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	05/17/2023 18:41	WG2061566
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	05/17/2023 18:41	WG2061566
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	05/17/2023 18:41	WG2061566
Tetrachloroethene	U		5.60	20.0	200	05/17/2023 18:41	WG2061566
Toluene	U		10.0	40.0	200	05/17/2023 18:41	WG2061566
1,2,3-Trichlorobenzene	U	C3	5.00	100	200	05/17/2023 18:41	WG2061566
1,2,4-Trichlorobenzene	U		38.6	100	200	05/17/2023 18:41	WG2061566
1,1,1-Trichloroethane	U		2.20	20.0	200	05/17/2023 18:41	WG2061566
1,1,2-Trichloroethane	U		7.06	20.0	200	05/17/2023 18:41	WG2061566
Trichloroethene	U		3.20	8.00	200	05/17/2023 18:41	WG2061566
Trichlorofluoromethane	U		4.00	20.0	200	05/17/2023 18:41	WG2061566
1,2,3-Trichloropropane	U		40.8	100	200	05/17/2023 18:41	WG2061566
1,2,4-Trimethylbenzene	U		9.28	40.0	200	05/17/2023 18:41	WG2061566
1,2,3-Trimethylbenzene	U		9.20	40.0	200	05/17/2023 18:41	WG2061566
1,3,5-Trimethylbenzene	U		8.64	40.0	200	05/17/2023 18:41	WG2061566
Vinyl chloride	6770		5.46	20.0	200	05/17/2023 18:41	WG2061566
Xylenes, Total	U		38.2	52.0	200	05/17/2023 18:41	WG2061566
Ethyl Ether	U		3.40	20.0	200	05/17/2023 18:41	WG2061566
Tetrahydrofuran	U		18.0	100	200	05/17/2023 18:41	WG2061566
Iodomethane	U		48.4	100	200	05/17/2023 18:41	WG2061566
Allyl chloride	U		116	200	200	05/17/2023 18:41	WG2061566
Trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	05/17/2023 18:41	WG2061566
(S) Toluene-d8	*108*			*75.0-131*		*05/17/2023 18:41*	WG2061566
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/17/2023 18:41*	WG2061566
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*		*05/17/2023 18:41*	WG2061566

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	05/19/2023 04:34	WG2062770

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)	41300		102	1000	1	05/16/2023 17:47	WG2054766

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	19800		28.1	100	1	05/17/2023 22:24	WG2060138
Manganese	3030		0.704	5.00	1	05/20/2023 10:03	WG2062564

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	30500		2.87	6.78	10	05/18/2023 17:02	WG2062632
Ethane	383		0.296	1.29	1	05/18/2023 15:35	WG2061512
Ethene	4290		0.422	1.27	1	05/18/2023 15:35	WG2061512

Volatile 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	05/17/2023 19:00	WG2061566
Acrylonitrile	U		76.0	500	1000	05/17/2023 19:00	WG2061566
Benzene	U		16.0	40.0	1000	05/17/2023 19:00	WG2061566
Bromobenzene	U		42.0	500	1000	05/17/2023 19:00	WG2061566
Bromodichloromethane	U		31.5	100	1000	05/17/2023 19:00	WG2061566
Bromoform	U	C3	239	1000	1000	05/17/2023 19:00	WG2061566
Bromomethane	U		148	500	1000	05/17/2023 19:00	WG2061566
n-Butylbenzene	U		153	500	1000	05/17/2023 19:00	WG2061566
sec-Butylbenzene	U		101	500	1000	05/17/2023 19:00	WG2061566
tert-Butylbenzene	U	J3	62.0	200	1000	05/17/2023 19:00	WG2061566
Carbon tetrachloride	U		43.2	200	1000	05/17/2023 19:00	WG2061566
Chlorobenzene	U		22.9	100	1000	05/17/2023 19:00	WG2061566
Chlorodibromomethane	U		18.0	100	1000	05/17/2023 19:00	WG2061566
Chloroethane	U		43.2	200	1000	05/17/2023 19:00	WG2061566
Chloroform	U		16.6	100	1000	05/17/2023 19:00	WG2061566
Chloromethane	U		55.6	500	1000	05/17/2023 19:00	WG2061566
2-Chlorotoluene	U		36.8	100	1000	05/17/2023 19:00	WG2061566
4-Chlorotoluene	U		45.2	200	1000	05/17/2023 19:00	WG2061566
1,2-Dibromo-3-Chloropropane	U	C3	204	1000	1000	05/17/2023 19:00	WG2061566
1,2-Dibromoethane	U		21.0	100	1000	05/17/2023 19:00	WG2061566
Dibromomethane	U		40.0	200	1000	05/17/2023 19:00	WG2061566
1,2-Dichlorobenzene	U		58.0	200	1000	05/17/2023 19:00	WG2061566
1,3-Dichlorobenzene	U		68.0	200	1000	05/17/2023 19:00	WG2061566
1,4-Dichlorobenzene	U		78.8	200	1000	05/17/2023 19:00	WG2061566
Dichlorodifluoromethane	U		32.7	100	1000	05/17/2023 19:00	WG2061566
1,1-Dichloroethane	U		23.0	100	1000	05/17/2023 19:00	WG2061566
1,2-Dichloroethane	U		19.0	100	1000	05/17/2023 19:00	WG2061566
1,1-Dichloroethene	32.0	J	20.0	100	1000	05/17/2023 19:00	WG2061566
cis-1,2-Dichloroethene	25100		27.6	100	1000	05/17/2023 19:00	WG2061566
trans-1,2-Dichloroethene	U		57.2	200	1000	05/17/2023 19:00	WG2061566
1,2-Dichloropropane	U		50.8	200	1000	05/17/2023 19:00	WG2061566

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		28.0	100	1000	05/17/2023 19:00	WG2061566
1,3-Dichloropropane	U		70.0	200	1000	05/17/2023 19:00	WG2061566
cis-1,3-Dichloropropene	U		27.1	100	1000	05/17/2023 19:00	WG2061566
trans-1,3-Dichloropropene	U		61.2	200	1000	05/17/2023 19:00	WG2061566
2,2-Dichloropropane	U		31.7	100	1000	05/17/2023 19:00	WG2061566
Di-isopropyl ether	U		14.0	40.0	1000	05/17/2023 19:00	WG2061566
Ethylbenzene	U		21.2	100	1000	05/17/2023 19:00	WG2061566
Hexachloro-1,3-butadiene	U		508	1000	1000	05/17/2023 19:00	WG2061566
Isopropylbenzene	U		34.5	100	1000	05/17/2023 19:00	WG2061566
p-Isopropyltoluene	U		93.2	200	1000	05/17/2023 19:00	WG2061566
2-Butanone (MEK)	U		500	1000	1000	05/17/2023 19:00	WG2061566
Methylene Chloride	U		265	1000	1000	05/17/2023 19:00	WG2061566
4-Methyl-2-pentanone (MIBK)	U		400	1000	1000	05/17/2023 19:00	WG2061566
Methyl tert-butyl ether	U		11.8	40.0	1000	05/17/2023 19:00	WG2061566
Naphthalene	U		124	500	1000	05/17/2023 19:00	WG2061566
n-Propylbenzene	U		47.2	200	1000	05/17/2023 19:00	WG2061566
Styrene	U		109	500	1000	05/17/2023 19:00	WG2061566
1,1,1,2-Tetrachloroethane	U		20.0	100	1000	05/17/2023 19:00	WG2061566
1,1,2,2-Tetrachloroethane	U		15.6	100	1000	05/17/2023 19:00	WG2061566
1,1,2-Trichlorotrifluoroethane	U		27.0	100	1000	05/17/2023 19:00	WG2061566
Tetrachloroethene	60.0	J	28.0	100	1000	05/17/2023 19:00	WG2061566
Toluene	U		50.0	200	1000	05/17/2023 19:00	WG2061566
1,2,3-Trichlorobenzene	U	C3	25.0	500	1000	05/17/2023 19:00	WG2061566
1,2,4-Trichlorobenzene	U		193	500	1000	05/17/2023 19:00	WG2061566
1,1,1-Trichloroethane	U		11.0	100	1000	05/17/2023 19:00	WG2061566
1,1,2-Trichloroethane	U		35.3	100	1000	05/17/2023 19:00	WG2061566
Trichloroethene	43.0		16.0	40.0	1000	05/17/2023 19:00	WG2061566
Trichlorofluoromethane	U		20.0	100	1000	05/17/2023 19:00	WG2061566
1,2,3-Trichloropropane	U		204	500	1000	05/17/2023 19:00	WG2061566
1,2,4-Trimethylbenzene	U		46.4	200	1000	05/17/2023 19:00	WG2061566
1,2,3-Trimethylbenzene	U		46.0	200	1000	05/17/2023 19:00	WG2061566
1,3,5-Trimethylbenzene	U		43.2	200	1000	05/17/2023 19:00	WG2061566
Vinyl chloride	15300		27.3	100	1000	05/17/2023 19:00	WG2061566
Xylenes, Total	U		191	260	1000	05/17/2023 19:00	WG2061566
Ethyl Ether	U		17.0	100	1000	05/17/2023 19:00	WG2061566
Tetrahydrofuran	U		90.0	500	1000	05/17/2023 19:00	WG2061566
Iodomethane	U		242	500	1000	05/17/2023 19:00	WG2061566
Allyl chloride	U		580	1000	1000	05/17/2023 19:00	WG2061566
Trans-1,4-Dichloro-2-butene	U		56.0	200	1000	05/17/2023 19:00	WG2061566
(S) Toluene-d8	*110*			*75.0-131*		*05/17/2023 19:00*	WG2061566
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/17/2023 19:00*	WG2061566
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*05/17/2023 19:00*	WG2061566

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	19800		594	5000	1	05/19/2023 04:47	WG2062770

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	05/16/2023 18:05	WG2054766

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3060		28.1	100	1	05/17/2023 22:27	WG2060138
Manganese	1360		0.704	5.00	1	05/20/2023 10:06	WG2062564

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	29800		2.87	6.78	10	05/18/2023 17:07	WG2062632
Ethane	U		0.296	1.29	1	05/18/2023 15:45	WG2061512
Ethene	379		0.422	1.27	1	05/18/2023 15:45	WG2061512

Volatile 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	05/17/2023 19:22	WG2061566
Acrylonitrile	U		7.60	50.0	100	05/17/2023 19:22	WG2061566
Benzene	U		1.60	4.00	100	05/17/2023 19:22	WG2061566
Bromobenzene	U		4.20	50.0	100	05/17/2023 19:22	WG2061566
Bromodichloromethane	U		3.15	10.0	100	05/17/2023 19:22	WG2061566
Bromoform	U	C3	23.9	100	100	05/17/2023 19:22	WG2061566
Bromomethane	U		14.8	50.0	100	05/17/2023 19:22	WG2061566
n-Butylbenzene	U		15.3	50.0	100	05/17/2023 19:22	WG2061566
sec-Butylbenzene	U		10.1	50.0	100	05/17/2023 19:22	WG2061566
tert-Butylbenzene	U	J3	6.20	20.0	100	05/17/2023 19:22	WG2061566
Carbon tetrachloride	U		4.32	20.0	100	05/17/2023 19:22	WG2061566
Chlorobenzene	U		2.29	10.0	100	05/17/2023 19:22	WG2061566
Chlorodibromomethane	U		1.80	10.0	100	05/17/2023 19:22	WG2061566
Chloroethane	U		4.32	20.0	100	05/17/2023 19:22	WG2061566
Chloroform	U		1.66	10.0	100	05/17/2023 19:22	WG2061566
Chloromethane	U		5.56	50.0	100	05/17/2023 19:22	WG2061566
2-Chlorotoluene	U		3.68	10.0	100	05/17/2023 19:22	WG2061566
4-Chlorotoluene	U		4.52	20.0	100	05/17/2023 19:22	WG2061566
1,2-Dibromo-3-Chloropropane	U	C3	20.4	100	100	05/17/2023 19:22	WG2061566
1,2-Dibromoethane	U		2.10	10.0	100	05/17/2023 19:22	WG2061566
Dibromomethane	U		4.00	20.0	100	05/17/2023 19:22	WG2061566
1,2-Dichlorobenzene	U		5.80	20.0	100	05/17/2023 19:22	WG2061566
1,3-Dichlorobenzene	U		6.80	20.0	100	05/17/2023 19:22	WG2061566
1,4-Dichlorobenzene	U		7.88	20.0	100	05/17/2023 19:22	WG2061566
Dichlorodifluoromethane	U		3.27	10.0	100	05/17/2023 19:22	WG2061566
1,1-Dichloroethane	U		2.30	10.0	100	05/17/2023 19:22	WG2061566
1,2-Dichloroethane	U		1.90	10.0	100	05/17/2023 19:22	WG2061566
1,1-Dichloroethene	U		2.00	10.0	100	05/17/2023 19:22	WG2061566
cis-1,2-Dichloroethene	321		2.76	10.0	100	05/17/2023 19:22	WG2061566
trans-1,2-Dichloroethene	U		5.72	20.0	100	05/17/2023 19:22	WG2061566
1,2-Dichloropropane	U		5.08	20.0	100	05/17/2023 19:22	WG2061566

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		2.80	10.0	100	05/17/2023 19:22	WG2061566
1,3-Dichloropropane	U		7.00	20.0	100	05/17/2023 19:22	WG2061566
cis-1,3-Dichloropropene	U		2.71	10.0	100	05/17/2023 19:22	WG2061566
trans-1,3-Dichloropropene	U		6.12	20.0	100	05/17/2023 19:22	WG2061566
2,2-Dichloropropane	U		3.17	10.0	100	05/17/2023 19:22	WG2061566
Di-isopropyl ether	U		1.40	4.00	100	05/17/2023 19:22	WG2061566
Ethylbenzene	U		2.12	10.0	100	05/17/2023 19:22	WG2061566
Hexachloro-1,3-butadiene	U		50.8	100	100	05/17/2023 19:22	WG2061566
Isopropylbenzene	U		3.45	10.0	100	05/17/2023 19:22	WG2061566
p-Isopropyltoluene	U		9.32	20.0	100	05/17/2023 19:22	WG2061566
2-Butanone (MEK)	U		50.0	100	100	05/17/2023 19:22	WG2061566
Methylene Chloride	U		26.5	100	100	05/17/2023 19:22	WG2061566
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	05/17/2023 19:22	WG2061566
Methyl tert-butyl ether	U		1.18	4.00	100	05/17/2023 19:22	WG2061566
Naphthalene	U		12.4	50.0	100	05/17/2023 19:22	WG2061566
n-Propylbenzene	U		4.72	20.0	100	05/17/2023 19:22	WG2061566
Styrene	U		10.9	50.0	100	05/17/2023 19:22	WG2061566
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	05/17/2023 19:22	WG2061566
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	05/17/2023 19:22	WG2061566
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	05/17/2023 19:22	WG2061566
Tetrachloroethene	U		2.80	10.0	100	05/17/2023 19:22	WG2061566
Toluene	U		5.00	20.0	100	05/17/2023 19:22	WG2061566
1,2,3-Trichlorobenzene	U	C3	2.50	50.0	100	05/17/2023 19:22	WG2061566
1,2,4-Trichlorobenzene	U		19.3	50.0	100	05/17/2023 19:22	WG2061566
1,1,1-Trichloroethane	U		1.10	10.0	100	05/17/2023 19:22	WG2061566
1,1,2-Trichloroethane	U		3.53	10.0	100	05/17/2023 19:22	WG2061566
Trichloroethene	U		1.60	4.00	100	05/17/2023 19:22	WG2061566
Trichlorofluoromethane	U		2.00	10.0	100	05/17/2023 19:22	WG2061566
1,2,3-Trichloropropane	U		20.4	50.0	100	05/17/2023 19:22	WG2061566
1,2,4-Trimethylbenzene	U		4.64	20.0	100	05/17/2023 19:22	WG2061566
1,2,3-Trimethylbenzene	U		4.60	20.0	100	05/17/2023 19:22	WG2061566
1,3,5-Trimethylbenzene	U		4.32	20.0	100	05/17/2023 19:22	WG2061566
Vinyl chloride	1200		2.73	10.0	100	05/17/2023 19:22	WG2061566
Xylenes, Total	U		19.1	26.0	100	05/17/2023 19:22	WG2061566
Ethyl Ether	U		1.70	10.0	100	05/17/2023 19:22	WG2061566
Tetrahydrofuran	U		9.00	50.0	100	05/17/2023 19:22	WG2061566
Iodomethane	U		24.2	50.0	100	05/17/2023 19:22	WG2061566
Allyl chloride	U		58.0	100	100	05/17/2023 19:22	WG2061566
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	05/17/2023 19:22	WG2061566
(S) Toluene-d8	*110*			*75.0-131*		*05/17/2023 19:22*	WG2061566
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/17/2023 19:22*	WG2061566
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*		*05/17/2023 19:22*	WG2061566

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 ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	21000		594	5000	1	05/19/2023 05:25	WG2062770

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	10400		102	1000	1	05/16/2023 18:22	WG2054766

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	21400		28.1	100	1	05/17/2023 22:31	WG2060138
Manganese	2890		0.704	5.00	1	05/20/2023 10:16	WG2062564

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	1920		0.287	0.678	1	05/18/2023 15:54	WG2061512
Ethane	12.7		0.296	1.29	1	05/18/2023 15:54	WG2061512
Ethene	23.9		0.422	1.27	1	05/18/2023 15:54	WG2061512

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		5.48	10.0	10	05/17/2023 20:55	WG2061566
Acrylonitrile	U		0.760	5.00	10	05/17/2023 20:55	WG2061566
Benzene	U		0.160	0.400	10	05/17/2023 20:55	WG2061566
Bromobenzene	U		0.420	5.00	10	05/17/2023 20:55	WG2061566
Bromodichloromethane	U		0.315	1.00	10	05/17/2023 20:55	WG2061566
Bromoform	U	C3	2.39	10.0	10	05/17/2023 20:55	WG2061566
Bromomethane	U		1.48	5.00	10	05/17/2023 20:55	WG2061566
n-Butylbenzene	U		1.53	5.00	10	05/17/2023 20:55	WG2061566
sec-Butylbenzene	U		1.01	5.00	10	05/17/2023 20:55	WG2061566
tert-Butylbenzene	U	J3	0.620	2.00	10	05/17/2023 20:55	WG2061566
Carbon tetrachloride	U		0.432	2.00	10	05/17/2023 20:55	WG2061566
Chlorobenzene	U		0.229	1.00	10	05/17/2023 20:55	WG2061566
Chlorodibromomethane	U		0.180	1.00	10	05/17/2023 20:55	WG2061566
Chloroethane	U		0.432	2.00	10	05/17/2023 20:55	WG2061566
Chloroform	U		0.166	1.00	10	05/17/2023 20:55	WG2061566
Chloromethane	U		0.556	5.00	10	05/17/2023 20:55	WG2061566
2-Chlorotoluene	U		0.368	1.00	10	05/17/2023 20:55	WG2061566
4-Chlorotoluene	U		0.452	2.00	10	05/17/2023 20:55	WG2061566
1,2-Dibromo-3-Chloropropane	U	C3	2.04	10.0	10	05/17/2023 20:55	WG2061566
1,2-Dibromoethane	U		0.210	1.00	10	05/17/2023 20:55	WG2061566
Dibromomethane	U		0.400	2.00	10	05/17/2023 20:55	WG2061566
1,2-Dichlorobenzene	U		0.580	2.00	10	05/17/2023 20:55	WG2061566
1,3-Dichlorobenzene	U		0.680	2.00	10	05/17/2023 20:55	WG2061566
1,4-Dichlorobenzene	U		0.788	2.00	10	05/17/2023 20:55	WG2061566
Dichlorodifluoromethane	U		0.327	1.00	10	05/17/2023 20:55	WG2061566
1,1-Dichloroethane	U		0.230	1.00	10	05/17/2023 20:55	WG2061566
1,2-Dichloroethane	U		0.190	1.00	10	05/17/2023 20:55	WG2061566
1,1-Dichloroethene	5.68		0.200	1.00	10	05/17/2023 20:55	WG2061566
cis-1,2-Dichloroethene	149		0.276	1.00	10	05/17/2023 20:55	WG2061566
trans-1,2-Dichloroethene	3.06		0.572	2.00	10	05/17/2023 20:55	WG2061566
1,2-Dichloropropane	U		0.508	2.00	10	05/17/2023 20:55	WG2061566

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	05/17/2023 20:55	WG2061566
1,3-Dichloropropane	U		0.700	2.00	10	05/17/2023 20:55	WG2061566
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/17/2023 20:55	WG2061566
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/17/2023 20:55	WG2061566
2,2-Dichloropropane	U		0.317	1.00	10	05/17/2023 20:55	WG2061566
Di-isopropyl ether	U		0.140	0.400	10	05/17/2023 20:55	WG2061566
Ethylbenzene	U		0.212	1.00	10	05/17/2023 20:55	WG2061566
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/17/2023 20:55	WG2061566
Isopropylbenzene	U		0.345	1.00	10	05/17/2023 20:55	WG2061566
p-Isopropyltoluene	U		0.932	2.00	10	05/17/2023 20:55	WG2061566
2-Butanone (MEK)	U		5.00	10.0	10	05/17/2023 20:55	WG2061566
Methylene Chloride	U		2.65	10.0	10	05/17/2023 20:55	WG2061566
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/17/2023 20:55	WG2061566
Methyl tert-butyl ether	U		0.118	0.400	10	05/17/2023 20:55	WG2061566
Naphthalene	U		1.24	5.00	10	05/17/2023 20:55	WG2061566
n-Propylbenzene	U		0.472	2.00	10	05/17/2023 20:55	WG2061566
Styrene	U		1.09	5.00	10	05/17/2023 20:55	WG2061566
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/17/2023 20:55	WG2061566
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/17/2023 20:55	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/17/2023 20:55	WG2061566
Tetrachloroethene	112		0.280	1.00	10	05/17/2023 20:55	WG2061566
Toluene	U		0.500	2.00	10	05/17/2023 20:55	WG2061566
1,2,3-Trichlorobenzene	U	C3	0.250	5.00	10	05/17/2023 20:55	WG2061566
1,2,4-Trichlorobenzene	U		1.93	5.00	10	05/17/2023 20:55	WG2061566
1,1,1-Trichloroethane	U		0.110	1.00	10	05/17/2023 20:55	WG2061566
1,1,2-Trichloroethane	U		0.353	1.00	10	05/17/2023 20:55	WG2061566
Trichloroethene	132		0.160	0.400	10	05/17/2023 20:55	WG2061566
Trichlorofluoromethane	U		0.200	1.00	10	05/17/2023 20:55	WG2061566
1,2,3-Trichloropropane	U		2.04	5.00	10	05/17/2023 20:55	WG2061566
1,2,4-Trimethylbenzene	U		0.464	2.00	10	05/17/2023 20:55	WG2061566
1,2,3-Trimethylbenzene	U		0.460	2.00	10	05/17/2023 20:55	WG2061566
1,3,5-Trimethylbenzene	U		0.432	2.00	10	05/17/2023 20:55	WG2061566
Vinyl chloride	38.1		0.273	1.00	10	05/17/2023 20:55	WG2061566
Xylenes, Total	U		1.91	2.60	10	05/17/2023 20:55	WG2061566
Ethyl Ether	U		0.170	1.00	10	05/17/2023 20:55	WG2061566
Tetrahydrofuran	U		0.900	5.00	10	05/17/2023 20:55	WG2061566
Iodomethane	U		2.42	5.00	10	05/17/2023 20:55	WG2061566
Allyl chloride	U		5.80	10.0	10	05/17/2023 20:55	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/17/2023 20:55	WG2061566
(S) Toluene-d8	*113*			*75.0-131*		*05/17/2023 20:55*	WG2061566
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*05/17/2023 20:55*	WG2061566
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*05/17/2023 20:55*	WG2061566

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

Method Blank (MB)

(MB) R3929327-1 05/19/23 02:28

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

L1615228-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1615228-09 05/19/23 09:06 • (DUP) R3929327-6 05/19/23 09:19

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Sulfate	U	U	1	0.000		15

L1615209-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1615209-08 05/19/23 03:32 • (DUP) R3929327-3 05/19/23 03:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Sulfate	8300	8530	1	2.74		15

Laboratory Control Sample (LCS)

(LCS) R3929327-2 05/19/23 02:41

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Sulfate	40000	38800	97.0	80.0-120	

L1615228-09 Original Sample (OS) • Matrix Spike (MS)

(OS) L1615228-09 05/19/23 09:06 • (MS) R3929327-7 05/19/23 09:32

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Sulfate	50000	U	48300	96.6	1	80.0-120	

L1615209-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1615209-08 05/19/23 03:32 • (MS) R3929327-4 05/19/23 03:58 • (MSD) R3929327-5 05/19/23 04:11

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	%	%		%			%	%
Sulfate	50000	8300	58900	59900	101	103	1	80.0-120			1.77	15

Method Blank (MB)

(MB) R3928987-1 05/18/23 22:57

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

L1615122-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1615122-02 05/19/23 03:17 • (DUP) R3928987-3 05/19/23 03:30

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	12100	12000	1	0.611		15

L1615451-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1615451-20 05/19/23 06:55 • (DUP) R3928987-6 05/19/23 07:08

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	1240	1240	1	0.0886	J	15

Laboratory Control Sample (LCS)

(LCS) R3928987-2 05/18/23 23:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	37800	94.6	80.0-120	

L1615122-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1615122-02 05/19/23 03:17 • (MS) R3928987-4 05/19/23 03:43 • (MSD) R3928987-5 05/19/23 03:56

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	12100	59400	60200	94.6	96.3	1	80.0-120			1.43	15

L1615451-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1615451-20 05/19/23 06:55 • (MS) R3928987-7 05/19/23 07:21

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	50000	1240	48200	94.0	1	80.0-120	

Method Blank (MB)

(MB) R3925614-2 05/16/23 07:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	461	J	102	1000

L1615263-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1615263-02 05/16/23 10:07 • (DUP) R3925614-5 05/16/23 10:23

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	684	672	1	1.73	J	20

L1615289-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1615289-01 05/16/23 22:13 • (DUP) R3925614-8 05/16/23 22:36

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	112000	113000	2	1.34		20

Laboratory Control Sample (LCS)

(LCS) R3925614-1 05/16/23 07:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	74100	98.8	85.0-115	

L1615145-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1615145-07 05/16/23 09:10 • (MS) R3925614-3 05/16/23 09:31 • (MSD) R3925614-4 05/16/23 09:51

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	1090	50900	51200	99.6	100	1	80.0-120			0.627	20

L1615432-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1615432-04 05/16/23 18:05 • (MS) R3925614-9 05/16/23 23:17 • (MSD) R3925614-10 05/16/23 23:38

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 %
TOC (Total Organic Carbon)	50000	11000	59300	59500	96.7	97.0	1	80.0-120			0.303	20

Method Blank (MB)

(MB) R3926155-1 05/17/23 21:12

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

Laboratory Control Sample (LCS)

(LCS) R3926155-2 05/17/23 21:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	1000	1080	108	80.0-120	

L1615280-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1615280-05 05/17/23 21:19 • (MS) R3926155-4 05/17/23 21:26 • (MSD) R3926155-5 05/17/23 21:29

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 %
Iron	1000	904	2160	2010	126	111	1	75.0-125	J5		7.07	20

Method Blank (MB)

(MB) R3927292-1 05/20/23 09:36

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

Laboratory Control Sample (LCS)

(LCS) R3927292-2 05/20/23 09:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Manganese	50.0	49.6	99.2	80.0-120	

L1615451-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1615451-20 05/20/23 09:43 • (MS) R3927292-4 05/20/23 09:50 • (MSD) R3927292-5 05/20/23 09:53

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 %
Manganese	50.0	905	1030	1020	254	234	1	75.0-125	V	V	0.975	20

Method Blank (MB)

(MB) R3926570-2 05/18/23 15:09

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

L1615432-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1615432-05 05/18/23 15:54 • (DUP) R3926570-3 05/18/23 15:59

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	1920	1960	1	2.06		20
Ethane	12.7	12.8	1	0.784		20
Ethene	23.9	24.4	1	2.07		20

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

(LCS) R3926570-1 05/18/23 15:06 • (LCSD) R3926570-4 05/18/23 16:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	61.2	60.8	90.3	89.7	85.0-115			0.656	20
Ethane	129	111	112	86.0	86.8	85.0-115			0.897	20
Ethene	127	112	112	88.2	88.2	85.0-115			0.000	20

Method Blank (MB)

(MB) R3926635-2 05/18/23 16:49

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

L1615432-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1615432-01 05/18/23 16:52 • (DUP) R3926635-3 05/18/23 17:23

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	20200	21900	10	8.08		20

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

(LCS) R3926635-1 05/18/23 16:44 • (LCSD) R3926635-4 05/18/23 17:27

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	%	%	%			%	%
Methane	67.8	64.0	62.5	94.4	92.2	85.0-115			2.37	20

Method Blank (MB)

(MB) R3926910-3 05/17/23 11:20

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

Method Blank (MB)

(MB) R3926910-3 05/17/23 11:20

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	*97.6*			*70.0-130*

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

(LCS) R3926910-1 05/17/23 09:19 • (LCSD) R3926910-2 05/17/23 09:38

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	24.8	22.3	99.2	89.2	10.0-160			10.6	31
Acrylonitrile	25.0	22.3	23.3	89.2	93.2	45.0-153			4.39	22
Benzene	5.00	4.54	4.21	90.8	84.2	70.0-123			7.54	20
Bromobenzene	5.00	4.79	4.55	95.8	91.0	73.0-121			5.14	20
Bromodichloromethane	5.00	4.23	4.09	84.6	81.8	73.0-121			3.37	20
Bromoform	5.00	3.69	3.83	73.8	76.6	64.0-132			3.72	20
Bromomethane	5.00	4.13	4.20	82.6	84.0	56.0-147			1.68	20
n-Butylbenzene	5.00	4.57	4.29	91.4	85.8	68.0-135			6.32	20
sec-Butylbenzene	5.00	4.77	4.60	95.4	92.0	74.0-130			3.63	20
tert-Butylbenzene	5.00	5.65	4.49	113	89.8	75.0-127		J3	22.9	20
Carbon tetrachloride	5.00	4.49	4.27	89.8	85.4	66.0-128			5.02	20
Chlorobenzene	5.00	4.77	4.55	95.4	91.0	76.0-128			4.72	20
Chlorodibromomethane	5.00	4.51	4.24	90.2	84.8	74.0-127			6.17	20
Chloroethane	5.00	4.28	4.14	85.6	82.8	61.0-134			3.33	20
Chloroform	5.00	4.41	4.15	88.2	83.0	72.0-123			6.07	20
Chloromethane	5.00	4.58	4.21	91.6	84.2	51.0-138			8.42	20
2-Chlorotoluene	5.00	4.65	4.83	93.0	96.6	75.0-124			3.80	20
4-Chlorotoluene	5.00	4.89	4.59	97.8	91.8	75.0-124			6.33	20
1,2-Dibromo-3-Chloropropane	5.00	3.97	3.77	79.4	75.4	59.0-130			5.17	20
1,2-Dibromoethane	5.00	4.48	4.48	89.6	89.6	74.0-128			0.000	20
Dibromomethane	5.00	4.48	4.25	89.6	85.0	75.0-122			5.27	20
1,2-Dichlorobenzene	5.00	4.37	4.37	87.4	87.4	76.0-124			0.000	20
1,3-Dichlorobenzene	5.00	4.72	4.53	94.4	90.6	76.0-125			4.11	20
1,4-Dichlorobenzene	5.00	4.38	4.34	87.6	86.8	77.0-121			0.917	20
Dichlorodifluoromethane	5.00	4.26	3.99	85.2	79.8	43.0-156			6.55	20
1,1-Dichloroethane	5.00	4.21	4.07	84.2	81.4	70.0-127			3.38	20
1,2-Dichloroethane	5.00	4.11	3.93	82.2	78.6	65.0-131			4.48	20
1,1-Dichloroethene	5.00	4.20	3.88	84.0	77.6	65.0-131			7.92	20
cis-1,2-Dichloroethene	5.00	4.46	4.33	89.2	86.6	73.0-125			2.96	20
trans-1,2-Dichloroethene	5.00	4.73	4.19	94.6	83.8	71.0-125			12.1	20
1,2-Dichloropropane	5.00	4.71	4.43	94.2	88.6	74.0-125			6.13	20
1,1-Dichloropropene	5.00	4.47	4.15	89.4	83.0	73.0-125			7.42	20
1,3-Dichloropropane	5.00	4.71	4.52	94.2	90.4	80.0-125			4.12	20
cis-1,3-Dichloropropene	5.00	4.62	4.34	92.4	86.8	76.0-127			6.25	20
trans-1,3-Dichloropropene	5.00	4.31	4.22	86.2	84.4	73.0-127			2.11	20
2,2-Dichloropropane	5.00	4.76	4.38	95.2	87.6	59.0-135			8.32	20
Di-isopropyl ether	5.00	4.56	4.34	91.2	86.8	60.0-136			4.94	20
Ethylbenzene	5.00	4.66	4.61	93.2	92.2	74.0-126			1.08	20
Hexachloro-1,3-butadiene	5.00	4.42	4.42	88.4	88.4	57.0-150			0.000	20
Isopropylbenzene	5.00	4.55	4.45	91.0	89.0	72.0-127			2.22	20

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

(LCS) R3926910-1 05/17/23 09:19 • (LCSD) R3926910-2 05/17/23 09:38

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	4.52	4.32	90.4	86.4	72.0-133			4.52	20
2-Butanone (MEK)	25.0	23.9	22.2	95.6	88.8	30.0-160			7.38	24
Methylene Chloride	5.00	4.34	4.32	86.8	86.4	68.0-123			0.462	20
4-Methyl-2-pentanone (MIBK)	25.0	24.2	23.1	96.8	92.4	56.0-143			4.65	20
Methyl tert-butyl ether	5.00	4.73	4.50	94.6	90.0	66.0-132			4.98	20
Naphthalene	5.00	4.04	4.04	80.8	80.8	59.0-130			0.000	20
n-Propylbenzene	5.00	4.94	4.55	98.8	91.0	74.0-126			8.22	20
Styrene	5.00	4.58	4.48	91.6	89.6	72.0-127			2.21	20
1,1,1,2-Tetrachloroethane	5.00	4.16	4.10	83.2	82.0	74.0-129			1.45	20
1,1,2,2-Tetrachloroethane	5.00	4.29	4.02	85.8	80.4	68.0-128			6.50	20
1,1,2-Trichlorotrifluoroethane	5.00	4.52	4.26	90.4	85.2	61.0-139			5.92	20
Tetrachloroethene	5.00	4.62	4.47	92.4	89.4	70.0-136			3.30	20
Toluene	5.00	4.70	4.48	94.0	89.6	75.0-121			4.79	20
1,2,3-Trichlorobenzene	5.00	3.88	3.66	77.6	73.2	59.0-139			5.84	20
1,2,4-Trichlorobenzene	5.00	4.06	3.83	81.2	76.6	62.0-137			5.83	20
1,1,1-Trichloroethane	5.00	4.28	4.16	85.6	83.2	69.0-126			2.84	20
1,1,2-Trichloroethane	5.00	4.58	4.31	91.6	86.2	78.0-123			6.07	20
Trichloroethene	5.00	4.76	4.27	95.2	85.4	76.0-126			10.9	20
Trichlorofluoromethane	5.00	4.12	3.97	82.4	79.4	61.0-142			3.71	20
1,2,3-Trichloropropane	5.00	4.76	4.57	95.2	91.4	67.0-129			4.07	20
1,2,4-Trimethylbenzene	5.00	4.49	4.22	89.8	84.4	70.0-126			6.20	20
1,2,3-Trimethylbenzene	5.00	4.34	4.36	86.8	87.2	74.0-124			0.460	20
1,3,5-Trimethylbenzene	5.00	4.62	4.32	92.4	86.4	73.0-127			6.71	20
Vinyl chloride	5.00	4.73	4.24	94.6	84.8	63.0-134			10.9	20
Xylenes, Total	15.0	14.2	13.4	94.7	89.3	72.0-127			5.80	20
Ethyl Ether	5.00	4.34	4.42	86.8	88.4	64.0-137			1.83	20
Tetrahydrofuran	5.00	4.71	4.36	94.2	87.2	37.0-146			7.72	24
Iodomethane	25.0	21.1	20.3	84.4	81.2	74.0-134			3.86	20
Allyl chloride	25.0	22.9	21.6	91.6	86.4	70.0-131			5.84	20
Trans-1,4-Dichloro-2-butene	5.00	5.01	4.93	100	98.6	45.0-143			1.61	20
(S) Toluene-d8				*109*	*107*	*75.0-131*				
(S) 4-Bromofluorobenzene				*99.7*	*102*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*98.6*	*97.8*	*70.0-130*				

L1616869-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616869-04 05/17/23 17:05 • (MS) R3926910-4 05/17/23 21:24 • (MSD) R3926910-5 05/17/23 21:43

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	29.3	32.8	117	131	1	10.0-160			11.3	40
Acrylonitrile	25.0	U	26.1	26.5	104	106	1	10.0-160			1.52	40
Benzene	5.00	U	5.01	4.54	100	90.8	1	10.0-149			9.84	37
Bromobenzene	5.00	U	5.12	5.03	102	101	1	10.0-156			1.77	38
Bromodichloromethane	5.00	U	4.76	4.43	95.2	88.6	1	10.0-143			7.18	37
Bromoform	5.00	U	4.35	4.34	87.0	86.8	1	10.0-146			0.230	36
Bromomethane	5.00	U	4.33	3.92	86.6	78.4	1	10.0-149			9.94	38
n-Butylbenzene	5.00	U	4.27	4.05	85.4	81.0	1	10.0-160			5.29	40
sec-Butylbenzene	5.00	U	5.02	4.97	100	99.4	1	10.0-159			1.00	39
tert-Butylbenzene	5.00	U	5.06	5.03	101	101	1	10.0-156			0.595	39
Carbon tetrachloride	5.00	U	5.12	4.70	102	94.0	1	10.0-145			8.55	37
Chlorobenzene	5.00	U	5.23	4.86	105	97.2	1	10.0-152			7.33	39
Chlorodibromomethane	5.00	U	4.98	4.72	99.6	94.4	1	10.0-146			5.36	37
Chloroethane	5.00	U	4.34	4.03	86.8	80.6	1	10.0-146			7.41	40
Chloroform	5.00	U	4.74	4.56	94.8	91.2	1	10.0-146			3.87	37
Chloromethane	5.00	U	4.35	3.84	87.0	76.8	1	10.0-159			12.5	37
2-Chlorotoluene	5.00	U	5.18	4.34	104	86.8	1	10.0-159			17.6	38
4-Chlorotoluene	5.00	U	5.16	4.99	103	99.8	1	10.0-155			3.35	39
1,2-Dibromo-3-Chloropropane	5.00	U	4.99	5.15	99.8	103	1	10.0-151			3.16	39
1,2-Dibromoethane	5.00	U	5.01	4.68	100	93.6	1	10.0-148			6.81	34
Dibromomethane	5.00	U	4.87	4.84	97.4	96.8	1	10.0-147			0.618	35
1,2-Dichlorobenzene	5.00	U	5.16	5.10	103	102	1	10.0-155			1.17	37
1,3-Dichlorobenzene	5.00	U	5.20	5.03	104	101	1	10.0-153			3.32	38
1,4-Dichlorobenzene	5.00	U	4.85	4.68	97.0	93.6	1	10.0-151			3.57	38
Dichlorodifluoromethane	5.00	U	3.77	3.72	75.4	74.4	1	10.0-160			1.34	35
1,1-Dichloroethane	5.00	0.0310	4.77	4.51	94.8	89.6	1	10.0-147			5.60	37
1,2-Dichloroethane	5.00	U	4.41	4.45	88.2	89.0	1	10.0-148			0.903	35
1,1-Dichloroethene	5.00	U	4.67	4.36	93.4	87.2	1	10.0-155			6.87	37
cis-1,2-Dichloroethene	5.00	U	4.89	4.62	97.8	92.4	1	10.0-149			5.68	37
trans-1,2-Dichloroethene	5.00	U	4.77	4.71	95.4	94.2	1	10.0-150			1.27	37
1,2-Dichloropropane	5.00	U	5.04	4.75	101	95.0	1	10.0-148			5.92	37
1,1-Dichloropropene	5.00	U	4.95	4.54	99.0	90.8	1	10.0-153			8.64	35
1,3-Dichloropropane	5.00	U	5.24	4.87	105	97.4	1	10.0-154			7.32	35
cis-1,3-Dichloropropene	5.00	U	4.95	4.64	99.0	92.8	1	10.0-151			6.47	37
trans-1,3-Dichloropropene	5.00	U	4.84	4.56	96.8	91.2	1	10.0-148			5.96	37
2,2-Dichloropropane	5.00	U	4.99	4.51	99.8	90.2	1	10.0-138			10.1	36
Di-isopropyl ether	5.00	U	5.03	4.73	101	94.6	1	10.0-147			6.15	36
Ethylbenzene	5.00	U	5.39	5.01	108	100	1	10.0-160			7.31	38
Hexachloro-1,3-butadiene	5.00	U	5.16	5.38	103	108	1	10.0-160			4.17	40
Isopropylbenzene	5.00	U	4.90	4.82	98.0	96.4	1	10.0-155			1.65	38

L1616869-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616869-04 05/17/23 17:05 • (MS) R3926910-4 05/17/23 21:24 • (MSD) R3926910-5 05/17/23 21:43

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	0.494	6.08	5.91	112	108	1	10.0-160			2.84	40
2-Butanone (MEK)	25.0	U	27.2	28.4	109	114	1	10.0-160			4.32	40
Methylene Chloride	5.00	U	4.69	4.43	93.8	88.6	1	10.0-141			5.70	37
4-Methyl-2-pentanone (MIBK)	25.0	U	28.1	27.3	112	109	1	10.0-160			2.89	35
Methyl tert-butyl ether	5.00	U	5.09	5.15	102	103	1	11.0-147			1.17	35
Naphthalene	5.00	0.468	7.09	7.72	132	145	1	10.0-160			8.51	36
n-Propylbenzene	5.00	U	5.32	5.04	106	101	1	10.0-158			5.41	38
Styrene	5.00	U	5.05	4.91	101	98.2	1	10.0-160			2.81	40
1,1,1,2-Tetrachloroethane	5.00	U	4.59	4.29	91.8	85.8	1	10.0-149			6.76	39
1,1,2,2-Tetrachloroethane	5.00	U	4.69	4.81	93.8	96.2	1	10.0-160			2.53	35
1,1,2-Trichlorotrifluoroethane	5.00	U	5.29	4.88	106	97.6	1	10.0-160			8.06	36
Tetrachloroethene	5.00	U	5.23	4.58	105	91.6	1	10.0-156			13.3	39
Toluene	5.00	U	5.12	4.58	102	91.6	1	10.0-156			11.1	38
1,2,3-Trichlorobenzene	5.00	U	6.33	6.58	127	132	1	10.0-160			3.87	40
1,2,4-Trichlorobenzene	5.00	U	6.07	5.90	121	118	1	10.0-160			2.84	40
1,1,1-Trichloroethane	5.00	0.0630	4.77	4.60	94.1	90.7	1	10.0-144			3.63	35
1,1,2-Trichloroethane	5.00	0.209	5.45	4.90	105	93.8	1	10.0-160			10.6	35
Trichloroethene	5.00	U	5.23	4.92	105	98.4	1	10.0-156			6.11	38
Trichlorofluoromethane	5.00	U	4.63	4.35	92.6	87.0	1	10.0-160			6.24	40
1,2,3-Trichloropropane	5.00	U	5.05	4.90	101	98.0	1	10.0-156			3.02	35
1,2,4-Trimethylbenzene	5.00	U	5.01	4.78	100	95.6	1	10.0-160			4.70	36
1,2,3-Trimethylbenzene	5.00	U	4.83	4.79	96.6	95.8	1	10.0-160			0.832	36
1,3,5-Trimethylbenzene	5.00	0.141	5.01	4.82	97.4	93.6	1	10.0-160			3.87	38
Vinyl chloride	5.00	U	4.34	4.45	86.8	89.0	1	10.0-160			2.50	37
Xylenes, Total	15.0	U	14.5	14.8	96.7	98.7	1	10.0-160			2.05	38
Ethyl Ether	5.00	U	4.84	4.66	96.8	93.2	1	10.0-160			3.79	31
Tetrahydrofuran	5.00	U	5.44	5.88	109	118	1	10.0-158			7.77	33
Iodomethane	25.0	U	22.5	21.6	90.0	86.4	1	10.0-160			4.08	38
Allyl chloride	25.0	U	24.9	23.0	99.6	92.0	1	10.0-160			7.93	30
Trans-1,4-Dichloro-2-butene	5.00	0.0900	5.51	5.74	108	113	1	10.0-152			4.09	36
(S) Toluene-d8					*107*	*104*		*75.0-131*				
(S) 4-Bromofluorobenzene					*100*	*98.5*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*94.1*	*99.4*		*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
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.
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	LAO000356
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:
Rachel.McLaughlin@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 #
443022-1413001.10.701.02

Lab Project #
PESENVSWA-ALP

Collected by (print):
NEW

Site/Facility ID #

P.O. #443022-1413001.10.701.02
~~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

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-180-051023	G	GW	—	5/10/23	1245	9	X	X	X	X	X	X		-01
MW-181-051023		GW	—		1242	9	X	X	X	X	X	X		-02
MW-182-051023		GW	—		1411	9	X	X	X	X	X	X		-03
MW-183-051023		GW	—		1024	9	X	X	X	X	X	X		-04
MW-184-051023		GW	—		1119	9	X	X	X	X	X	X		-05
		GW												
		GW												
		GW												
		GW												
		GW												

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

L1015432

SDG # B153

Table #

Acctnum: **PESENVSWA**
Template: **T229085**
Prelogin: **P994911**
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 __ FedEx __ Courier _____

Tracking # 5829 6497 9879

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:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR
	5/10/23	1703		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.7 +0 =1.7 °C Bottles Received: 45
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/11/23 Time: 0900
			Alexa (2)	Hold: Condition: NCF / (OK)

ANALYTICAL REPORT

May 25, 2023

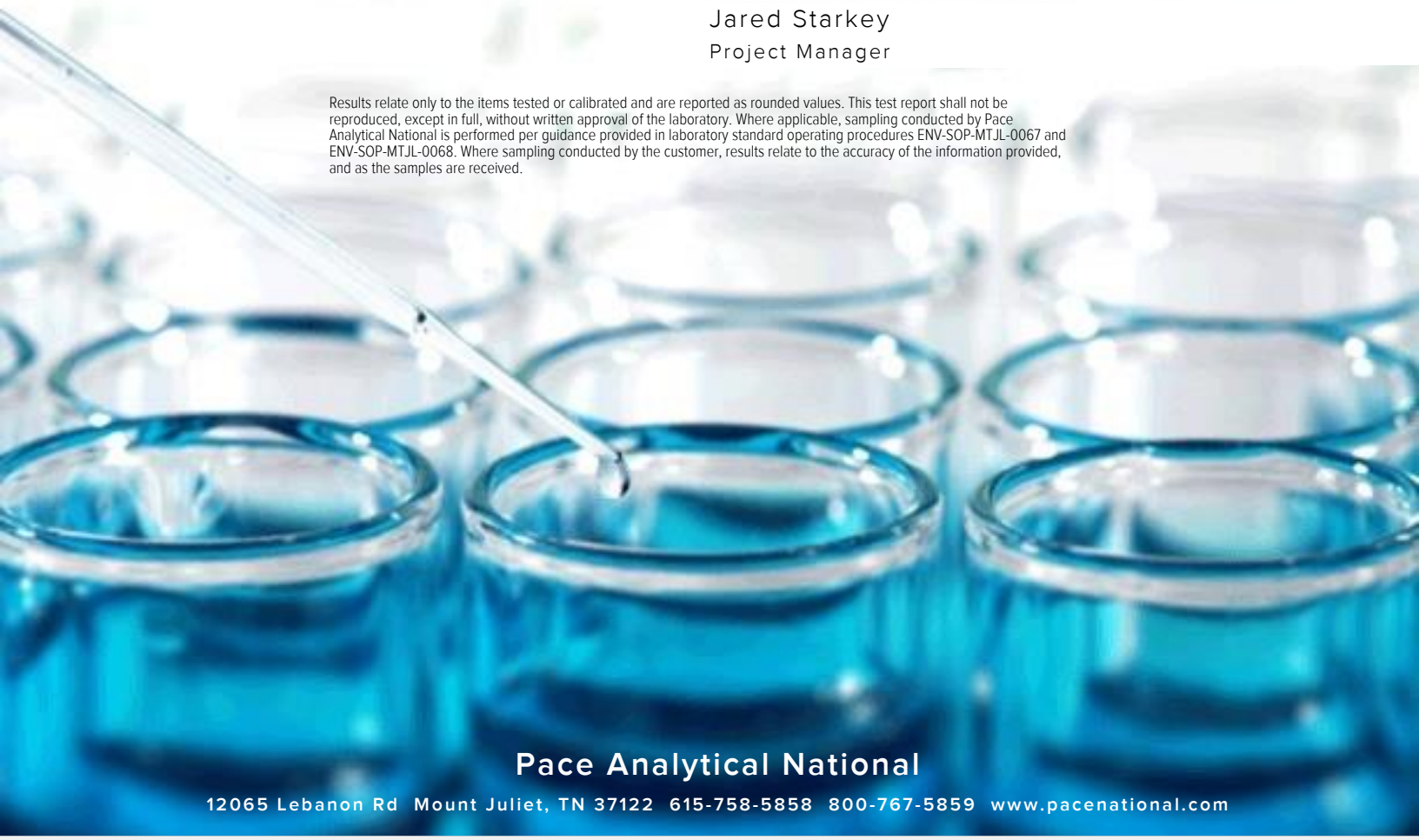
PES Environmental, Inc.- WA

Sample Delivery Group:	L1615451
Samples Received:	05/11/2023
Project Number:	443022-1413001.10.70
Description:	American Linen

Report To: Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager



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

TABLE OF CONTENTS

MW119-050923 L1615451-01 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 13:03 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061566	1	05/17/23 13:38	05/17/23 13:38	JBE	Mt. Juliet, TN

MW-351-050923 L1615451-02 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 13:26 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061566	1	05/17/23 13:58	05/17/23 13:58	JBE	Mt. Juliet, TN

MW105-050923 L1615451-03 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 11:26 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061566	1	05/17/23 14:17	05/17/23 14:17	JBE	Mt. Juliet, TN

MW103-050923 L1615451-04 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 15:58 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061566	1	05/17/23 14:36	05/17/23 14:36	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063148	20	05/20/23 20:24	05/20/23 20:24	BAM	Mt. Juliet, TN

MW-343-050923 L1615451-05 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 10:14 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061566	1	05/17/23 14:55	05/17/23 14:55	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063148	1	05/20/23 17:53	05/20/23 17:53	BAM	Mt. Juliet, TN

MW-342-050923 L1615451-06 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 11:01 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061566	1	05/17/23 15:14	05/17/23 15:14	JBE	Mt. Juliet, TN

FMW-131-050923 L1615451-07 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 12:12 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061566	1	05/17/23 15:33	05/17/23 15:33	JBE	Mt. Juliet, TN

GEI-2-050923 L1615451-08 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 13:20 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061937	1	05/17/23 22:24	05/17/23 22:24	JBE	Mt. Juliet, TN

MW-331-050923 L1615451-09 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 15:38 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061937	1	05/17/23 22:44	05/17/23 22:44	JBE	Mt. Juliet, TN

MW-138-050923 L1615451-10 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 10:03 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061937	1	05/17/23 23:03	05/17/23 23:03	JBE	Mt. Juliet, TN

MW-304-050923 L1615451-11 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 09:59 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061937	1	05/17/23 23:23	05/17/23 23:23	JBE	Mt. Juliet, TN

BB-8-050923 L1615451-12 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 11:53 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061937	1	05/17/23 23:42	05/17/23 23:42	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063363	10	05/20/23 01:03	05/20/23 01:03	ADM	Mt. Juliet, TN

MW-148-050923 L1615451-13 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 12:47 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061937	1	05/18/23 00:01	05/18/23 00:01	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063363	1	05/20/23 00:44	05/20/23 00:44	ADM	Mt. Juliet, TN

MW-155-050923 L1615451-14 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 13:57 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061937	1	05/18/23 00:21	05/18/23 00:21	JBE	Mt. Juliet, TN

MW-325-050923 L1615451-15 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 15:14 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061937	1	05/18/23 00:40	05/18/23 00:40	JBE	Mt. Juliet, TN

MW-326-050923 L1615451-16 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 14:05 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061937	1	05/18/23 00:59	05/18/23 00:59	JBE	Mt. Juliet, TN

MW-990-050923 L1615451-17 GW

Collected by: Osmin Monroy | Collected date/time: 05/09/23 12:00 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061937	1	05/18/23 01:19	05/18/23 01:19	JBE	Mt. Juliet, TN

MW112-051023 L1615451-18 GW

Collected by: Osmin Monroy | Collected date/time: 05/10/23 10:28 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061937	1	05/18/23 08:02	05/18/23 08:02	JBE	Mt. Juliet, TN

MW-179-051023 L1615451-19 GW

Collected by: Osmin Monroy | Collected date/time: 05/10/23 13:39 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2062770	1	05/19/23 06:42	05/19/23 06:42	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2059986	1	05/16/23 16:47	05/16/23 16:47	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060138	1	05/16/23 18:06	05/17/23 22:34	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2062564	1	05/19/23 07:56	05/20/23 10:19	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2061512	1	05/18/23 16:04	05/18/23 16:04	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2062632	10	05/18/23 17:12	05/18/23 17:12	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062291	1	05/18/23 12:17	05/18/23 12:17	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063702	50	05/22/23 01:07	05/22/23 01:07	JBE	Mt. Juliet, TN

MW-177-051023 L1615451-20 GW

Collected by: Osmin Monroy | Collected date/time: 05/10/23 14:16 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2062770	1	05/19/23 06:55	05/19/23 06:55	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2059986	1	05/16/23 18:36	05/16/23 18:36	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060138	1	05/16/23 18:06	05/17/23 22:37	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2062564	1	05/19/23 07:56	05/20/23 09:43	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2061512	1	05/18/23 16:09	05/18/23 16:09	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2062632	10	05/18/23 17:17	05/18/23 17:17	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062291	1	05/18/23 12:36	05/18/23 12:36	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063702	200	05/22/23 01:26	05/22/23 01:26	JBE	Mt. Juliet, TN

TB-051023 L1615451-21 GW

Collected by: Osmin Monroy | Collected date/time: 05/10/23 00:00 | Received date/time: 05/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2061937	1	05/17/23 21:34	05/17/23 21:34	JBE	Mt. Juliet, TN

CASE NARRATIVE

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

Jared Starkey
Project Manager

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1615451-19	MW-179-051023	8260D

Volatile 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	05/17/2023 13:38	WG2061566
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 13:38	WG2061566
Benzene	0.0480		0.0160	0.0400	1	05/17/2023 13:38	WG2061566
Bromobenzene	U		0.0420	0.500	1	05/17/2023 13:38	WG2061566
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 13:38	WG2061566
Bromoform	U	C3	0.239	1.00	1	05/17/2023 13:38	WG2061566
Bromomethane	U		0.148	0.500	1	05/17/2023 13:38	WG2061566
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 13:38	WG2061566
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 13:38	WG2061566
tert-Butylbenzene	U	J3	0.0620	0.200	1	05/17/2023 13:38	WG2061566
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 13:38	WG2061566
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 13:38	WG2061566
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 13:38	WG2061566
Chloroethane	U		0.0432	0.200	1	05/17/2023 13:38	WG2061566
Chloroform	U		0.0166	0.100	1	05/17/2023 13:38	WG2061566
Chloromethane	U		0.0556	0.500	1	05/17/2023 13:38	WG2061566
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 13:38	WG2061566
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 13:38	WG2061566
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/17/2023 13:38	WG2061566
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 13:38	WG2061566
Dibromomethane	U		0.0400	0.200	1	05/17/2023 13:38	WG2061566
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 13:38	WG2061566
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 13:38	WG2061566
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 13:38	WG2061566
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 13:38	WG2061566
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 13:38	WG2061566
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 13:38	WG2061566
1,1-Dichloroethene	0.0430	J	0.0200	0.100	1	05/17/2023 13:38	WG2061566
cis-1,2-Dichloroethene	9.12		0.0276	0.100	1	05/17/2023 13:38	WG2061566
trans-1,2-Dichloroethene	0.0900	J	0.0572	0.200	1	05/17/2023 13:38	WG2061566
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 13:38	WG2061566
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 13:38	WG2061566
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 13:38	WG2061566
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 13:38	WG2061566
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 13:38	WG2061566
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 13:38	WG2061566
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 13:38	WG2061566
Ethylbenzene	U		0.0212	0.100	1	05/17/2023 13:38	WG2061566
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2023 13:38	WG2061566
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 13:38	WG2061566
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 13:38	WG2061566
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 13:38	WG2061566
Methylene Chloride	U		0.265	1.00	1	05/17/2023 13:38	WG2061566
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 13:38	WG2061566
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 13:38	WG2061566
Naphthalene	U		0.124	0.500	1	05/17/2023 13:38	WG2061566
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 13:38	WG2061566
Styrene	U		0.109	0.500	1	05/17/2023 13:38	WG2061566
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 13:38	WG2061566
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 13:38	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 13:38	WG2061566
Tetrachloroethene	1.25		0.0280	0.100	1	05/17/2023 13:38	WG2061566
Toluene	U		0.0500	0.200	1	05/17/2023 13:38	WG2061566
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/17/2023 13:38	WG2061566
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 13:38	WG2061566
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 13:38	WG2061566

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 13:38	WG2061566
Trichloroethene	3.40		0.0160	0.0400	1	05/17/2023 13:38	WG2061566
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 13:38	WG2061566
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 13:38	WG2061566
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 13:38	WG2061566
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 13:38	WG2061566
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 13:38	WG2061566
Vinyl chloride	0.0860	J	0.0273	0.100	1	05/17/2023 13:38	WG2061566
Xylenes, Total	U		0.191	0.260	1	05/17/2023 13:38	WG2061566
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 13:38	WG2061566
Tetrahydrofuran	0.302	J	0.0900	0.500	1	05/17/2023 13:38	WG2061566
Iodomethane	U		0.242	0.500	1	05/17/2023 13:38	WG2061566
Allyl chloride	U		0.580	1.00	1	05/17/2023 13:38	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2023 13:38	WG2061566
(S) Toluene-d8	*110*			*75.0-131*		*05/17/2023 13:38*	WG2061566
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/17/2023 13:38*	WG2061566
(S) 1,2-Dichloroethane-d4	*86.6*			*70.0-130*		*05/17/2023 13:38*	WG2061566

Volatile 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	05/17/2023 13:58	WG2061566
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 13:58	WG2061566
Benzene	0.0540		0.0160	0.0400	1	05/17/2023 13:58	WG2061566
Bromobenzene	U		0.0420	0.500	1	05/17/2023 13:58	WG2061566
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 13:58	WG2061566
Bromoform	U	C3	0.239	1.00	1	05/17/2023 13:58	WG2061566
Bromomethane	U		0.148	0.500	1	05/17/2023 13:58	WG2061566
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 13:58	WG2061566
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 13:58	WG2061566
tert-Butylbenzene	U	J3	0.0620	0.200	1	05/17/2023 13:58	WG2061566
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 13:58	WG2061566
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 13:58	WG2061566
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 13:58	WG2061566
Chloroethane	U		0.0432	0.200	1	05/17/2023 13:58	WG2061566
Chloroform	0.491		0.0166	0.100	1	05/17/2023 13:58	WG2061566
Chloromethane	U		0.0556	0.500	1	05/17/2023 13:58	WG2061566
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 13:58	WG2061566
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 13:58	WG2061566
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/17/2023 13:58	WG2061566
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 13:58	WG2061566
Dibromomethane	U		0.0400	0.200	1	05/17/2023 13:58	WG2061566
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 13:58	WG2061566
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 13:58	WG2061566
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 13:58	WG2061566
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 13:58	WG2061566
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 13:58	WG2061566
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 13:58	WG2061566
1,1-Dichloroethene	0.0290	J	0.0200	0.100	1	05/17/2023 13:58	WG2061566
cis-1,2-Dichloroethene	10.3		0.0276	0.100	1	05/17/2023 13:58	WG2061566
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 13:58	WG2061566
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 13:58	WG2061566
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 13:58	WG2061566
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 13:58	WG2061566
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 13:58	WG2061566
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 13:58	WG2061566
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 13:58	WG2061566
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 13:58	WG2061566
Ethylbenzene	0.116		0.0212	0.100	1	05/17/2023 13:58	WG2061566
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2023 13:58	WG2061566
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 13:58	WG2061566
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 13:58	WG2061566
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 13:58	WG2061566
Methylene Chloride	U		0.265	1.00	1	05/17/2023 13:58	WG2061566
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 13:58	WG2061566
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 13:58	WG2061566
Naphthalene	U		0.124	0.500	1	05/17/2023 13:58	WG2061566
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 13:58	WG2061566
Styrene	U		0.109	0.500	1	05/17/2023 13:58	WG2061566
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 13:58	WG2061566
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 13:58	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 13:58	WG2061566
Tetrachloroethene	0.415		0.0280	0.100	1	05/17/2023 13:58	WG2061566
Toluene	0.229		0.0500	0.200	1	05/17/2023 13:58	WG2061566
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/17/2023 13:58	WG2061566
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 13:58	WG2061566
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 13:58	WG2061566

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 13:58	WG2061566
Trichloroethene	0.538		0.0160	0.0400	1	05/17/2023 13:58	WG2061566
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 13:58	WG2061566
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 13:58	WG2061566
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 13:58	WG2061566
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 13:58	WG2061566
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 13:58	WG2061566
Vinyl chloride	U		0.0273	0.100	1	05/17/2023 13:58	WG2061566
Xylenes, Total	0.618		0.191	0.260	1	05/17/2023 13:58	WG2061566
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 13:58	WG2061566
Tetrahydrofuran	0.666		0.0900	0.500	1	05/17/2023 13:58	WG2061566
Iodomethane	U		0.242	0.500	1	05/17/2023 13:58	WG2061566
Allyl chloride	U		0.580	1.00	1	05/17/2023 13:58	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2023 13:58	WG2061566
(S) Toluene-d8	*106*			*75.0-131*		*05/17/2023 13:58*	WG2061566
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/17/2023 13:58*	WG2061566
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*05/17/2023 13:58*	WG2061566

Volatile 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	05/17/2023 14:17	WG2061566
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 14:17	WG2061566
Benzene	0.0320	J	0.0160	0.0400	1	05/17/2023 14:17	WG2061566
Bromobenzene	U		0.0420	0.500	1	05/17/2023 14:17	WG2061566
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 14:17	WG2061566
Bromoform	U	C3	0.239	1.00	1	05/17/2023 14:17	WG2061566
Bromomethane	U		0.148	0.500	1	05/17/2023 14:17	WG2061566
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 14:17	WG2061566
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 14:17	WG2061566
tert-Butylbenzene	U	J3	0.0620	0.200	1	05/17/2023 14:17	WG2061566
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 14:17	WG2061566
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 14:17	WG2061566
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 14:17	WG2061566
Chloroethane	U		0.0432	0.200	1	05/17/2023 14:17	WG2061566
Chloroform	0.0780	J	0.0166	0.100	1	05/17/2023 14:17	WG2061566
Chloromethane	U		0.0556	0.500	1	05/17/2023 14:17	WG2061566
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 14:17	WG2061566
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 14:17	WG2061566
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/17/2023 14:17	WG2061566
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 14:17	WG2061566
Dibromomethane	U		0.0400	0.200	1	05/17/2023 14:17	WG2061566
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 14:17	WG2061566
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 14:17	WG2061566
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 14:17	WG2061566
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 14:17	WG2061566
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 14:17	WG2061566
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 14:17	WG2061566
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 14:17	WG2061566
cis-1,2-Dichloroethene	0.0530	J	0.0276	0.100	1	05/17/2023 14:17	WG2061566
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 14:17	WG2061566
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 14:17	WG2061566
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 14:17	WG2061566
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 14:17	WG2061566
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 14:17	WG2061566
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 14:17	WG2061566
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 14:17	WG2061566
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 14:17	WG2061566
Ethylbenzene	0.208		0.0212	0.100	1	05/17/2023 14:17	WG2061566
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2023 14:17	WG2061566
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 14:17	WG2061566
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 14:17	WG2061566
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 14:17	WG2061566
Methylene Chloride	U		0.265	1.00	1	05/17/2023 14:17	WG2061566
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 14:17	WG2061566
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 14:17	WG2061566
Naphthalene	U		0.124	0.500	1	05/17/2023 14:17	WG2061566
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 14:17	WG2061566
Styrene	U		0.109	0.500	1	05/17/2023 14:17	WG2061566
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 14:17	WG2061566
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 14:17	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 14:17	WG2061566
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 14:17	WG2061566
Toluene	0.436		0.0500	0.200	1	05/17/2023 14:17	WG2061566
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/17/2023 14:17	WG2061566
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 14:17	WG2061566
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 14:17	WG2061566

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 14:17	WG2061566
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 14:17	WG2061566
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 14:17	WG2061566
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 14:17	WG2061566
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 14:17	WG2061566
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 14:17	WG2061566
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 14:17	WG2061566
Vinyl chloride	U		0.0273	0.100	1	05/17/2023 14:17	WG2061566
Xylenes, Total	1.12		0.191	0.260	1	05/17/2023 14:17	WG2061566
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 14:17	WG2061566
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 14:17	WG2061566
Iodomethane	U		0.242	0.500	1	05/17/2023 14:17	WG2061566
Allyl chloride	U		0.580	1.00	1	05/17/2023 14:17	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2023 14:17	WG2061566
(S) Toluene-d8	*109*			*75.0-131*		*05/17/2023 14:17*	WG2061566
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/17/2023 14:17*	WG2061566
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*		*05/17/2023 14:17*	WG2061566

Volatile 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	05/17/2023 14:36	WG2061566
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 14:36	WG2061566
Benzene	0.0440		0.0160	0.0400	1	05/17/2023 14:36	WG2061566
Bromobenzene	U		0.0420	0.500	1	05/17/2023 14:36	WG2061566
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 14:36	WG2061566
Bromoform	U	C3	0.239	1.00	1	05/17/2023 14:36	WG2061566
Bromomethane	U		0.148	0.500	1	05/17/2023 14:36	WG2061566
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 14:36	WG2061566
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 14:36	WG2061566
tert-Butylbenzene	U	J3	0.0620	0.200	1	05/17/2023 14:36	WG2061566
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 14:36	WG2061566
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 14:36	WG2061566
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 14:36	WG2061566
Chloroethane	U		0.0432	0.200	1	05/17/2023 14:36	WG2061566
Chloroform	U		0.0166	0.100	1	05/17/2023 14:36	WG2061566
Chloromethane	U		0.0556	0.500	1	05/17/2023 14:36	WG2061566
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 14:36	WG2061566
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 14:36	WG2061566
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/17/2023 14:36	WG2061566
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 14:36	WG2061566
Dibromomethane	U		0.0400	0.200	1	05/17/2023 14:36	WG2061566
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 14:36	WG2061566
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 14:36	WG2061566
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 14:36	WG2061566
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 14:36	WG2061566
1,1-Dichloroethane	0.0460	J	0.0230	0.100	1	05/17/2023 14:36	WG2061566
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 14:36	WG2061566
1,1-Dichloroethene	1.89		0.0200	0.100	1	05/17/2023 14:36	WG2061566
cis-1,2-Dichloroethene	222		0.552	2.00	20	05/20/2023 20:24	WG2063148
trans-1,2-Dichloroethene	0.317		0.0572	0.200	1	05/17/2023 14:36	WG2061566
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 14:36	WG2061566
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 14:36	WG2061566
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 14:36	WG2061566
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 14:36	WG2061566
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 14:36	WG2061566
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 14:36	WG2061566
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 14:36	WG2061566
Ethylbenzene	U		0.0212	0.100	1	05/17/2023 14:36	WG2061566
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2023 14:36	WG2061566
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 14:36	WG2061566
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 14:36	WG2061566
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 14:36	WG2061566
Methylene Chloride	U		0.265	1.00	1	05/17/2023 14:36	WG2061566
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 14:36	WG2061566
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 14:36	WG2061566
Naphthalene	U		0.124	0.500	1	05/17/2023 14:36	WG2061566
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 14:36	WG2061566
Styrene	U		0.109	0.500	1	05/17/2023 14:36	WG2061566
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 14:36	WG2061566
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 14:36	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 14:36	WG2061566
Tetrachloroethene	0.109		0.0280	0.100	1	05/17/2023 14:36	WG2061566
Toluene	U		0.0500	0.200	1	05/17/2023 14:36	WG2061566
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/17/2023 14:36	WG2061566
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 14:36	WG2061566
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 14:36	WG2061566

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 14:36	WG2061566
Trichloroethene	1.33		0.0160	0.0400	1	05/17/2023 14:36	WG2061566
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 14:36	WG2061566
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 14:36	WG2061566
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 14:36	WG2061566
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 14:36	WG2061566
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 14:36	WG2061566
Vinyl chloride	69.6		0.0273	0.100	1	05/17/2023 14:36	WG2061566
Xylenes, Total	U		0.191	0.260	1	05/17/2023 14:36	WG2061566
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 14:36	WG2061566
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 14:36	WG2061566
Iodomethane	U		0.242	0.500	1	05/17/2023 14:36	WG2061566
Allyl chloride	U		0.580	1.00	1	05/17/2023 14:36	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2023 14:36	WG2061566
(S) Toluene-d8	*107*			*75.0-131*		*05/17/2023 14:36*	WG2061566
(S) Toluene-d8	*105*			*75.0-131*		*05/20/2023 20:24*	WG2063148
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/17/2023 14:36*	WG2061566
(S) 4-Bromofluorobenzene	*92.6*			*67.0-138*		*05/20/2023 20:24*	WG2063148
(S) 1,2-Dichloroethane-d4	*96.6*			*70.0-130*		*05/17/2023 14:36*	WG2061566
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*05/20/2023 20:24*	WG2063148

Volatile 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	05/17/2023 14:55	WG2061566
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 14:55	WG2061566
Benzene	0.0510		0.0160	0.0400	1	05/17/2023 14:55	WG2061566
Bromobenzene	U		0.0420	0.500	1	05/17/2023 14:55	WG2061566
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 14:55	WG2061566
Bromoform	U	C3	0.239	1.00	1	05/17/2023 14:55	WG2061566
Bromomethane	U		0.148	0.500	1	05/17/2023 14:55	WG2061566
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 14:55	WG2061566
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 14:55	WG2061566
tert-Butylbenzene	U	J3	0.0620	0.200	1	05/17/2023 14:55	WG2061566
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 14:55	WG2061566
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 14:55	WG2061566
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 14:55	WG2061566
Chloroethane	U		0.0432	0.200	1	05/17/2023 14:55	WG2061566
Chloroform	U		0.0166	0.100	1	05/17/2023 14:55	WG2061566
Chloromethane	U		0.0556	0.500	1	05/17/2023 14:55	WG2061566
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 14:55	WG2061566
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 14:55	WG2061566
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/17/2023 14:55	WG2061566
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 14:55	WG2061566
Dibromomethane	U		0.0400	0.200	1	05/17/2023 14:55	WG2061566
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 14:55	WG2061566
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 14:55	WG2061566
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 14:55	WG2061566
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 14:55	WG2061566
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 14:55	WG2061566
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 14:55	WG2061566
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 14:55	WG2061566
cis-1,2-Dichloroethene	0.214		0.0276	0.100	1	05/20/2023 17:53	WG2063148
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 14:55	WG2061566
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 14:55	WG2061566
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 14:55	WG2061566
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 14:55	WG2061566
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 14:55	WG2061566
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 14:55	WG2061566
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 14:55	WG2061566
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 14:55	WG2061566
Ethylbenzene	0.0680	J	0.0212	0.100	1	05/17/2023 14:55	WG2061566
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2023 14:55	WG2061566
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 14:55	WG2061566
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 14:55	WG2061566
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 14:55	WG2061566
Methylene Chloride	U		0.265	1.00	1	05/17/2023 14:55	WG2061566
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 14:55	WG2061566
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 14:55	WG2061566
Naphthalene	U		0.124	0.500	1	05/17/2023 14:55	WG2061566
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 14:55	WG2061566
Styrene	U		0.109	0.500	1	05/17/2023 14:55	WG2061566
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 14:55	WG2061566
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 14:55	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 14:55	WG2061566
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 14:55	WG2061566
Toluene	0.328		0.0500	0.200	1	05/17/2023 14:55	WG2061566
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/17/2023 14:55	WG2061566
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 14:55	WG2061566
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 14:55	WG2061566

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 14:55	WG2061566
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 14:55	WG2061566
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 14:55	WG2061566
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 14:55	WG2061566
1,2,4-Trimethylbenzene	0.167	J	0.0464	0.200	1	05/17/2023 14:55	WG2061566
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 14:55	WG2061566
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 14:55	WG2061566
Vinyl chloride	U		0.0273	0.100	1	05/17/2023 14:55	WG2061566
Xylenes, Total	0.491		0.191	0.260	1	05/17/2023 14:55	WG2061566
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 14:55	WG2061566
Tetrahydrofuran	0.270	J	0.0900	0.500	1	05/17/2023 14:55	WG2061566
Iodomethane	U		0.242	0.500	1	05/17/2023 14:55	WG2061566
Allyl chloride	U		0.580	1.00	1	05/17/2023 14:55	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2023 14:55	WG2061566
(S) Toluene-d8	*107*			*75.0-131*		*05/17/2023 14:55*	WG2061566
(S) Toluene-d8	*104*			*75.0-131*		*05/20/2023 17:53*	WG2063148
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/17/2023 14:55*	WG2061566
(S) 4-Bromofluorobenzene	*95.9*			*67.0-138*		*05/20/2023 17:53*	WG2063148
(S) 1,2-Dichloroethane-d4	*91.6*			*70.0-130*		*05/17/2023 14:55*	WG2061566
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*05/20/2023 17:53*	WG2063148

Volatile 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	05/17/2023 15:14	WG2061566
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 15:14	WG2061566
Benzene	0.0290	J	0.0160	0.0400	1	05/17/2023 15:14	WG2061566
Bromobenzene	U		0.0420	0.500	1	05/17/2023 15:14	WG2061566
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 15:14	WG2061566
Bromoform	U	C3	0.239	1.00	1	05/17/2023 15:14	WG2061566
Bromomethane	U		0.148	0.500	1	05/17/2023 15:14	WG2061566
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 15:14	WG2061566
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 15:14	WG2061566
tert-Butylbenzene	U	J3	0.0620	0.200	1	05/17/2023 15:14	WG2061566
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 15:14	WG2061566
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 15:14	WG2061566
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 15:14	WG2061566
Chloroethane	U		0.0432	0.200	1	05/17/2023 15:14	WG2061566
Chloroform	U		0.0166	0.100	1	05/17/2023 15:14	WG2061566
Chloromethane	U		0.0556	0.500	1	05/17/2023 15:14	WG2061566
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 15:14	WG2061566
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 15:14	WG2061566
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/17/2023 15:14	WG2061566
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 15:14	WG2061566
Dibromomethane	U		0.0400	0.200	1	05/17/2023 15:14	WG2061566
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 15:14	WG2061566
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 15:14	WG2061566
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 15:14	WG2061566
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 15:14	WG2061566
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 15:14	WG2061566
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 15:14	WG2061566
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 15:14	WG2061566
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/17/2023 15:14	WG2061566
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 15:14	WG2061566
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 15:14	WG2061566
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 15:14	WG2061566
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 15:14	WG2061566
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 15:14	WG2061566
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 15:14	WG2061566
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 15:14	WG2061566
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 15:14	WG2061566
Ethylbenzene	U		0.0212	0.100	1	05/17/2023 15:14	WG2061566
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2023 15:14	WG2061566
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 15:14	WG2061566
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 15:14	WG2061566
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 15:14	WG2061566
Methylene Chloride	U		0.265	1.00	1	05/17/2023 15:14	WG2061566
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 15:14	WG2061566
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 15:14	WG2061566
Naphthalene	U		0.124	0.500	1	05/17/2023 15:14	WG2061566
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 15:14	WG2061566
Styrene	U		0.109	0.500	1	05/17/2023 15:14	WG2061566
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 15:14	WG2061566
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 15:14	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 15:14	WG2061566
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 15:14	WG2061566
Toluene	U		0.0500	0.200	1	05/17/2023 15:14	WG2061566
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/17/2023 15:14	WG2061566
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 15:14	WG2061566
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 15:14	WG2061566

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 15:14	WG2061566
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 15:14	WG2061566
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 15:14	WG2061566
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 15:14	WG2061566
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 15:14	WG2061566
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 15:14	WG2061566
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 15:14	WG2061566
Vinyl chloride	U		0.0273	0.100	1	05/17/2023 15:14	WG2061566
Xylenes, Total	U		0.191	0.260	1	05/17/2023 15:14	WG2061566
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 15:14	WG2061566
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 15:14	WG2061566
Iodomethane	U		0.242	0.500	1	05/17/2023 15:14	WG2061566
Allyl chloride	U		0.580	1.00	1	05/17/2023 15:14	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2023 15:14	WG2061566
(S) Toluene-d8	*107*			*75.0-131*		*05/17/2023 15:14*	WG2061566
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/17/2023 15:14*	WG2061566
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*05/17/2023 15:14*	WG2061566

Volatile 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	05/17/2023 15:33	WG2061566
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 15:33	WG2061566
Benzene	U		0.0160	0.0400	1	05/17/2023 15:33	WG2061566
Bromobenzene	U		0.0420	0.500	1	05/17/2023 15:33	WG2061566
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 15:33	WG2061566
Bromoform	U	C3	0.239	1.00	1	05/17/2023 15:33	WG2061566
Bromomethane	U		0.148	0.500	1	05/17/2023 15:33	WG2061566
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 15:33	WG2061566
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 15:33	WG2061566
tert-Butylbenzene	U	J3	0.0620	0.200	1	05/17/2023 15:33	WG2061566
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 15:33	WG2061566
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 15:33	WG2061566
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 15:33	WG2061566
Chloroethane	U		0.0432	0.200	1	05/17/2023 15:33	WG2061566
Chloroform	U		0.0166	0.100	1	05/17/2023 15:33	WG2061566
Chloromethane	U		0.0556	0.500	1	05/17/2023 15:33	WG2061566
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 15:33	WG2061566
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 15:33	WG2061566
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/17/2023 15:33	WG2061566
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 15:33	WG2061566
Dibromomethane	U		0.0400	0.200	1	05/17/2023 15:33	WG2061566
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 15:33	WG2061566
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 15:33	WG2061566
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 15:33	WG2061566
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 15:33	WG2061566
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 15:33	WG2061566
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 15:33	WG2061566
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 15:33	WG2061566
cis-1,2-Dichloroethene	7.47		0.0276	0.100	1	05/17/2023 15:33	WG2061566
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 15:33	WG2061566
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 15:33	WG2061566
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 15:33	WG2061566
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 15:33	WG2061566
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 15:33	WG2061566
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 15:33	WG2061566
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 15:33	WG2061566
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 15:33	WG2061566
Ethylbenzene	U		0.0212	0.100	1	05/17/2023 15:33	WG2061566
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2023 15:33	WG2061566
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 15:33	WG2061566
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 15:33	WG2061566
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 15:33	WG2061566
Methylene Chloride	U		0.265	1.00	1	05/17/2023 15:33	WG2061566
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 15:33	WG2061566
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 15:33	WG2061566
Naphthalene	U		0.124	0.500	1	05/17/2023 15:33	WG2061566
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 15:33	WG2061566
Styrene	U		0.109	0.500	1	05/17/2023 15:33	WG2061566
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 15:33	WG2061566
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 15:33	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 15:33	WG2061566
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 15:33	WG2061566
Toluene	0.170	J	0.0500	0.200	1	05/17/2023 15:33	WG2061566
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/17/2023 15:33	WG2061566
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 15:33	WG2061566
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 15:33	WG2061566

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 15:33	WG2061566
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 15:33	WG2061566
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 15:33	WG2061566
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 15:33	WG2061566
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 15:33	WG2061566
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 15:33	WG2061566
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 15:33	WG2061566
Vinyl chloride	0.323		0.0273	0.100	1	05/17/2023 15:33	WG2061566
Xylenes, Total	U		0.191	0.260	1	05/17/2023 15:33	WG2061566
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 15:33	WG2061566
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 15:33	WG2061566
Iodomethane	U		0.242	0.500	1	05/17/2023 15:33	WG2061566
Allyl chloride	U		0.580	1.00	1	05/17/2023 15:33	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2023 15:33	WG2061566
(S) Toluene-d8	*106*			*75.0-131*		*05/17/2023 15:33*	WG2061566
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/17/2023 15:33*	WG2061566
(S) 1,2-Dichloroethane-d4	*92.4*			*70.0-130*		*05/17/2023 15:33*	WG2061566

Volatile 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	05/17/2023 22:24	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 22:24	WG2061937
Benzene	U		0.0160	0.0400	1	05/17/2023 22:24	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/17/2023 22:24	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 22:24	WG2061937
Bromoform	U		0.239	1.00	1	05/17/2023 22:24	WG2061937
Bromomethane	U		0.148	0.500	1	05/17/2023 22:24	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 22:24	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 22:24	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2023 22:24	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 22:24	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 22:24	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 22:24	WG2061937
Chloroethane	U		0.0432	0.200	1	05/17/2023 22:24	WG2061937
Chloroform	U		0.0166	0.100	1	05/17/2023 22:24	WG2061937
Chloromethane	U		0.0556	0.500	1	05/17/2023 22:24	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 22:24	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 22:24	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2023 22:24	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 22:24	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/17/2023 22:24	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 22:24	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 22:24	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 22:24	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 22:24	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 22:24	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 22:24	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 22:24	WG2061937
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/17/2023 22:24	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 22:24	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 22:24	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 22:24	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 22:24	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 22:24	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 22:24	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 22:24	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 22:24	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/17/2023 22:24	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/17/2023 22:24	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 22:24	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 22:24	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 22:24	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/17/2023 22:24	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 22:24	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 22:24	WG2061937
Naphthalene	U	C3	0.124	0.500	1	05/17/2023 22:24	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 22:24	WG2061937
Styrene	U		0.109	0.500	1	05/17/2023 22:24	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 22:24	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 22:24	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 22:24	WG2061937
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 22:24	WG2061937
Toluene	0.212		0.0500	0.200	1	05/17/2023 22:24	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/17/2023 22:24	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 22:24	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 22:24	WG2061937

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 22:24	WG2061937
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 22:24	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 22:24	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 22:24	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 22:24	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 22:24	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 22:24	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/17/2023 22:24	WG2061937
Xylenes, Total	U		0.191	0.260	1	05/17/2023 22:24	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 22:24	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 22:24	WG2061937
Iodomethane	U		0.242	0.500	1	05/17/2023 22:24	WG2061937
Allyl chloride	U		0.580	1.00	1	05/17/2023 22:24	WG2061937
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/17/2023 22:24	WG2061937
(S) Toluene-d8	*101*			*75.0-131*		*05/17/2023 22:24*	WG2061937
(S) 4-Bromofluorobenzene	*84.7*			*67.0-138*		*05/17/2023 22:24*	WG2061937
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/17/2023 22:24*	WG2061937

Volatile 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	05/17/2023 22:44	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 22:44	WG2061937
Benzene	U		0.0160	0.0400	1	05/17/2023 22:44	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/17/2023 22:44	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 22:44	WG2061937
Bromoform	U		0.239	1.00	1	05/17/2023 22:44	WG2061937
Bromomethane	U		0.148	0.500	1	05/17/2023 22:44	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 22:44	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 22:44	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2023 22:44	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 22:44	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 22:44	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 22:44	WG2061937
Chloroethane	U		0.0432	0.200	1	05/17/2023 22:44	WG2061937
Chloroform	U		0.0166	0.100	1	05/17/2023 22:44	WG2061937
Chloromethane	U		0.0556	0.500	1	05/17/2023 22:44	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 22:44	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 22:44	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2023 22:44	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 22:44	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/17/2023 22:44	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 22:44	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 22:44	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 22:44	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 22:44	WG2061937
1,1-Dichloroethane	0.807		0.0230	0.100	1	05/17/2023 22:44	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 22:44	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 22:44	WG2061937
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/17/2023 22:44	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 22:44	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 22:44	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 22:44	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 22:44	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 22:44	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 22:44	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 22:44	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 22:44	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/17/2023 22:44	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/17/2023 22:44	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 22:44	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 22:44	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 22:44	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/17/2023 22:44	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 22:44	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 22:44	WG2061937
Naphthalene	U	C3	0.124	0.500	1	05/17/2023 22:44	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 22:44	WG2061937
Styrene	U		0.109	0.500	1	05/17/2023 22:44	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 22:44	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 22:44	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 22:44	WG2061937
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 22:44	WG2061937
Toluene	U		0.0500	0.200	1	05/17/2023 22:44	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/17/2023 22:44	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 22:44	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 22:44	WG2061937

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 22:44	WG2061937
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 22:44	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 22:44	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 22:44	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 22:44	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 22:44	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 22:44	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/17/2023 22:44	WG2061937
Xylenes, Total	U		0.191	0.260	1	05/17/2023 22:44	WG2061937
Ethyl Ether	0.0410	J	0.0170	0.100	1	05/17/2023 22:44	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 22:44	WG2061937
Iodomethane	U		0.242	0.500	1	05/17/2023 22:44	WG2061937
Allyl chloride	U		0.580	1.00	1	05/17/2023 22:44	WG2061937
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/17/2023 22:44	WG2061937
(S) Toluene-d8	*108*			*75.0-131*		*05/17/2023 22:44*	WG2061937
(S) 4-Bromofluorobenzene	*78.9*			*67.0-138*		*05/17/2023 22:44*	WG2061937
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/17/2023 22:44*	WG2061937

Volatile 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	05/17/2023 23:03	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 23:03	WG2061937
Benzene	0.0200	J	0.0160	0.0400	1	05/17/2023 23:03	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/17/2023 23:03	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 23:03	WG2061937
Bromoform	U		0.239	1.00	1	05/17/2023 23:03	WG2061937
Bromomethane	U		0.148	0.500	1	05/17/2023 23:03	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 23:03	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 23:03	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2023 23:03	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 23:03	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 23:03	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 23:03	WG2061937
Chloroethane	U		0.0432	0.200	1	05/17/2023 23:03	WG2061937
Chloroform	U		0.0166	0.100	1	05/17/2023 23:03	WG2061937
Chloromethane	U		0.0556	0.500	1	05/17/2023 23:03	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 23:03	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 23:03	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2023 23:03	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 23:03	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/17/2023 23:03	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 23:03	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 23:03	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 23:03	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 23:03	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 23:03	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 23:03	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 23:03	WG2061937
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/17/2023 23:03	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 23:03	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 23:03	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 23:03	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 23:03	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 23:03	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 23:03	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 23:03	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 23:03	WG2061937
Ethylbenzene	0.0830	J	0.0212	0.100	1	05/17/2023 23:03	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/17/2023 23:03	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 23:03	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 23:03	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 23:03	WG2061937
Methylene Chloride	0.268	J	0.265	1.00	1	05/17/2023 23:03	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 23:03	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 23:03	WG2061937
Naphthalene	U	C3	0.124	0.500	1	05/17/2023 23:03	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 23:03	WG2061937
Styrene	U		0.109	0.500	1	05/17/2023 23:03	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 23:03	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 23:03	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 23:03	WG2061937
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 23:03	WG2061937
Toluene	0.536		0.0500	0.200	1	05/17/2023 23:03	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/17/2023 23:03	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 23:03	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 23:03	WG2061937

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 23:03	WG2061937
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 23:03	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 23:03	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 23:03	WG2061937
1,2,4-Trimethylbenzene	0.0920	J	0.0464	0.200	1	05/17/2023 23:03	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 23:03	WG2061937
1,3,5-Trimethylbenzene	0.141	J	0.0432	0.200	1	05/17/2023 23:03	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/17/2023 23:03	WG2061937
Xylenes, Total	0.587		0.191	0.260	1	05/17/2023 23:03	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 23:03	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 23:03	WG2061937
Iodomethane	U		0.242	0.500	1	05/17/2023 23:03	WG2061937
Allyl chloride	U		0.580	1.00	1	05/17/2023 23:03	WG2061937
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/17/2023 23:03	WG2061937
(S) Toluene-d8	*103*			*75.0-131*		*05/17/2023 23:03*	WG2061937
(S) 4-Bromofluorobenzene	*82.6*			*67.0-138*		*05/17/2023 23:03*	WG2061937
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/17/2023 23:03*	WG2061937

Volatile 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	05/17/2023 23:23	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 23:23	WG2061937
Benzene	0.0250	J	0.0160	0.0400	1	05/17/2023 23:23	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/17/2023 23:23	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 23:23	WG2061937
Bromoform	U		0.239	1.00	1	05/17/2023 23:23	WG2061937
Bromomethane	U		0.148	0.500	1	05/17/2023 23:23	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 23:23	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 23:23	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2023 23:23	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 23:23	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 23:23	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 23:23	WG2061937
Chloroethane	U		0.0432	0.200	1	05/17/2023 23:23	WG2061937
Chloroform	U		0.0166	0.100	1	05/17/2023 23:23	WG2061937
Chloromethane	U		0.0556	0.500	1	05/17/2023 23:23	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 23:23	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 23:23	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2023 23:23	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 23:23	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/17/2023 23:23	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 23:23	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 23:23	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 23:23	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 23:23	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 23:23	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 23:23	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 23:23	WG2061937
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/17/2023 23:23	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 23:23	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 23:23	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 23:23	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 23:23	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 23:23	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 23:23	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 23:23	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 23:23	WG2061937
Ethylbenzene	0.288		0.0212	0.100	1	05/17/2023 23:23	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/17/2023 23:23	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 23:23	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 23:23	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 23:23	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/17/2023 23:23	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 23:23	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 23:23	WG2061937
Naphthalene	U	C3	0.124	0.500	1	05/17/2023 23:23	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 23:23	WG2061937
Styrene	U		0.109	0.500	1	05/17/2023 23:23	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 23:23	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 23:23	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 23:23	WG2061937
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 23:23	WG2061937
Toluene	1.03		0.0500	0.200	1	05/17/2023 23:23	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/17/2023 23:23	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 23:23	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 23:23	WG2061937

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 23:23	WG2061937
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 23:23	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 23:23	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 23:23	WG2061937
1,2,4-Trimethylbenzene	0.0740	J	0.0464	0.200	1	05/17/2023 23:23	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 23:23	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 23:23	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/17/2023 23:23	WG2061937
Xylenes, Total	1.68		0.191	0.260	1	05/17/2023 23:23	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 23:23	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 23:23	WG2061937
Iodomethane	U		0.242	0.500	1	05/17/2023 23:23	WG2061937
Allyl chloride	U		0.580	1.00	1	05/17/2023 23:23	WG2061937
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/17/2023 23:23	WG2061937
(S) Toluene-d8	*103*			*75.0-131*		*05/17/2023 23:23*	WG2061937
(S) 4-Bromofluorobenzene	*78.3*			*67.0-138*		*05/17/2023 23:23*	WG2061937
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/17/2023 23:23*	WG2061937

Volatile 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	05/17/2023 23:42	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 23:42	WG2061937
Benzene	0.0890		0.0160	0.0400	1	05/17/2023 23:42	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/17/2023 23:42	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 23:42	WG2061937
Bromoform	U		0.239	1.00	1	05/17/2023 23:42	WG2061937
Bromomethane	U		0.148	0.500	1	05/17/2023 23:42	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 23:42	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 23:42	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2023 23:42	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 23:42	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 23:42	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 23:42	WG2061937
Chloroethane	U		0.0432	0.200	1	05/17/2023 23:42	WG2061937
Chloroform	U		0.0166	0.100	1	05/17/2023 23:42	WG2061937
Chloromethane	U		0.0556	0.500	1	05/17/2023 23:42	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 23:42	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 23:42	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2023 23:42	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 23:42	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/17/2023 23:42	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 23:42	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 23:42	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 23:42	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 23:42	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 23:42	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 23:42	WG2061937
1,1-Dichloroethene	0.184		0.0200	0.100	1	05/17/2023 23:42	WG2061937
cis-1,2-Dichloroethene	23.1		0.0276	0.100	1	05/17/2023 23:42	WG2061937
trans-1,2-Dichloroethene	0.244		0.0572	0.200	1	05/17/2023 23:42	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 23:42	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 23:42	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 23:42	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 23:42	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 23:42	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 23:42	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 23:42	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/17/2023 23:42	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/17/2023 23:42	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 23:42	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 23:42	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 23:42	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/17/2023 23:42	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 23:42	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 23:42	WG2061937
Naphthalene	U	C3	0.124	0.500	1	05/17/2023 23:42	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 23:42	WG2061937
Styrene	U		0.109	0.500	1	05/17/2023 23:42	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 23:42	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 23:42	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 23:42	WG2061937
Tetrachloroethene	71.9		0.280	1.00	10	05/20/2023 01:03	WG2063363
Toluene	U		0.0500	0.200	1	05/17/2023 23:42	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/17/2023 23:42	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 23:42	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 23:42	WG2061937

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 23:42	WG2061937
Trichloroethene	46.0		0.0160	0.0400	1	05/17/2023 23:42	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 23:42	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 23:42	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 23:42	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 23:42	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 23:42	WG2061937
Vinyl chloride	0.184		0.0273	0.100	1	05/17/2023 23:42	WG2061937
Xylenes, Total	U		0.191	0.260	1	05/17/2023 23:42	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 23:42	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 23:42	WG2061937
Iodomethane	U		0.242	0.500	1	05/17/2023 23:42	WG2061937
Allyl chloride	U		0.580	1.00	1	05/17/2023 23:42	WG2061937
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/17/2023 23:42	WG2061937
(S) Toluene-d8	*107*			*75.0-131*		*05/17/2023 23:42*	WG2061937
(S) Toluene-d8	*107*			*75.0-131*		*05/20/2023 01:03*	WG2063363
(S) 4-Bromofluorobenzene	*73.1*			*67.0-138*		*05/17/2023 23:42*	WG2061937
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*05/20/2023 01:03*	WG2063363
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/17/2023 23:42*	WG2061937
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*05/20/2023 01:03*	WG2063363

Volatile 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	05/18/2023 00:01	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 00:01	WG2061937
Benzene	U		0.0160	0.0400	1	05/18/2023 00:01	WG2061937
Bromobenzene	U		0.0420	0.500	1	05/20/2023 00:44	WG2063363
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 00:01	WG2061937
Bromoform	U		0.239	1.00	1	05/18/2023 00:01	WG2061937
Bromomethane	U		0.148	0.500	1	05/18/2023 00:01	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/20/2023 00:44	WG2063363
sec-Butylbenzene	U		0.101	0.500	1	05/20/2023 00:44	WG2063363
tert-Butylbenzene	U		0.0620	0.200	1	05/20/2023 00:44	WG2063363
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 00:01	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 00:01	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 00:01	WG2061937
Chloroethane	U		0.0432	0.200	1	05/18/2023 00:01	WG2061937
Chloroform	U		0.0166	0.100	1	05/18/2023 00:01	WG2061937
Chloromethane	U		0.0556	0.500	1	05/18/2023 00:01	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/20/2023 00:44	WG2063363
4-Chlorotoluene	U		0.0452	0.200	1	05/20/2023 00:44	WG2063363
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/20/2023 00:44	WG2063363
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 00:01	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/18/2023 00:01	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/20/2023 00:44	WG2063363
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/20/2023 00:44	WG2063363
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/20/2023 00:44	WG2063363
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 00:01	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 00:01	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 00:01	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 00:01	WG2061937
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/18/2023 00:01	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 00:01	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 00:01	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 00:01	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 00:01	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 00:01	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 00:01	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 00:01	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 00:01	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 00:01	WG2061937
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/20/2023 00:44	WG2063363
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 00:01	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/20/2023 00:44	WG2063363
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 00:01	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/18/2023 00:01	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 00:01	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 00:01	WG2061937
Naphthalene	U		0.124	0.500	1	05/20/2023 00:44	WG2063363
n-Propylbenzene	U		0.0472	0.200	1	05/20/2023 00:44	WG2063363
Styrene	U		0.109	0.500	1	05/18/2023 00:01	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 00:01	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/20/2023 00:44	WG2063363
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 00:01	WG2061937
Tetrachloroethene	U		0.0280	0.100	1	05/20/2023 00:44	WG2063363
Toluene	U		0.0500	0.200	1	05/18/2023 00:01	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/20/2023 00:44	WG2063363
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/20/2023 00:44	WG2063363
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 00:01	WG2061937

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 00:01	WG2061937
Trichloroethene	0.0260	J	0.0160	0.0400	1	05/18/2023 00:01	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 00:01	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/20/2023 00:44	WG2063363
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/20/2023 00:44	WG2063363
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/20/2023 00:44	WG2063363
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/20/2023 00:44	WG2063363
Vinyl chloride	0.641		0.0273	0.100	1	05/18/2023 00:01	WG2061937
Xylenes, Total	0.200	J	0.191	0.260	1	05/20/2023 00:44	WG2063363
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 00:01	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/18/2023 00:01	WG2061937
Iodomethane	U		0.242	0.500	1	05/18/2023 00:01	WG2061937
Allyl chloride	U		0.580	1.00	1	05/18/2023 00:01	WG2061937
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/20/2023 00:44	WG2063363
(S) Toluene-d8	*106*			*75.0-131*		*05/18/2023 00:01*	WG2061937
(S) Toluene-d8	*106*			*75.0-131*		*05/20/2023 00:44*	WG2063363
(S) 4-Bromofluorobenzene	*84.7*			*67.0-138*		*05/18/2023 00:01*	WG2061937
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*05/20/2023 00:44*	WG2063363
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/18/2023 00:01*	WG2061937
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*05/20/2023 00:44*	WG2063363

Volatile 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	05/18/2023 00:21	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 00:21	WG2061937
Benzene	U		0.0160	0.0400	1	05/18/2023 00:21	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/18/2023 00:21	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 00:21	WG2061937
Bromoform	U		0.239	1.00	1	05/18/2023 00:21	WG2061937
Bromomethane	U		0.148	0.500	1	05/18/2023 00:21	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 00:21	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 00:21	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 00:21	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 00:21	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 00:21	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 00:21	WG2061937
Chloroethane	U		0.0432	0.200	1	05/18/2023 00:21	WG2061937
Chloroform	U		0.0166	0.100	1	05/18/2023 00:21	WG2061937
Chloromethane	U		0.0556	0.500	1	05/18/2023 00:21	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/18/2023 00:21	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/18/2023 00:21	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/18/2023 00:21	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 00:21	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/18/2023 00:21	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 00:21	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 00:21	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 00:21	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 00:21	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 00:21	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 00:21	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 00:21	WG2061937
cis-1,2-Dichloroethene	9.07		0.0276	0.100	1	05/18/2023 00:21	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 00:21	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 00:21	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 00:21	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 00:21	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 00:21	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 00:21	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 00:21	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 00:21	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 00:21	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/18/2023 00:21	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 00:21	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 00:21	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 00:21	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/18/2023 00:21	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 00:21	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 00:21	WG2061937
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 00:21	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/18/2023 00:21	WG2061937
Styrene	U		0.109	0.500	1	05/18/2023 00:21	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 00:21	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 00:21	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 00:21	WG2061937
Tetrachloroethene	21.1	C5	0.0280	0.100	1	05/18/2023 00:21	WG2061937
Toluene	U		0.0500	0.200	1	05/18/2023 00:21	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 00:21	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 00:21	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 00:21	WG2061937

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 00:21	WG2061937
Trichloroethene	4.58		0.0160	0.0400	1	05/18/2023 00:21	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 00:21	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 00:21	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/18/2023 00:21	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/18/2023 00:21	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/18/2023 00:21	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 00:21	WG2061937
Xylenes, Total	U		0.191	0.260	1	05/18/2023 00:21	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 00:21	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/18/2023 00:21	WG2061937
Iodomethane	U		0.242	0.500	1	05/18/2023 00:21	WG2061937
Allyl chloride	U		0.580	1.00	1	05/18/2023 00:21	WG2061937
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 00:21	WG2061937
(S) Toluene-d8	*108*			*75.0-131*		*05/18/2023 00:21*	WG2061937
(S) 4-Bromofluorobenzene	*81.6*			*67.0-138*		*05/18/2023 00:21*	WG2061937
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/18/2023 00:21*	WG2061937

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	05/18/2023 00:40	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 00:40	WG2061937
Benzene	U		0.0160	0.0400	1	05/18/2023 00:40	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/18/2023 00:40	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 00:40	WG2061937
Bromoform	U		0.239	1.00	1	05/18/2023 00:40	WG2061937
Bromomethane	U		0.148	0.500	1	05/18/2023 00:40	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 00:40	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 00:40	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 00:40	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 00:40	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 00:40	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 00:40	WG2061937
Chloroethane	U		0.0432	0.200	1	05/18/2023 00:40	WG2061937
Chloroform	U		0.0166	0.100	1	05/18/2023 00:40	WG2061937
Chloromethane	U		0.0556	0.500	1	05/18/2023 00:40	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/18/2023 00:40	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/18/2023 00:40	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/18/2023 00:40	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 00:40	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/18/2023 00:40	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 00:40	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 00:40	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 00:40	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 00:40	WG2061937
1,1-Dichloroethane	0.0260	J	0.0230	0.100	1	05/18/2023 00:40	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 00:40	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 00:40	WG2061937
cis-1,2-Dichloroethene	1.13		0.0276	0.100	1	05/18/2023 00:40	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 00:40	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 00:40	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 00:40	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 00:40	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 00:40	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 00:40	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 00:40	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 00:40	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 00:40	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/18/2023 00:40	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 00:40	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 00:40	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 00:40	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/18/2023 00:40	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 00:40	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 00:40	WG2061937
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 00:40	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/18/2023 00:40	WG2061937
Styrene	U		0.109	0.500	1	05/18/2023 00:40	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 00:40	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 00:40	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 00:40	WG2061937
Tetrachloroethene	0.111	C5	0.0280	0.100	1	05/18/2023 00:40	WG2061937
Toluene	U		0.0500	0.200	1	05/18/2023 00:40	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 00:40	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 00:40	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 00:40	WG2061937

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 00:40	WG2061937
Trichloroethene	U		0.0160	0.0400	1	05/18/2023 00:40	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 00:40	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 00:40	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/18/2023 00:40	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/18/2023 00:40	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/18/2023 00:40	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 00:40	WG2061937
Xylenes, Total	U		0.191	0.260	1	05/18/2023 00:40	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 00:40	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/18/2023 00:40	WG2061937
Iodomethane	U		0.242	0.500	1	05/18/2023 00:40	WG2061937
Allyl chloride	U		0.580	1.00	1	05/18/2023 00:40	WG2061937
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 00:40	WG2061937
(S) Toluene-d8	*102*			*75.0-131*		*05/18/2023 00:40*	WG2061937
(S) 4-Bromofluorobenzene	*77.6*			*67.0-138*		*05/18/2023 00:40*	WG2061937
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/18/2023 00:40*	WG2061937

Volatile 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	05/18/2023 00:59	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 00:59	WG2061937
Benzene	U		0.0160	0.0400	1	05/18/2023 00:59	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/18/2023 00:59	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 00:59	WG2061937
Bromoform	U		0.239	1.00	1	05/18/2023 00:59	WG2061937
Bromomethane	U		0.148	0.500	1	05/18/2023 00:59	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 00:59	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 00:59	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 00:59	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 00:59	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 00:59	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 00:59	WG2061937
Chloroethane	U		0.0432	0.200	1	05/18/2023 00:59	WG2061937
Chloroform	U		0.0166	0.100	1	05/18/2023 00:59	WG2061937
Chloromethane	U		0.0556	0.500	1	05/18/2023 00:59	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/18/2023 00:59	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/18/2023 00:59	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/18/2023 00:59	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 00:59	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/18/2023 00:59	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 00:59	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 00:59	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 00:59	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 00:59	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 00:59	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 00:59	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 00:59	WG2061937
cis-1,2-Dichloroethene	6.21		0.0276	0.100	1	05/18/2023 00:59	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 00:59	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 00:59	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 00:59	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 00:59	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 00:59	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 00:59	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 00:59	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 00:59	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 00:59	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/18/2023 00:59	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 00:59	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 00:59	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 00:59	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/18/2023 00:59	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 00:59	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 00:59	WG2061937
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 00:59	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/18/2023 00:59	WG2061937
Styrene	U		0.109	0.500	1	05/18/2023 00:59	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 00:59	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 00:59	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 00:59	WG2061937
Tetrachloroethene	0.175	C5	0.0280	0.100	1	05/18/2023 00:59	WG2061937
Toluene	U		0.0500	0.200	1	05/18/2023 00:59	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 00:59	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 00:59	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 00:59	WG2061937

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 00:59	WG2061937
Trichloroethene	1.39		0.0160	0.0400	1	05/18/2023 00:59	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 00:59	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 00:59	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/18/2023 00:59	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/18/2023 00:59	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/18/2023 00:59	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 00:59	WG2061937
Xylenes, Total	U		0.191	0.260	1	05/18/2023 00:59	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 00:59	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/18/2023 00:59	WG2061937
Iodomethane	U		0.242	0.500	1	05/18/2023 00:59	WG2061937
Allyl chloride	U		0.580	1.00	1	05/18/2023 00:59	WG2061937
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 00:59	WG2061937
(S) Toluene-d8	*108*			*75.0-131*		*05/18/2023 00:59*	WG2061937
(S) 4-Bromofluorobenzene	*77.8*			*67.0-138*		*05/18/2023 00:59*	WG2061937
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/18/2023 00:59*	WG2061937

Volatile 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	05/18/2023 01:19	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 01:19	WG2061937
Benzene	U		0.0160	0.0400	1	05/18/2023 01:19	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/18/2023 01:19	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 01:19	WG2061937
Bromoform	U		0.239	1.00	1	05/18/2023 01:19	WG2061937
Bromomethane	U		0.148	0.500	1	05/18/2023 01:19	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 01:19	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 01:19	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 01:19	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 01:19	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 01:19	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 01:19	WG2061937
Chloroethane	U		0.0432	0.200	1	05/18/2023 01:19	WG2061937
Chloroform	U		0.0166	0.100	1	05/18/2023 01:19	WG2061937
Chloromethane	U		0.0556	0.500	1	05/18/2023 01:19	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/18/2023 01:19	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/18/2023 01:19	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/18/2023 01:19	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 01:19	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/18/2023 01:19	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 01:19	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 01:19	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 01:19	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 01:19	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 01:19	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 01:19	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 01:19	WG2061937
cis-1,2-Dichloroethene	6.47		0.0276	0.100	1	05/18/2023 01:19	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 01:19	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 01:19	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 01:19	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 01:19	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 01:19	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 01:19	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 01:19	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 01:19	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 01:19	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/18/2023 01:19	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 01:19	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 01:19	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 01:19	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/18/2023 01:19	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 01:19	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 01:19	WG2061937
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 01:19	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/18/2023 01:19	WG2061937
Styrene	U		0.109	0.500	1	05/18/2023 01:19	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 01:19	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 01:19	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 01:19	WG2061937
Tetrachloroethene	0.0890	J	0.0280	0.100	1	05/18/2023 01:19	WG2061937
Toluene	U		0.0500	0.200	1	05/18/2023 01:19	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 01:19	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 01:19	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 01:19	WG2061937

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 01:19	WG2061937
Trichloroethene	1.35		0.0160	0.0400	1	05/18/2023 01:19	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 01:19	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 01:19	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/18/2023 01:19	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/18/2023 01:19	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/18/2023 01:19	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 01:19	WG2061937
Xylenes, Total	U		0.191	0.260	1	05/18/2023 01:19	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 01:19	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/18/2023 01:19	WG2061937
Iodomethane	U		0.242	0.500	1	05/18/2023 01:19	WG2061937
Allyl chloride	U		0.580	1.00	1	05/18/2023 01:19	WG2061937
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 01:19	WG2061937
(S) Toluene-d8	*106*			*75.0-131*		*05/18/2023 01:19*	WG2061937
(S) 4-Bromofluorobenzene	*76.4*			*67.0-138*		*05/18/2023 01:19*	WG2061937
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/18/2023 01:19*	WG2061937

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	05/18/2023 08:02	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 08:02	WG2061937
Benzene	U		0.0160	0.0400	1	05/18/2023 08:02	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/18/2023 08:02	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 08:02	WG2061937
Bromoform	U		0.239	1.00	1	05/18/2023 08:02	WG2061937
Bromomethane	U		0.148	0.500	1	05/18/2023 08:02	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 08:02	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 08:02	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 08:02	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 08:02	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 08:02	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 08:02	WG2061937
Chloroethane	U		0.0432	0.200	1	05/18/2023 08:02	WG2061937
Chloroform	U		0.0166	0.100	1	05/18/2023 08:02	WG2061937
Chloromethane	U		0.0556	0.500	1	05/18/2023 08:02	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/18/2023 08:02	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/18/2023 08:02	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/18/2023 08:02	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 08:02	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/18/2023 08:02	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 08:02	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 08:02	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 08:02	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 08:02	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 08:02	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 08:02	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 08:02	WG2061937
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/18/2023 08:02	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 08:02	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 08:02	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 08:02	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 08:02	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 08:02	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 08:02	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 08:02	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 08:02	WG2061937
Ethylbenzene	0.0920	J	0.0212	0.100	1	05/18/2023 08:02	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/18/2023 08:02	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 08:02	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 08:02	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 08:02	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/18/2023 08:02	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 08:02	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 08:02	WG2061937
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 08:02	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/18/2023 08:02	WG2061937
Styrene	U		0.109	0.500	1	05/18/2023 08:02	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 08:02	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 08:02	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 08:02	WG2061937
Tetrachloroethene	U		0.0280	0.100	1	05/18/2023 08:02	WG2061937
Toluene	0.519		0.0500	0.200	1	05/18/2023 08:02	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 08:02	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 08:02	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 08:02	WG2061937

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 08:02	WG2061937
Trichloroethene	U		0.0160	0.0400	1	05/18/2023 08:02	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 08:02	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 08:02	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/18/2023 08:02	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/18/2023 08:02	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/18/2023 08:02	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 08:02	WG2061937
Xylenes, Total	0.553		0.191	0.260	1	05/18/2023 08:02	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 08:02	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/18/2023 08:02	WG2061937
Iodomethane	U		0.242	0.500	1	05/18/2023 08:02	WG2061937
Allyl chloride	U		0.580	1.00	1	05/18/2023 08:02	WG2061937
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 08:02	WG2061937
(S) Toluene-d8	*96.1*			*75.0-131*		*05/18/2023 08:02*	WG2061937
(S) 4-Bromofluorobenzene	*85.0*			*67.0-138*		*05/18/2023 08:02*	WG2061937
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/18/2023 08:02*	WG2061937

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	05/19/2023 06:42	WG2062770

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)	20500		102	1000	1	05/16/2023 16:47	WG2059986

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	6700		28.1	100	1	05/17/2023 22:34	WG2060138
Manganese	3020		0.704	5.00	1	05/20/2023 10:19	WG2062564

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	14300		2.87	6.78	10	05/18/2023 17:12	WG2062632
Ethane	19.5		0.296	1.29	1	05/18/2023 16:04	WG2061512
Ethene	137		0.422	1.27	1	05/18/2023 16:04	WG2061512

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.97		0.548	1.00	1	05/18/2023 12:17	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 12:17	WG2062291
Benzene	0.0640		0.0160	0.0400	1	05/18/2023 12:17	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 12:17	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 12:17	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 12:17	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 12:17	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 12:17	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 12:17	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 12:17	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 12:17	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 12:17	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 12:17	WG2062291
Chloroethane	32.2		0.0432	0.200	1	05/18/2023 12:17	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 12:17	WG2062291
Chloromethane	6.33		0.0556	0.500	1	05/18/2023 12:17	WG2062291
2-Chlorotoluene	U	C3	0.0368	0.100	1	05/18/2023 12:17	WG2062291
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/18/2023 12:17	WG2062291
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/18/2023 12:17	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 12:17	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 12:17	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 12:17	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 12:17	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 12:17	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 12:17	WG2062291
1,1-Dichloroethane	0.0370	J	0.0230	0.100	1	05/18/2023 12:17	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 12:17	WG2062291
1,1-Dichloroethene	2.41		0.0200	0.100	1	05/18/2023 12:17	WG2062291
cis-1,2-Dichloroethene	672		1.38	5.00	50	05/22/2023 01:07	WG2063702
trans-1,2-Dichloroethene	2.65		0.0572	0.200	1	05/18/2023 12:17	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 12:17	WG2062291

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		0.0280	0.100	1	05/18/2023 12:17	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 12:17	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 12:17	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 12:17	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 12:17	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 12:17	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 12:17	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 12:17	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 12:17	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 12:17	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 12:17	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 12:17	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 12:17	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 12:17	WG2062291
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 12:17	WG2062291
n-Propylbenzene	U	C3	0.0472	0.200	1	05/18/2023 12:17	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 12:17	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 12:17	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 12:17	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 12:17	WG2062291
Tetrachloroethene	6.50		0.0280	0.100	1	05/18/2023 12:17	WG2062291
Toluene	0.229		0.0500	0.200	1	05/18/2023 12:17	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 12:17	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 12:17	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 12:17	WG2062291
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 12:17	WG2062291
Trichloroethene	3.28		0.0160	0.0400	1	05/18/2023 12:17	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 12:17	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 12:17	WG2062291
1,2,4-Trimethylbenzene	U	C3	0.0464	0.200	1	05/18/2023 12:17	WG2062291
1,2,3-Trimethylbenzene	U	C3	0.0460	0.200	1	05/18/2023 12:17	WG2062291
1,3,5-Trimethylbenzene	U	C3	0.0432	0.200	1	05/18/2023 12:17	WG2062291
Vinyl chloride	976		1.36	5.00	50	05/22/2023 01:07	WG2063702
Xylenes, Total	0.202	J	0.191	0.260	1	05/18/2023 12:17	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 12:17	WG2062291
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/18/2023 12:17	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 12:17	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 12:17	WG2062291
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 12:17	WG2062291
(S) Toluene-d8	*107*			*75.0-131*		*05/18/2023 12:17*	WG2062291
(S) Toluene-d8	*103*			*75.0-131*		*05/22/2023 01:07*	WG2063702
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*05/18/2023 12:17*	WG2062291
(S) 4-Bromofluorobenzene	*80.7*			*67.0-138*		*05/22/2023 01:07*	WG2063702
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*		*05/18/2023 12:17*	WG2062291
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*05/22/2023 01:07*	WG2063702

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	1240	J	594	5000	1	05/19/2023 06:55	WG2062770

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	81300		102	1000	1	05/16/2023 18:36	WG2059986

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	2380		28.1	100	1	05/17/2023 22:37	WG2060138
Manganese	905		0.704	5.00	1	05/20/2023 09:43	WG2062564

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	23100		2.87	6.78	10	05/18/2023 17:17	WG2062632
Ethane	488		0.296	1.29	1	05/18/2023 16:09	WG2061512
Ethene	958		0.422	1.27	1	05/18/2023 16:09	WG2061512

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	3.21		0.548	1.00	1	05/18/2023 12:36	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 12:36	WG2062291
Benzene	0.155		0.0160	0.0400	1	05/18/2023 12:36	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 12:36	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 12:36	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 12:36	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 12:36	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 12:36	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 12:36	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 12:36	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 12:36	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 12:36	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 12:36	WG2062291
Chloroethane	10.6		0.0432	0.200	1	05/18/2023 12:36	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 12:36	WG2062291
Chloromethane	14.7		0.0556	0.500	1	05/18/2023 12:36	WG2062291
2-Chlorotoluene	U	C3	0.0368	0.100	1	05/18/2023 12:36	WG2062291
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/18/2023 12:36	WG2062291
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/18/2023 12:36	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 12:36	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 12:36	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 12:36	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 12:36	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 12:36	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 12:36	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 12:36	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 12:36	WG2062291
1,1-Dichloroethene	5.98		0.0200	0.100	1	05/18/2023 12:36	WG2062291
cis-1,2-Dichloroethene	3870		5.52	20.0	200	05/22/2023 01:26	WG2063702
trans-1,2-Dichloroethene	20.9		0.0572	0.200	1	05/18/2023 12:36	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 12:36	WG2062291

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		0.0280	0.100	1	05/18/2023 12:36	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 12:36	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 12:36	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 12:36	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 12:36	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 12:36	WG2062291
Ethylbenzene	0.0620	J	0.0212	0.100	1	05/18/2023 12:36	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 12:36	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 12:36	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 12:36	WG2062291
2-Butanone (MEK)	11.9		0.500	1.00	1	05/18/2023 12:36	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 12:36	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 12:36	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 12:36	WG2062291
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 12:36	WG2062291
n-Propylbenzene	0.0480	C3 J	0.0472	0.200	1	05/18/2023 12:36	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 12:36	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 12:36	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 12:36	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 12:36	WG2062291
Tetrachloroethene	6630		5.60	20.0	200	05/22/2023 01:26	WG2063702
Toluene	0.282		0.0500	0.200	1	05/18/2023 12:36	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 12:36	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 12:36	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 12:36	WG2062291
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 12:36	WG2062291
Trichloroethene	402		3.20	8.00	200	05/22/2023 01:26	WG2063702
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 12:36	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 12:36	WG2062291
1,2,4-Trimethylbenzene	0.407	C3	0.0464	0.200	1	05/18/2023 12:36	WG2062291
1,2,3-Trimethylbenzene	0.127	C3 J	0.0460	0.200	1	05/18/2023 12:36	WG2062291
1,3,5-Trimethylbenzene	0.147	C3 J	0.0432	0.200	1	05/18/2023 12:36	WG2062291
Vinyl chloride	2620		5.46	20.0	200	05/22/2023 01:26	WG2063702
Xylenes, Total	0.272		0.191	0.260	1	05/18/2023 12:36	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 12:36	WG2062291
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/18/2023 12:36	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 12:36	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 12:36	WG2062291
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 12:36	WG2062291
(S) Toluene-d8	*109*			*75.0-131*		*05/18/2023 12:36*	WG2062291
(S) Toluene-d8	*99.1*			*75.0-131*		*05/22/2023 01:26*	WG2063702
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/18/2023 12:36*	WG2062291
(S) 4-Bromofluorobenzene	*73.3*			*67.0-138*		*05/22/2023 01:26*	WG2063702
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*05/18/2023 12:36*	WG2062291
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*05/22/2023 01:26*	WG2063702

Volatile 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	05/17/2023 21:34	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 21:34	WG2061937
Benzene	U		0.0160	0.0400	1	05/17/2023 21:34	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/17/2023 21:34	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 21:34	WG2061937
Bromoform	U		0.239	1.00	1	05/17/2023 21:34	WG2061937
Bromomethane	U		0.148	0.500	1	05/17/2023 21:34	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 21:34	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 21:34	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2023 21:34	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 21:34	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 21:34	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 21:34	WG2061937
Chloroethane	U		0.0432	0.200	1	05/17/2023 21:34	WG2061937
Chloroform	U		0.0166	0.100	1	05/17/2023 21:34	WG2061937
Chloromethane	U		0.0556	0.500	1	05/17/2023 21:34	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 21:34	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 21:34	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2023 21:34	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 21:34	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/17/2023 21:34	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 21:34	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 21:34	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 21:34	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 21:34	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 21:34	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 21:34	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 21:34	WG2061937
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/17/2023 21:34	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 21:34	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 21:34	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 21:34	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 21:34	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 21:34	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 21:34	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 21:34	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 21:34	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/17/2023 21:34	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/17/2023 21:34	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 21:34	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 21:34	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 21:34	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/17/2023 21:34	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 21:34	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 21:34	WG2061937
Naphthalene	U	C3	0.124	0.500	1	05/17/2023 21:34	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 21:34	WG2061937
Styrene	U		0.109	0.500	1	05/17/2023 21:34	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 21:34	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 21:34	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 21:34	WG2061937
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 21:34	WG2061937
Toluene	0.0540	J	0.0500	0.200	1	05/17/2023 21:34	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/17/2023 21:34	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 21:34	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 21:34	WG2061937

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 21:34	WG2061937
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 21:34	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 21:34	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 21:34	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 21:34	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 21:34	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 21:34	WG2061937
Vinyl chloride	0.0570	J	0.0273	0.100	1	05/17/2023 21:34	WG2061937
Xylenes, Total	U		0.191	0.260	1	05/17/2023 21:34	WG2061937
Ethyl Ether	0.0670	J	0.0170	0.100	1	05/17/2023 21:34	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 21:34	WG2061937
Iodomethane	U		0.242	0.500	1	05/17/2023 21:34	WG2061937
Allyl chloride	U		0.580	1.00	1	05/17/2023 21:34	WG2061937
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/17/2023 21:34	WG2061937
(S) Toluene-d8	*105*			*75.0-131*		*05/17/2023 21:34*	WG2061937
(S) 4-Bromofluorobenzene	*86.6*			*67.0-138*		*05/17/2023 21:34*	WG2061937
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*05/17/2023 21:34*	WG2061937

Method Blank (MB)

(MB) R3928987-1 05/18/23 22:57

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

L1615122-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1615122-02 05/19/23 03:17 • (DUP) R3928987-3 05/19/23 03:30

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	12100	12000	1	0.611		15

L1615451-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1615451-20 05/19/23 06:55 • (DUP) R3928987-6 05/19/23 07:08

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	1240	1240	1	0.0886	J	15

Laboratory Control Sample (LCS)

(LCS) R3928987-2 05/18/23 23:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	37800	94.6	80.0-120	

L1615122-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1615122-02 05/19/23 03:17 • (MS) R3928987-4 05/19/23 03:43 • (MSD) R3928987-5 05/19/23 03:56

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	12100	59400	60200	94.6	96.3	1	80.0-120			1.43	15

L1615451-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1615451-20 05/19/23 06:55 • (MS) R3928987-7 05/19/23 07:21

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	50000	1240	48200	94.0	1	80.0-120	

Method Blank (MB)

(MB) R3925632-2 05/16/23 07:20

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	260	J	102	1000

L1615451-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1615451-20 05/16/23 18:36 • (DUP) R3925632-5 05/16/23 19:02

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	81300	81400	1	0.123		20

L1615479-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1615479-03 05/16/23 20:16 • (DUP) R3925632-8 05/16/23 20:30

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	820	763	1	7.19	J	20

Laboratory Control Sample (LCS)

(LCS) R3925632-1 05/16/23 07:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	73500	97.9	85.0-115	

L1615451-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1615451-19 05/16/23 16:47 • (MS) R3925632-3 05/16/23 17:09 • (MSD) R3925632-4 05/16/23 18:15

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 %
TOC (Total Organic Carbon)	50000	20500	69600	70100	98.2	99.3	1	80.0-120			0.802	20

L1615479-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1615479-02 05/16/23 19:17 • (MS) R3925632-6 05/16/23 19:40 • (MSD) R3925632-7 05/16/23 20:02

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 %
TOC (Total Organic Carbon)	50000	829	49500	49000	97.3	96.4	1	80.0-120			0.995	20

Method Blank (MB)

(MB) R3926155-1 05/17/23 21:12

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

Laboratory Control Sample (LCS)

(LCS) R3926155-2 05/17/23 21:15

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	1000	1080	108	80.0-120	

L1615280-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1615280-05 05/17/23 21:19 • (MS) R3926155-4 05/17/23 21:26 • (MSD) R3926155-5 05/17/23 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
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	1000	904	2160	2010	126	111	1	75.0-125	J5		7.07	20

Method Blank (MB)

(MB) R3927292-1 05/20/23 09:36

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

Laboratory Control Sample (LCS)

(LCS) R3927292-2 05/20/23 09:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Manganese	50.0	49.6	99.2	80.0-120	

L1615451-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1615451-20 05/20/23 09:43 • (MS) R3927292-4 05/20/23 09:50 • (MSD) R3927292-5 05/20/23 09:53

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	%	%		%			%	%
Manganese	50.0	905	1030	1020	254	234	1	75.0-125	V	V	0.975	20

Method Blank (MB)

(MB) R3926570-2 05/18/23 15:09

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

L1615432-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1615432-05 05/18/23 15:54 • (DUP) R3926570-3 05/18/23 15:59

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Ethane	12.7	12.8	1	0.784		20
Ethene	23.9	24.4	1	2.07		20

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

(LCS) R3926570-1 05/18/23 15:06 • (LCSD) R3926570-4 05/18/23 16:15

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	111	112	86.0	86.8	85.0-115			0.897	20
Ethene	127	112	112	88.2	88.2	85.0-115			0.000	20

Method Blank (MB)

(MB) R3926635-2 05/18/23 16:49

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

L1615432-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1615432-01 05/18/23 16:52 • (DUP) R3926635-3 05/18/23 17:23

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	20200	21900	10	8.08		20

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

(LCS) R3926635-1 05/18/23 16:44 • (LCSD) R3926635-4 05/18/23 17:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	64.0	62.5	94.4	92.2	85.0-115			2.37	20

Method Blank (MB)

(MB) R3926910-3 05/17/23 11:20

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

Method Blank (MB)

(MB) R3926910-3 05/17/23 11:20

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	*97.6*			*70.0-130*

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

(LCS) R3926910-1 05/17/23 09:19 • (LCSD) R3926910-2 05/17/23 09:38

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	24.8	22.3	99.2	89.2	10.0-160			10.6	31
Acrylonitrile	25.0	22.3	23.3	89.2	93.2	45.0-153			4.39	22
Benzene	5.00	4.54	4.21	90.8	84.2	70.0-123			7.54	20
Bromobenzene	5.00	4.79	4.55	95.8	91.0	73.0-121			5.14	20
Bromodichloromethane	5.00	4.23	4.09	84.6	81.8	73.0-121			3.37	20
Bromoform	5.00	3.69	3.83	73.8	76.6	64.0-132			3.72	20
Bromomethane	5.00	4.13	4.20	82.6	84.0	56.0-147			1.68	20
n-Butylbenzene	5.00	4.57	4.29	91.4	85.8	68.0-135			6.32	20
sec-Butylbenzene	5.00	4.77	4.60	95.4	92.0	74.0-130			3.63	20
tert-Butylbenzene	5.00	5.65	4.49	113	89.8	75.0-127		J3	22.9	20
Carbon tetrachloride	5.00	4.49	4.27	89.8	85.4	66.0-128			5.02	20
Chlorobenzene	5.00	4.77	4.55	95.4	91.0	76.0-128			4.72	20
Chlorodibromomethane	5.00	4.51	4.24	90.2	84.8	74.0-127			6.17	20
Chloroethane	5.00	4.28	4.14	85.6	82.8	61.0-134			3.33	20
Chloroform	5.00	4.41	4.15	88.2	83.0	72.0-123			6.07	20
Chloromethane	5.00	4.58	4.21	91.6	84.2	51.0-138			8.42	20
2-Chlorotoluene	5.00	4.65	4.83	93.0	96.6	75.0-124			3.80	20
4-Chlorotoluene	5.00	4.89	4.59	97.8	91.8	75.0-124			6.33	20
1,2-Dibromo-3-Chloropropane	5.00	3.97	3.77	79.4	75.4	59.0-130			5.17	20
1,2-Dibromoethane	5.00	4.48	4.48	89.6	89.6	74.0-128			0.000	20
Dibromomethane	5.00	4.48	4.25	89.6	85.0	75.0-122			5.27	20
1,2-Dichlorobenzene	5.00	4.37	4.37	87.4	87.4	76.0-124			0.000	20
1,3-Dichlorobenzene	5.00	4.72	4.53	94.4	90.6	76.0-125			4.11	20
1,4-Dichlorobenzene	5.00	4.38	4.34	87.6	86.8	77.0-121			0.917	20
Dichlorodifluoromethane	5.00	4.26	3.99	85.2	79.8	43.0-156			6.55	20
1,1-Dichloroethane	5.00	4.21	4.07	84.2	81.4	70.0-127			3.38	20
1,2-Dichloroethane	5.00	4.11	3.93	82.2	78.6	65.0-131			4.48	20
1,1-Dichloroethene	5.00	4.20	3.88	84.0	77.6	65.0-131			7.92	20
cis-1,2-Dichloroethene	5.00	4.46	4.33	89.2	86.6	73.0-125			2.96	20
trans-1,2-Dichloroethene	5.00	4.73	4.19	94.6	83.8	71.0-125			12.1	20
1,2-Dichloropropane	5.00	4.71	4.43	94.2	88.6	74.0-125			6.13	20
1,1-Dichloropropene	5.00	4.47	4.15	89.4	83.0	73.0-125			7.42	20
1,3-Dichloropropane	5.00	4.71	4.52	94.2	90.4	80.0-125			4.12	20
cis-1,3-Dichloropropene	5.00	4.62	4.34	92.4	86.8	76.0-127			6.25	20
trans-1,3-Dichloropropene	5.00	4.31	4.22	86.2	84.4	73.0-127			2.11	20
2,2-Dichloropropane	5.00	4.76	4.38	95.2	87.6	59.0-135			8.32	20
Di-isopropyl ether	5.00	4.56	4.34	91.2	86.8	60.0-136			4.94	20
Ethylbenzene	5.00	4.66	4.61	93.2	92.2	74.0-126			1.08	20
Hexachloro-1,3-butadiene	5.00	4.42	4.42	88.4	88.4	57.0-150			0.000	20
Isopropylbenzene	5.00	4.55	4.45	91.0	89.0	72.0-127			2.22	20

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

(LCS) R3926910-1 05/17/23 09:19 • (LCSD) R3926910-2 05/17/23 09:38

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	4.52	4.32	90.4	86.4	72.0-133			4.52	20
2-Butanone (MEK)	25.0	23.9	22.2	95.6	88.8	30.0-160			7.38	24
Methylene Chloride	5.00	4.34	4.32	86.8	86.4	68.0-123			0.462	20
4-Methyl-2-pentanone (MIBK)	25.0	24.2	23.1	96.8	92.4	56.0-143			4.65	20
Methyl tert-butyl ether	5.00	4.73	4.50	94.6	90.0	66.0-132			4.98	20
Naphthalene	5.00	4.04	4.04	80.8	80.8	59.0-130			0.000	20
n-Propylbenzene	5.00	4.94	4.55	98.8	91.0	74.0-126			8.22	20
Styrene	5.00	4.58	4.48	91.6	89.6	72.0-127			2.21	20
1,1,1,2-Tetrachloroethane	5.00	4.16	4.10	83.2	82.0	74.0-129			1.45	20
1,1,2,2-Tetrachloroethane	5.00	4.29	4.02	85.8	80.4	68.0-128			6.50	20
1,1,2-Trichlorotrifluoroethane	5.00	4.52	4.26	90.4	85.2	61.0-139			5.92	20
Tetrachloroethene	5.00	4.62	4.47	92.4	89.4	70.0-136			3.30	20
Toluene	5.00	4.70	4.48	94.0	89.6	75.0-121			4.79	20
1,2,3-Trichlorobenzene	5.00	3.88	3.66	77.6	73.2	59.0-139			5.84	20
1,2,4-Trichlorobenzene	5.00	4.06	3.83	81.2	76.6	62.0-137			5.83	20
1,1,1-Trichloroethane	5.00	4.28	4.16	85.6	83.2	69.0-126			2.84	20
1,1,2-Trichloroethane	5.00	4.58	4.31	91.6	86.2	78.0-123			6.07	20
Trichloroethene	5.00	4.76	4.27	95.2	85.4	76.0-126			10.9	20
Trichlorofluoromethane	5.00	4.12	3.97	82.4	79.4	61.0-142			3.71	20
1,2,3-Trichloropropane	5.00	4.76	4.57	95.2	91.4	67.0-129			4.07	20
1,2,4-Trimethylbenzene	5.00	4.49	4.22	89.8	84.4	70.0-126			6.20	20
1,2,3-Trimethylbenzene	5.00	4.34	4.36	86.8	87.2	74.0-124			0.460	20
1,3,5-Trimethylbenzene	5.00	4.62	4.32	92.4	86.4	73.0-127			6.71	20
Vinyl chloride	5.00	4.73	4.24	94.6	84.8	63.0-134			10.9	20
Xylenes, Total	15.0	14.2	13.4	94.7	89.3	72.0-127			5.80	20
Ethyl Ether	5.00	4.34	4.42	86.8	88.4	64.0-137			1.83	20
Tetrahydrofuran	5.00	4.71	4.36	94.2	87.2	37.0-146			7.72	24
Iodomethane	25.0	21.1	20.3	84.4	81.2	74.0-134			3.86	20
Allyl chloride	25.0	22.9	21.6	91.6	86.4	70.0-131			5.84	20
Trans-1,4-Dichloro-2-butene	5.00	5.01	4.93	100	98.6	45.0-143			1.61	20
(S) Toluene-d8				*109*	*107*	*75.0-131*				
(S) 4-Bromofluorobenzene				*99.7*	*102*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*98.6*	*97.8*	*70.0-130*				

L1616869-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616869-04 05/17/23 17:05 • (MS) R3926910-4 05/17/23 21:24 • (MSD) R3926910-5 05/17/23 21:43

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	29.3	32.8	117	131	1	10.0-160			11.3	40
Acrylonitrile	25.0	U	26.1	26.5	104	106	1	10.0-160			1.52	40
Benzene	5.00	U	5.01	4.54	100	90.8	1	10.0-149			9.84	37
Bromobenzene	5.00	U	5.12	5.03	102	101	1	10.0-156			1.77	38
Bromodichloromethane	5.00	U	4.76	4.43	95.2	88.6	1	10.0-143			7.18	37
Bromoform	5.00	U	4.35	4.34	87.0	86.8	1	10.0-146			0.230	36
Bromomethane	5.00	U	4.33	3.92	86.6	78.4	1	10.0-149			9.94	38
n-Butylbenzene	5.00	U	4.27	4.05	85.4	81.0	1	10.0-160			5.29	40
sec-Butylbenzene	5.00	U	5.02	4.97	100	99.4	1	10.0-159			1.00	39
tert-Butylbenzene	5.00	U	5.06	5.03	101	101	1	10.0-156			0.595	39
Carbon tetrachloride	5.00	U	5.12	4.70	102	94.0	1	10.0-145			8.55	37
Chlorobenzene	5.00	U	5.23	4.86	105	97.2	1	10.0-152			7.33	39
Chlorodibromomethane	5.00	U	4.98	4.72	99.6	94.4	1	10.0-146			5.36	37
Chloroethane	5.00	U	4.34	4.03	86.8	80.6	1	10.0-146			7.41	40
Chloroform	5.00	U	4.74	4.56	94.8	91.2	1	10.0-146			3.87	37
Chloromethane	5.00	U	4.35	3.84	87.0	76.8	1	10.0-159			12.5	37
2-Chlorotoluene	5.00	U	5.18	4.34	104	86.8	1	10.0-159			17.6	38
4-Chlorotoluene	5.00	U	5.16	4.99	103	99.8	1	10.0-155			3.35	39
1,2-Dibromo-3-Chloropropane	5.00	U	4.99	5.15	99.8	103	1	10.0-151			3.16	39
1,2-Dibromoethane	5.00	U	5.01	4.68	100	93.6	1	10.0-148			6.81	34
Dibromomethane	5.00	U	4.87	4.84	97.4	96.8	1	10.0-147			0.618	35
1,2-Dichlorobenzene	5.00	U	5.16	5.10	103	102	1	10.0-155			1.17	37
1,3-Dichlorobenzene	5.00	U	5.20	5.03	104	101	1	10.0-153			3.32	38
1,4-Dichlorobenzene	5.00	U	4.85	4.68	97.0	93.6	1	10.0-151			3.57	38
Dichlorodifluoromethane	5.00	U	3.77	3.72	75.4	74.4	1	10.0-160			1.34	35
1,1-Dichloroethane	5.00	0.0310	4.77	4.51	94.8	89.6	1	10.0-147			5.60	37
1,2-Dichloroethane	5.00	U	4.41	4.45	88.2	89.0	1	10.0-148			0.903	35
1,1-Dichloroethene	5.00	U	4.67	4.36	93.4	87.2	1	10.0-155			6.87	37
cis-1,2-Dichloroethene	5.00	U	4.89	4.62	97.8	92.4	1	10.0-149			5.68	37
trans-1,2-Dichloroethene	5.00	U	4.77	4.71	95.4	94.2	1	10.0-150			1.27	37
1,2-Dichloropropane	5.00	U	5.04	4.75	101	95.0	1	10.0-148			5.92	37
1,1-Dichloropropene	5.00	U	4.95	4.54	99.0	90.8	1	10.0-153			8.64	35
1,3-Dichloropropane	5.00	U	5.24	4.87	105	97.4	1	10.0-154			7.32	35
cis-1,3-Dichloropropene	5.00	U	4.95	4.64	99.0	92.8	1	10.0-151			6.47	37
trans-1,3-Dichloropropene	5.00	U	4.84	4.56	96.8	91.2	1	10.0-148			5.96	37
2,2-Dichloropropane	5.00	U	4.99	4.51	99.8	90.2	1	10.0-138			10.1	36
Di-isopropyl ether	5.00	U	5.03	4.73	101	94.6	1	10.0-147			6.15	36
Ethylbenzene	5.00	U	5.39	5.01	108	100	1	10.0-160			7.31	38
Hexachloro-1,3-butadiene	5.00	U	5.16	5.38	103	108	1	10.0-160			4.17	40
Isopropylbenzene	5.00	U	4.90	4.82	98.0	96.4	1	10.0-155			1.65	38

L1616869-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616869-04 05/17/23 17:05 • (MS) R3926910-4 05/17/23 21:24 • (MSD) R3926910-5 05/17/23 21:43

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	0.494	6.08	5.91	112	108	1	10.0-160			2.84	40
2-Butanone (MEK)	25.0	U	27.2	28.4	109	114	1	10.0-160			4.32	40
Methylene Chloride	5.00	U	4.69	4.43	93.8	88.6	1	10.0-141			5.70	37
4-Methyl-2-pentanone (MIBK)	25.0	U	28.1	27.3	112	109	1	10.0-160			2.89	35
Methyl tert-butyl ether	5.00	U	5.09	5.15	102	103	1	11.0-147			1.17	35
Naphthalene	5.00	0.468	7.09	7.72	132	145	1	10.0-160			8.51	36
n-Propylbenzene	5.00	U	5.32	5.04	106	101	1	10.0-158			5.41	38
Styrene	5.00	U	5.05	4.91	101	98.2	1	10.0-160			2.81	40
1,1,1,2-Tetrachloroethane	5.00	U	4.59	4.29	91.8	85.8	1	10.0-149			6.76	39
1,1,2,2-Tetrachloroethane	5.00	U	4.69	4.81	93.8	96.2	1	10.0-160			2.53	35
1,1,2-Trichlorotrifluoroethane	5.00	U	5.29	4.88	106	97.6	1	10.0-160			8.06	36
Tetrachloroethene	5.00	U	5.23	4.58	105	91.6	1	10.0-156			13.3	39
Toluene	5.00	U	5.12	4.58	102	91.6	1	10.0-156			11.1	38
1,2,3-Trichlorobenzene	5.00	U	6.33	6.58	127	132	1	10.0-160			3.87	40
1,2,4-Trichlorobenzene	5.00	U	6.07	5.90	121	118	1	10.0-160			2.84	40
1,1,1-Trichloroethane	5.00	0.0630	4.77	4.60	94.1	90.7	1	10.0-144			3.63	35
1,1,2-Trichloroethane	5.00	0.209	5.45	4.90	105	93.8	1	10.0-160			10.6	35
Trichloroethene	5.00	U	5.23	4.92	105	98.4	1	10.0-156			6.11	38
Trichlorofluoromethane	5.00	U	4.63	4.35	92.6	87.0	1	10.0-160			6.24	40
1,2,3-Trichloropropane	5.00	U	5.05	4.90	101	98.0	1	10.0-156			3.02	35
1,2,4-Trimethylbenzene	5.00	U	5.01	4.78	100	95.6	1	10.0-160			4.70	36
1,2,3-Trimethylbenzene	5.00	U	4.83	4.79	96.6	95.8	1	10.0-160			0.832	36
1,3,5-Trimethylbenzene	5.00	0.141	5.01	4.82	97.4	93.6	1	10.0-160			3.87	38
Vinyl chloride	5.00	U	4.34	4.45	86.8	89.0	1	10.0-160			2.50	37
Xylenes, Total	15.0	U	14.5	14.8	96.7	98.7	1	10.0-160			2.05	38
Ethyl Ether	5.00	U	4.84	4.66	96.8	93.2	1	10.0-160			3.79	31
Tetrahydrofuran	5.00	U	5.44	5.88	109	118	1	10.0-158			7.77	33
Iodomethane	25.0	U	22.5	21.6	90.0	86.4	1	10.0-160			4.08	38
Allyl chloride	25.0	U	24.9	23.0	99.6	92.0	1	10.0-160			7.93	30
Trans-1,4-Dichloro-2-butene	5.00	0.0900	5.51	5.74	108	113	1	10.0-152			4.09	36
(S) Toluene-d8					*107*	*104*		*75.0-131*				
(S) 4-Bromofluorobenzene					*100*	*98.5*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*94.1*	*99.4*		*70.0-130*				

Method Blank (MB)

(MB) R3927059-2 05/17/23 20:43

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

Method Blank (MB)

(MB) R3927059-2 05/17/23 20:43

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	*82.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3927059-1 05/17/23 19:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	20.8	83.2	10.0-160	
Acrylonitrile	25.0	28.4	114	45.0-153	
Benzene	5.00	4.75	95.0	70.0-123	
Bromobenzene	5.00	6.17	123	73.0-121	J4
Bromodichloromethane	5.00	5.12	102	73.0-121	
Bromoform	5.00	5.76	115	64.0-132	
Bromomethane	5.00	5.44	109	56.0-147	
n-Butylbenzene	5.00	4.57	91.4	68.0-135	
sec-Butylbenzene	5.00	5.12	102	74.0-130	
tert-Butylbenzene	5.00	5.14	103	75.0-127	
Carbon tetrachloride	5.00	5.99	120	66.0-128	
Chlorobenzene	5.00	5.47	109	76.0-128	
Chlorodibromomethane	5.00	5.60	112	74.0-127	
Chloroethane	5.00	5.43	109	61.0-134	
Chloroform	5.00	5.36	107	72.0-123	
Chloromethane	5.00	6.81	136	51.0-138	
2-Chlorotoluene	5.00	6.02	120	75.0-124	
4-Chlorotoluene	5.00	5.10	102	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	5.45	109	59.0-130	
1,2-Dibromoethane	5.00	5.60	112	74.0-128	
Dibromomethane	5.00	5.19	104	75.0-122	
1,2-Dichlorobenzene	5.00	5.87	117	76.0-124	
1,3-Dichlorobenzene	5.00	6.05	121	76.0-125	
1,4-Dichlorobenzene	5.00	5.86	117	77.0-121	
Dichlorodifluoromethane	5.00	4.31	86.2	43.0-156	
1,1-Dichloroethane	5.00	5.29	106	70.0-127	
1,2-Dichloroethane	5.00	5.73	115	65.0-131	
1,1-Dichloroethene	5.00	5.35	107	65.0-131	
cis-1,2-Dichloroethene	5.00	4.46	89.2	73.0-125	
trans-1,2-Dichloroethene	5.00	4.88	97.6	71.0-125	
1,2-Dichloropropane	5.00	5.24	105	74.0-125	
1,1-Dichloropropene	5.00	5.04	101	73.0-125	
1,3-Dichloropropane	5.00	5.32	106	80.0-125	
cis-1,3-Dichloropropene	5.00	5.14	103	76.0-127	
trans-1,3-Dichloropropene	5.00	5.21	104	73.0-127	
2,2-Dichloropropane	5.00	5.25	105	59.0-135	
Di-isopropyl ether	5.00	5.48	110	60.0-136	
Ethylbenzene	5.00	5.24	105	74.0-126	
Hexachloro-1,3-butadiene	5.00	8.31	166	57.0-150	J4
Isopropylbenzene	5.00	5.08	102	72.0-127	

Laboratory Control Sample (LCS)

(LCS) R3927059-1 05/17/23 19:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
p-Isopropyltoluene	5.00	5.27	105	72.0-133	
2-Butanone (MEK)	25.0	24.9	99.6	30.0-160	
Methylene Chloride	5.00	5.03	101	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	30.6	122	56.0-143	
Methyl tert-butyl ether	5.00	4.87	97.4	66.0-132	
Naphthalene	5.00	3.73	74.6	59.0-130	
n-Propylbenzene	5.00	4.79	95.8	74.0-126	
Styrene	5.00	4.53	90.6	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	6.16	123	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	4.84	96.8	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	5.01	100	61.0-139	
Tetrachloroethene	5.00	6.61	132	70.0-136	
Toluene	5.00	5.14	103	75.0-121	
1,2,3-Trichlorobenzene	5.00	5.83	117	59.0-139	
1,2,4-Trichlorobenzene	5.00	5.88	118	62.0-137	
1,1,1-Trichloroethane	5.00	5.57	111	69.0-126	
1,1,2-Trichloroethane	5.00	4.89	97.8	78.0-123	
Trichloroethene	5.00	5.77	115	76.0-126	
Trichlorofluoromethane	5.00	4.27	85.4	61.0-142	
1,2,3-Trichloropropane	5.00	5.88	118	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.96	99.2	70.0-126	
1,2,3-Trimethylbenzene	5.00	5.12	102	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.87	97.4	73.0-127	
Vinyl chloride	5.00	5.64	113	63.0-134	
Xylenes, Total	15.0	15.0	100	72.0-127	
Ethyl Ether	5.00	5.30	106	64.0-137	
Tetrahydrofuran	5.00	5.84	117	37.0-146	
Iodomethane	25.0	29.0	116	74.0-134	
Allyl chloride	25.0	23.7	94.8	70.0-131	
Trans-1,4-Dichloro-2-butene	5.00	3.92	78.4	45.0-143	
(S) Toluene-d8			*99.3*	*75.0-131*	
(S) 4-Bromofluorobenzene			*85.4*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*116*	*70.0-130*	

Method Blank (MB)

(MB) R3927309-2 05/18/23 10:47

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

Method Blank (MB)

(MB) R3927309-2 05/18/23 10:47

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	0.748		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	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3927309-1 05/18/23 09:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	20.0	80.0	10.0-160	
Acrylonitrile	25.0	25.9	104	45.0-153	

Laboratory Control Sample (LCS)

(LCS) R3927309-1 05/18/23 09:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.49	89.8	70.0-123	
Bromobenzene	5.00	4.28	85.6	73.0-121	
Bromodichloromethane	5.00	4.33	86.6	73.0-121	
Bromoform	5.00	4.06	81.2	64.0-132	
Bromomethane	5.00	4.68	93.6	56.0-147	
n-Butylbenzene	5.00	4.15	83.0	68.0-135	
sec-Butylbenzene	5.00	4.22	84.4	74.0-130	
tert-Butylbenzene	5.00	4.17	83.4	75.0-127	
Carbon tetrachloride	5.00	4.65	93.0	66.0-128	
Chlorobenzene	5.00	4.61	92.2	76.0-128	
Chlorodibromomethane	5.00	4.21	84.2	74.0-127	
Chloroethane	5.00	4.76	95.2	61.0-134	
Chloroform	5.00	4.69	93.8	72.0-123	
Chloromethane	5.00	4.62	92.4	51.0-138	
2-Chlorotoluene	5.00	3.93	78.6	75.0-124	
4-Chlorotoluene	5.00	3.79	75.8	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	3.59	71.8	59.0-130	
1,2-Dibromoethane	5.00	4.62	92.4	74.0-128	
Dibromomethane	5.00	4.98	99.6	75.0-122	
1,2-Dichlorobenzene	5.00	4.28	85.6	76.0-124	
1,3-Dichlorobenzene	5.00	4.12	82.4	76.0-125	
1,4-Dichlorobenzene	5.00	4.08	81.6	77.0-121	
Dichlorodifluoromethane	5.00	4.82	96.4	43.0-156	
1,1-Dichloroethane	5.00	4.74	94.8	70.0-127	
1,2-Dichloroethane	5.00	4.41	88.2	65.0-131	
1,1-Dichloroethene	5.00	4.70	94.0	65.0-131	
trans-1,2-Dichloroethene	5.00	4.40	88.0	71.0-125	
1,2-Dichloropropane	5.00	4.33	86.6	74.0-125	
1,1-Dichloropropene	5.00	4.81	96.2	73.0-125	
1,3-Dichloropropane	5.00	4.42	88.4	80.0-125	
cis-1,3-Dichloropropene	5.00	4.38	87.6	76.0-127	
trans-1,3-Dichloropropene	5.00	4.09	81.8	73.0-127	
2,2-Dichloropropane	5.00	4.73	94.6	59.0-135	
Di-isopropyl ether	5.00	4.79	95.8	60.0-136	
Ethylbenzene	5.00	4.73	94.6	74.0-126	
Hexachloro-1,3-butadiene	5.00	4.83	96.6	57.0-150	
Isopropylbenzene	5.00	4.15	83.0	72.0-127	
p-Isopropyltoluene	5.00	4.14	82.8	72.0-133	
2-Butanone (MEK)	25.0	23.4	93.6	30.0-160	
Methylene Chloride	5.00	5.51	110	68.0-123	

Laboratory Control Sample (LCS)

(LCS) R3927309-1 05/18/23 09:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Methyl-2-pentanone (MIBK)	25.0	24.3	97.2	56.0-143	
Methyl tert-butyl ether	5.00	4.23	84.6	66.0-132	
Naphthalene	5.00	3.72	74.4	59.0-130	
n-Propylbenzene	5.00	3.96	79.2	74.0-126	
Styrene	5.00	4.21	84.2	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.08	81.6	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	4.16	83.2	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.75	95.0	61.0-139	
Tetrachloroethene	5.00	5.03	101	70.0-136	
Toluene	5.00	4.59	91.8	75.0-121	
1,2,3-Trichlorobenzene	5.00	4.24	84.8	59.0-139	
1,2,4-Trichlorobenzene	5.00	4.28	85.6	62.0-137	
1,1,1-Trichloroethane	5.00	4.90	98.0	69.0-126	
1,1,2-Trichloroethane	5.00	4.59	91.8	78.0-123	
Trichloroethene	5.00	4.92	98.4	76.0-126	
Trichlorofluoromethane	5.00	5.39	108	61.0-142	
1,2,3-Trichloropropane	5.00	4.34	86.8	67.0-129	
1,2,4-Trimethylbenzene	5.00	3.85	77.0	70.0-126	
1,2,3-Trimethylbenzene	5.00	3.92	78.4	74.0-124	
1,3,5-Trimethylbenzene	5.00	3.91	78.2	73.0-127	
Xylenes, Total	15.0	13.2	88.0	72.0-127	
Ethyl Ether	5.00	4.81	96.2	64.0-137	
Tetrahydrofuran	5.00	3.21	64.2	37.0-146	
Iodomethane	25.0	24.7	98.8	74.0-134	
Allyl chloride	25.0	23.6	94.4	70.0-131	
Trans-1,4-Dichloro-2-butene	5.00	3.69	73.8	45.0-143	
(S) Toluene-d8			*108*	*75.0-131*	
(S) 4-Bromofluorobenzene			*99.5*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*102*	*70.0-130*	

Method Blank (MB)

(MB) R3927728-2 05/20/23 12:07

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	*103*			*75.0-131*
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*

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

(LCS) R3927728-1 05/20/23 10:51 • (LCSD) R3927728-3 05/20/23 16:56

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	4.86	4.76	97.2	95.2	73.0-125			2.08	20
(S) Toluene-d8				*102*	*102*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.3*	*97.5*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*94.3*	*97.2*	*70.0-130*				

Method Blank (MB)

(MB) R3927379-2 05/19/23 23:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bromobenzene	U		0.0420	0.500
n-Butylbenzene	U		0.153	0.500
sec-Butylbenzene	U		0.101	0.500
tert-Butylbenzene	U		0.0620	0.200
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-Dichlorobenzene	U		0.0580	0.200
1,3-Dichlorobenzene	U		0.0680	0.200
1,4-Dichlorobenzene	U		0.0788	0.200
Hexachloro-1,3-butadiene	U		0.508	1.00
p-Isopropyltoluene	U		0.0932	0.200
Naphthalene	U		0.124	0.500
n-Propylbenzene	U		0.0472	0.200
1,1,2,2-Tetrachloroethane	U		0.0156	0.100
Tetrachloroethene	U		0.0280	0.100
1,2,3-Trichlorobenzene	U		0.0250	0.500
1,2,4-Trichlorobenzene	U		0.193	0.500
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
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	*105*			*75.0-131*
(S) 4-Bromofluorobenzene	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3927379-1 05/19/23 22:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromobenzene	5.00	4.36	87.2	73.0-121	
n-Butylbenzene	5.00	5.08	102	68.0-135	
sec-Butylbenzene	5.00	4.70	94.0	74.0-130	
tert-Butylbenzene	5.00	4.60	92.0	75.0-127	
2-Chlorotoluene	5.00	4.71	94.2	75.0-124	
4-Chlorotoluene	5.00	4.55	91.0	75.0-124	

Laboratory Control Sample (LCS)

(LCS) R3927379-1 05/19/23 22:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2-Dibromo-3-Chloropropane	5.00	4.09	81.8	59.0-130	
1,2-Dichlorobenzene	5.00	4.65	93.0	76.0-124	
1,3-Dichlorobenzene	5.00	4.51	90.2	76.0-125	
1,4-Dichlorobenzene	5.00	4.27	85.4	77.0-121	
Hexachloro-1,3-butadiene	5.00	5.29	106	57.0-150	
p-Isopropyltoluene	5.00	4.86	97.2	72.0-133	
Naphthalene	5.00	4.47	89.4	59.0-130	
n-Propylbenzene	5.00	4.54	90.8	74.0-126	
1,1,2,2-Tetrachloroethane	5.00	4.04	80.8	68.0-128	
Tetrachloroethene	5.00	4.38	87.6	70.0-136	
1,2,3-Trichlorobenzene	5.00	4.18	83.6	59.0-139	
1,2,4-Trichlorobenzene	5.00	4.39	87.8	62.0-137	
1,2,3-Trichloropropane	5.00	4.19	83.8	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.58	91.6	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.63	92.6	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.56	91.2	73.0-127	
Xylenes, Total	15.0	14.1	94.0	72.0-127	
Trans-1,4-Dichloro-2-butene	5.00	4.58	91.6	45.0-143	
(S) Toluene-d8			*101*	*75.0-131*	
(S) 4-Bromofluorobenzene			*104*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*104*	*70.0-130*	

Method Blank (MB)

(MB) R3927867-3 05/21/23 21:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*82.7*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*

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

(LCS) R3927867-1 05/21/23 19:59 • (LCSD) R3927867-2 05/21/23 20:18

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	4.45	4.66	89.0	93.2	73.0-125			4.61	20
Tetrachloroethene	5.00	5.45	5.77	109	115	70.0-136			5.70	20
Trichloroethene	5.00	5.15	5.32	103	106	76.0-126			3.25	20
Vinyl chloride	5.00	4.18	4.33	83.6	86.6	63.0-134			3.53	20
(S) Toluene-d8				*95.6*	*96.9*	*75.0-131*				
(S) 4-Bromofluorobenzene				*86.0*	*91.5*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*117*	*117*	*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
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
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.
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	LAO000356
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

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Rachel.McLaughlin@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 #
~~443022-1413001.10.70~~
443022-1413001.10.701.02

Lab Project #
PESENVSWA-ALP

Collected by (print):
Osmin Monroy

Site/Facility ID #

P.O. # 443022-1413001.10.701.02
~~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	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl	Remarks	Sample # (lab only)
MW119-050923	G	GW	—	05/09/23	1303	3						X	-01	-01
MW-357-050923		GW	—		1236	3						X	-02	-02
MW105-050923		GW	—		1176	3						X	-03	-03
MW-304-050923		GW	—		0959	3						X		-04
MW103-050923	G	GW	—		1558	3						X	-04	-05
MW-343-050923		GW	—		1014							X	-05	-06
MW-342-050923		GW	—		1101							X	-06	-07
FMW-131-050923		GW	—		1212							X	-07	-08
GEI-2-050923		GW	—		1320							X	-08	-09
MW-331-050923		GW	—		1538							X	-09	-10

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

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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 # L1605151
B152

Table #

Acctnu .VSWA

Template: 229085

Prelogin: **P994911**

PM: **546 - Jared Starkey**

PB:

Shipped Via:

HR 5/12

* 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 # 5785 6697 9879

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:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
	5/10/23	1703		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: N/A °C 3.2+0=3.2	Bottles Received: 72
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5-11-23	Time: 9:00

Hold:

Condition: NCF / OK

HR 5/12

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

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Rachel.McLaughlin@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 #
443022-1413001.10.701.02

Lab Project #
PESENVSWA-ALP

Collected by (print):
Osmin Munroy

Site/Facility ID #

P.O. # 443022-1413001.10.701.02
~~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 #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl						
MW-138-050923	G	GW	—	5/09/23	1005	3						X						-10
MW-304-050923		GW		5/09/23	959							X						-11
BB-8-050923		GW		"	1153							X						-12
MW-105-050923		GW			1126							X						
MW-148-050923		GW			1247							X						-13
MW-155-050923		GW		↓	1357							X						-14
MW-325-050923		GW			1514							X						-15
MW-326-050923		GW			1405							X						-16
MW-990-050923		GW		↓	1200							X						-17
~~MW12~~ MW112-051023	↓	GW	↓	5/10/23	1028	↓						X						-18

NEW

* 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 #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	5/10/23	1703		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			J 10	5.11.23 9:00

If preservation required by Login: 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		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Chain of Custody Page 2 of 3

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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 # L1d5451

Table #

Acctnum: **PESENVSWA**
Template: **T229085**
Prelogin: **P994911**
PM: **546 - Jared Starkey**
PB:

Shipped Via:

Remarks | Sample # (lab only)

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

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Rachel.McLaughlin@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 #
443022-1413001.10.701.02

Lab Project #
PESENVSWA-ALP

Collected by (print):
Osmin Monroy

Site/Facility ID #

P.O. #~~443022-1413001.10.701.~~ ~~443018-1413001.05.601~~ 02

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

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl					Remarks	Sample # (lab only)
MW-179-051023	G	GW	—	5/10/23	1339	9	X	X	X	X	X	X						-19
MW-177-051023	G	GW			1416	9	X	X	X	X	X	X						-20
TB-051023	—	GW	—	↓	—	1						X						-21
		GW																
		GW																
		GW																
		GW																
		GW																
		GW																
		GW																

Chain of Custody Page 3 of 3

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 # L1615451

Table #

Acctnum: **PESENVSWA**
Template: **T229085**
Prelogin: **P994911**
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 __ 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:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	5/10/23	1703			
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: 5-11-23 Time: 9:00	Hold: Condition: NCF / OK

5/12-NCF-L1615451 PESENVSWA

R5

Time estimate: oh **Time spent:** oh

Members

Hailey Melson (responsible) JS Jared Starkey

Due on *16 May 2023 8:00 AM* for target *Done*

- [x] 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 2023 9:53 AM*

1) Missing ID: MW-304
2) MW-105 listed on the COC twice but we only received 1 set.

Jared Starkey *12 May 2023 11:10 AM*

Looking at the COC I actually see that MW-304 and MW105 are both listed twice with the same dates, times, and bottle counts. This was an error on the field staff's part when completing the COCs- they accidentally wrote those sample twice. Should only be one of each, which leads to the question –

Do you mean there are no bottles labeled MW-304 in the cooler?

Hailey Melson *12 May 2023 11:26 AM*

We did apparently have 1 set of MW-304. I just missed where it was written a second time on the COC.

Jared Starkey *12 May 2023 11:28 AM*

Please only log each of these once. Thanks.

Hailey Melson *12 May 2023 11:29 AM*

Thank you! Done.

ANALYTICAL REPORT

June 02, 2023

PES Environmental, Inc.- WA

Sample Delivery Group:	L1616149
Samples Received:	05/13/2023
Project Number:	443022-1413001.10.70
Description:	American Linen

Report To: Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:

Jason Romer
Project Manager

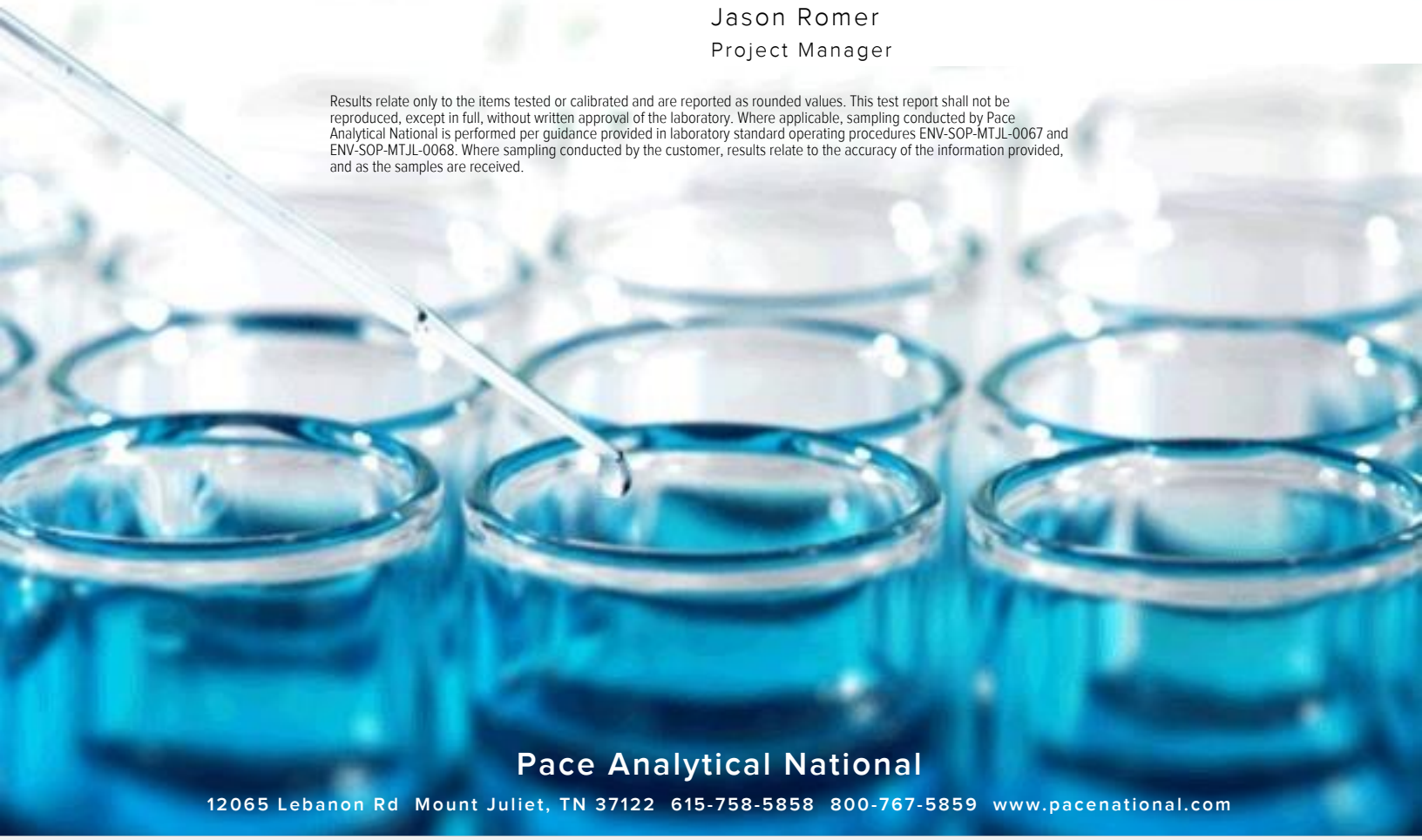


TABLE OF CONTENTS

MW-189-051223 L1616149-01 GW

Collected by: Osmin M. | Collected date/time: 05/12/23 09:37 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062291	1	05/18/23 14:50	05/18/23 14:50	AV	Mt. Juliet, TN

MW-190-051223 L1616149-02 GW

Collected by: Osmin M. | Collected date/time: 05/12/23 10:54 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062291	1	05/18/23 15:09	05/18/23 15:09	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063702	5	05/22/23 01:45	05/22/23 01:45	JBE	Mt. Juliet, TN

MW102-051223 L1616149-03 GW

Collected by: Osmin M. | Collected date/time: 05/12/23 11:58 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062291	1	05/18/23 15:28	05/18/23 15:28	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063702	1	05/22/23 00:09	05/22/23 00:09	JBE	Mt. Juliet, TN

MW-158A-051223 L1616149-04 GW

Collected by: Osmin M. | Collected date/time: 05/12/23 13:11 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062291	1	05/18/23 15:48	05/18/23 15:48	AV	Mt. Juliet, TN

MW120-051223 L1616149-05 GW

Collected by: Osmin M. | Collected date/time: 05/12/23 14:06 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062291	1	05/18/23 16:07	05/18/23 16:07	AV	Mt. Juliet, TN

MW-9-051223 L1616149-06 GW

Collected by: Osmin M. | Collected date/time: 05/12/23 15:22 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062291	1	05/18/23 16:26	05/18/23 16:26	AV	Mt. Juliet, TN

MW-156-051223 L1616149-07 GW

Collected by: Osmin M. | Collected date/time: 05/12/23 14:53 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063729	1	05/23/23 01:22	05/23/23 01:22	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/18/23 23:09	05/18/23 23:09	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060155	1	05/18/23 01:46	05/23/23 19:03	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2062915	1	05/23/23 11:59	05/23/23 11:59	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065249	10	05/23/23 16:04	05/23/23 16:04	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062291	1	05/18/23 16:44	05/18/23 16:44	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063702	10	05/22/23 02:05	05/22/23 02:05	JBE	Mt. Juliet, TN

MW124-051223 L1616149-08 GW

Collected by: Osmin M. | Collected date/time: 05/12/23 13:27 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062291	1	05/18/23 17:04	05/18/23 17:04	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063702	1	05/22/23 00:28	05/22/23 00:28	JBE	Mt. Juliet, TN

MW-153-051223 L1616149-09 GW

Collected by: Osmin M. | Collected date/time: 05/12/23 12:31 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062291	1	05/18/23 17:23	05/18/23 17:23	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063702	1	05/22/23 00:47	05/22/23 00:47	JBE	Mt. Juliet, TN

MW-147-051223 L1616149-10 GW

Collected by: Osmin M. | Collected date/time: 05/12/23 09:33 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063729	1	05/23/23 01:36	05/23/23 01:36	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 00:15	05/19/23 00:15	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060155	1	05/18/23 01:46	05/23/23 19:07	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2062915	1	05/23/23 12:04	05/23/23 12:04	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062291	1	05/18/23 17:42	05/18/23 17:42	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063702	5	05/22/23 02:24	05/22/23 02:24	JBE	Mt. Juliet, TN

MW-154-051223 L1616149-11 GW

Collected by: Osmin M. | Collected date/time: 05/12/23 11:43 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062291	1	05/18/23 18:01	05/18/23 18:01	AV	Mt. Juliet, TN

MW-146-051223 L1616149-12 GW

Collected by: Osmin M. | Collected date/time: 05/12/23 10:51 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063729	1	05/23/23 02:17	05/23/23 02:17	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 00:35	05/19/23 00:35	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060866	10	05/16/23 15:42	05/24/23 12:05	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2062915	1	05/23/23 12:43	05/23/23 12:43	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065249	10	05/23/23 16:08	05/23/23 16:08	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	10	05/19/23 05:57	05/19/23 05:57	GLN	Mt. Juliet, TN

MW-987-051223 L1616149-13 GW

Collected by: Osmin M. | Collected date/time: 05/12/23 12:00 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 00:09	05/19/23 00:09	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2065856	5	05/25/23 03:45	05/25/23 03:45	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

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.09		0.548	1.00	1	05/18/2023 14:50	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 14:50	WG2062291
Benzene	U		0.0160	0.0400	1	05/18/2023 14:50	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 14:50	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 14:50	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 14:50	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 14:50	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 14:50	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 14:50	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 14:50	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 14:50	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 14:50	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 14:50	WG2062291
Chloroethane	0.312		0.0432	0.200	1	05/18/2023 14:50	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 14:50	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 14:50	WG2062291
2-Chlorotoluene	U	C3	0.0368	0.100	1	05/18/2023 14:50	WG2062291
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/18/2023 14:50	WG2062291
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/18/2023 14:50	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 14:50	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 14:50	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 14:50	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 14:50	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 14:50	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 14:50	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 14:50	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 14:50	WG2062291
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 14:50	WG2062291
cis-1,2-Dichloroethene	1.29		0.0276	0.100	1	05/18/2023 14:50	WG2062291
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 14:50	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 14:50	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 14:50	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 14:50	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 14:50	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 14:50	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 14:50	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 14:50	WG2062291
Ethylbenzene	0.0480	J	0.0212	0.100	1	05/18/2023 14:50	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 14:50	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 14:50	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 14:50	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 14:50	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 14:50	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 14:50	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 14:50	WG2062291
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 14:50	WG2062291
n-Propylbenzene	U	C3	0.0472	0.200	1	05/18/2023 14:50	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 14:50	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 14:50	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 14:50	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 14:50	WG2062291
Tetrachloroethene	0.0760	J	0.0280	0.100	1	05/18/2023 14:50	WG2062291
Toluene	0.213		0.0500	0.200	1	05/18/2023 14:50	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 14:50	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 14:50	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 14:50	WG2062291

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 14:50	WG2062291
Trichloroethene	U		0.0160	0.0400	1	05/18/2023 14:50	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 14:50	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 14:50	WG2062291
1,2,4-Trimethylbenzene	U	C3	0.0464	0.200	1	05/18/2023 14:50	WG2062291
1,2,3-Trimethylbenzene	U	C3	0.0460	0.200	1	05/18/2023 14:50	WG2062291
1,3,5-Trimethylbenzene	U	C3	0.0432	0.200	1	05/18/2023 14:50	WG2062291
Vinyl chloride	15.8		0.0273	0.100	1	05/18/2023 14:50	WG2062291
Xylenes, Total	0.306		0.191	0.260	1	05/18/2023 14:50	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 14:50	WG2062291
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/18/2023 14:50	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 14:50	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 14:50	WG2062291
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 14:50	WG2062291
(S) Toluene-d8	*108*			*75.0-131*		*05/18/2023 14:50*	WG2062291
(S) 4-Bromofluorobenzene	*98.8*			*67.0-138*		*05/18/2023 14:50*	WG2062291
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/18/2023 14:50*	WG2062291

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	45.8		0.548	1.00	1	05/18/2023 15:09	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 15:09	WG2062291
Benzene	U		0.0160	0.0400	1	05/18/2023 15:09	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 15:09	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 15:09	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 15:09	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 15:09	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 15:09	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 15:09	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 15:09	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 15:09	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 15:09	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 15:09	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 15:09	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 15:09	WG2062291
Chloromethane	0.899		0.0556	0.500	1	05/18/2023 15:09	WG2062291
2-Chlorotoluene	U	C3	0.0368	0.100	1	05/18/2023 15:09	WG2062291
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/18/2023 15:09	WG2062291
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/18/2023 15:09	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 15:09	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 15:09	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 15:09	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 15:09	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 15:09	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 15:09	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 15:09	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 15:09	WG2062291
1,1-Dichloroethene	0.245		0.0200	0.100	1	05/18/2023 15:09	WG2062291
cis-1,2-Dichloroethene	148		0.138	0.500	5	05/22/2023 01:45	WG2063702
trans-1,2-Dichloroethene	0.109	J	0.0572	0.200	1	05/18/2023 15:09	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 15:09	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 15:09	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 15:09	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 15:09	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 15:09	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 15:09	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 15:09	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 15:09	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 15:09	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 15:09	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 15:09	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 15:09	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 15:09	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 15:09	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 15:09	WG2062291
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 15:09	WG2062291
n-Propylbenzene	U	C3	0.0472	0.200	1	05/18/2023 15:09	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 15:09	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 15:09	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 15:09	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 15:09	WG2062291
Tetrachloroethene	0.0790	J	0.0280	0.100	1	05/18/2023 15:09	WG2062291
Toluene	U		0.0500	0.200	1	05/18/2023 15:09	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 15:09	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 15:09	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 15:09	WG2062291

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 15:09	WG2062291
Trichloroethene	U		0.0160	0.0400	1	05/18/2023 15:09	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 15:09	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 15:09	WG2062291
1,2,4-Trimethylbenzene	U	C3	0.0464	0.200	1	05/18/2023 15:09	WG2062291
1,2,3-Trimethylbenzene	U	C3	0.0460	0.200	1	05/18/2023 15:09	WG2062291
1,3,5-Trimethylbenzene	U	C3	0.0432	0.200	1	05/18/2023 15:09	WG2062291
Vinyl chloride	111		0.137	0.500	5	05/22/2023 01:45	WG2063702
Xylenes, Total	U		0.191	0.260	1	05/18/2023 15:09	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 15:09	WG2062291
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/18/2023 15:09	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 15:09	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 15:09	WG2062291
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 15:09	WG2062291
(S) Toluene-d8	*106*			*75.0-131*		*05/18/2023 15:09*	WG2062291
(S) Toluene-d8	*100*			*75.0-131*		*05/22/2023 01:45*	WG2063702
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/18/2023 15:09*	WG2062291
(S) 4-Bromofluorobenzene	*79.1*			*67.0-138*		*05/22/2023 01:45*	WG2063702
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/18/2023 15:09*	WG2062291
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/22/2023 01:45*	WG2063702

Volatile 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	05/18/2023 15:28	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 15:28	WG2062291
Benzene	U		0.0160	0.0400	1	05/18/2023 15:28	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 15:28	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 15:28	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 15:28	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 15:28	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 15:28	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 15:28	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 15:28	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 15:28	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 15:28	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 15:28	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 15:28	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 15:28	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 15:28	WG2062291
2-Chlorotoluene	U	C3	0.0368	0.100	1	05/18/2023 15:28	WG2062291
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/18/2023 15:28	WG2062291
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/18/2023 15:28	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 15:28	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 15:28	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 15:28	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 15:28	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 15:28	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 15:28	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 15:28	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 15:28	WG2062291
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 15:28	WG2062291
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/22/2023 00:09	WG2063702
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 15:28	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 15:28	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 15:28	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 15:28	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 15:28	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 15:28	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 15:28	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 15:28	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 15:28	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 15:28	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 15:28	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 15:28	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 15:28	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 15:28	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 15:28	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 15:28	WG2062291
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 15:28	WG2062291
n-Propylbenzene	U	C3	0.0472	0.200	1	05/18/2023 15:28	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 15:28	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 15:28	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 15:28	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 15:28	WG2062291
Tetrachloroethene	0.0400	J	0.0280	0.100	1	05/22/2023 00:09	WG2063702
Toluene	U		0.0500	0.200	1	05/18/2023 15:28	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 15:28	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 15:28	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 15:28	WG2062291

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 15:28	WG2062291
Trichloroethene	U		0.0160	0.0400	1	05/18/2023 15:28	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 15:28	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 15:28	WG2062291
1,2,4-Trimethylbenzene	U	C3	0.0464	0.200	1	05/18/2023 15:28	WG2062291
1,2,3-Trimethylbenzene	U	C3	0.0460	0.200	1	05/18/2023 15:28	WG2062291
1,3,5-Trimethylbenzene	U	C3	0.0432	0.200	1	05/18/2023 15:28	WG2062291
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 15:28	WG2062291
Xylenes, Total	0.194	J	0.191	0.260	1	05/18/2023 15:28	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 15:28	WG2062291
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/18/2023 15:28	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 15:28	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 15:28	WG2062291
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 15:28	WG2062291
(S) Toluene-d8	*111*			*75.0-131*		*05/18/2023 15:28*	WG2062291
(S) Toluene-d8	*102*			*75.0-131*		*05/22/2023 00:09*	WG2063702
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/18/2023 15:28*	WG2062291
(S) 4-Bromofluorobenzene	*80.1*			*67.0-138*		*05/22/2023 00:09*	WG2063702
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/18/2023 15:28*	WG2062291
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*05/22/2023 00:09*	WG2063702

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.05		0.548	1.00	1	05/18/2023 15:48	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 15:48	WG2062291
Benzene	0.0220	J	0.0160	0.0400	1	05/18/2023 15:48	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 15:48	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 15:48	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 15:48	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 15:48	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 15:48	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 15:48	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 15:48	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 15:48	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 15:48	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 15:48	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 15:48	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 15:48	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 15:48	WG2062291
2-Chlorotoluene	U	C3	0.0368	0.100	1	05/18/2023 15:48	WG2062291
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/18/2023 15:48	WG2062291
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/18/2023 15:48	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 15:48	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 15:48	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 15:48	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 15:48	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 15:48	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 15:48	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 15:48	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 15:48	WG2062291
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 15:48	WG2062291
cis-1,2-Dichloroethene	0.286		0.0276	0.100	1	05/18/2023 15:48	WG2062291
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 15:48	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 15:48	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 15:48	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 15:48	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 15:48	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 15:48	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 15:48	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 15:48	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 15:48	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 15:48	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 15:48	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 15:48	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 15:48	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 15:48	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 15:48	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 15:48	WG2062291
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 15:48	WG2062291
n-Propylbenzene	U	C3	0.0472	0.200	1	05/18/2023 15:48	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 15:48	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 15:48	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 15:48	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 15:48	WG2062291
Tetrachloroethene	0.0880	J	0.0280	0.100	1	05/18/2023 15:48	WG2062291
Toluene	U		0.0500	0.200	1	05/18/2023 15:48	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 15:48	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 15:48	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 15:48	WG2062291

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 15:48	WG2062291
Trichloroethene	0.0700		0.0160	0.0400	1	05/18/2023 15:48	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 15:48	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 15:48	WG2062291
1,2,4-Trimethylbenzene	U	C3	0.0464	0.200	1	05/18/2023 15:48	WG2062291
1,2,3-Trimethylbenzene	U	C3	0.0460	0.200	1	05/18/2023 15:48	WG2062291
1,3,5-Trimethylbenzene	U	C3	0.0432	0.200	1	05/18/2023 15:48	WG2062291
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 15:48	WG2062291
Xylenes, Total	U		0.191	0.260	1	05/18/2023 15:48	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 15:48	WG2062291
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/18/2023 15:48	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 15:48	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 15:48	WG2062291
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 15:48	WG2062291
(S) Toluene-d8	*110*			*75.0-131*		*05/18/2023 15:48*	WG2062291
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/18/2023 15:48*	WG2062291
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/18/2023 15:48*	WG2062291

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.54		0.548	1.00	1	05/18/2023 16:07	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 16:07	WG2062291
Benzene	0.0200	J	0.0160	0.0400	1	05/18/2023 16:07	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 16:07	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 16:07	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 16:07	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 16:07	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 16:07	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 16:07	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 16:07	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 16:07	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 16:07	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 16:07	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 16:07	WG2062291
Chloroform	0.140		0.0166	0.100	1	05/18/2023 16:07	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 16:07	WG2062291
2-Chlorotoluene	U	C3	0.0368	0.100	1	05/18/2023 16:07	WG2062291
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/18/2023 16:07	WG2062291
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/18/2023 16:07	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 16:07	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 16:07	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 16:07	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 16:07	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 16:07	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 16:07	WG2062291
1,1-Dichloroethane	0.730		0.0230	0.100	1	05/18/2023 16:07	WG2062291
1,2-Dichloroethane	0.193		0.0190	0.100	1	05/18/2023 16:07	WG2062291
1,1-Dichloroethene	0.174		0.0200	0.100	1	05/18/2023 16:07	WG2062291
cis-1,2-Dichloroethene	18.2		0.0276	0.100	1	05/18/2023 16:07	WG2062291
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 16:07	WG2062291
1,2-Dichloropropane	0.497		0.0508	0.200	1	05/18/2023 16:07	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 16:07	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 16:07	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 16:07	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 16:07	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 16:07	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 16:07	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 16:07	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 16:07	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 16:07	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 16:07	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 16:07	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 16:07	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 16:07	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 16:07	WG2062291
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 16:07	WG2062291
n-Propylbenzene	U	C3	0.0472	0.200	1	05/18/2023 16:07	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 16:07	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 16:07	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 16:07	WG2062291
1,1,2-Trichlorotrifluoroethane	0.228		0.0270	0.100	1	05/18/2023 16:07	WG2062291
Tetrachloroethene	68.3		0.0280	0.100	1	05/18/2023 16:07	WG2062291
Toluene	U		0.0500	0.200	1	05/18/2023 16:07	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 16:07	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 16:07	WG2062291
1,1,1-Trichloroethane	0.204		0.0110	0.100	1	05/18/2023 16:07	WG2062291

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 16:07	WG2062291
Trichloroethene	17.6		0.0160	0.0400	1	05/18/2023 16:07	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 16:07	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 16:07	WG2062291
1,2,4-Trimethylbenzene	U	C3	0.0464	0.200	1	05/18/2023 16:07	WG2062291
1,2,3-Trimethylbenzene	U	C3	0.0460	0.200	1	05/18/2023 16:07	WG2062291
1,3,5-Trimethylbenzene	U	C3	0.0432	0.200	1	05/18/2023 16:07	WG2062291
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 16:07	WG2062291
Xylenes, Total	U		0.191	0.260	1	05/18/2023 16:07	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 16:07	WG2062291
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/18/2023 16:07	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 16:07	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 16:07	WG2062291
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 16:07	WG2062291
(S) Toluene-d8	*108*			*75.0-131*		*05/18/2023 16:07*	WG2062291
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/18/2023 16:07*	WG2062291
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/18/2023 16:07*	WG2062291

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.76		0.548	1.00	1	05/18/2023 16:26	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 16:26	WG2062291
Benzene	0.0430		0.0160	0.0400	1	05/18/2023 16:26	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 16:26	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 16:26	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 16:26	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 16:26	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 16:26	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 16:26	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 16:26	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 16:26	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 16:26	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 16:26	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 16:26	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 16:26	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 16:26	WG2062291
2-Chlorotoluene	U	C3	0.0368	0.100	1	05/18/2023 16:26	WG2062291
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/18/2023 16:26	WG2062291
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/18/2023 16:26	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 16:26	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 16:26	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 16:26	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 16:26	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 16:26	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 16:26	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 16:26	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 16:26	WG2062291
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 16:26	WG2062291
cis-1,2-Dichloroethene	0.0430	J	0.0276	0.100	1	05/18/2023 16:26	WG2062291
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 16:26	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 16:26	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 16:26	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 16:26	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 16:26	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 16:26	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 16:26	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 16:26	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 16:26	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 16:26	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 16:26	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 16:26	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 16:26	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 16:26	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 16:26	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 16:26	WG2062291
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 16:26	WG2062291
n-Propylbenzene	U	C3	0.0472	0.200	1	05/18/2023 16:26	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 16:26	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 16:26	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 16:26	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 16:26	WG2062291
Tetrachloroethene	0.121		0.0280	0.100	1	05/18/2023 16:26	WG2062291
Toluene	U		0.0500	0.200	1	05/18/2023 16:26	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 16:26	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 16:26	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 16:26	WG2062291

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 16:26	WG2062291
Trichloroethene	U		0.0160	0.0400	1	05/18/2023 16:26	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 16:26	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 16:26	WG2062291
1,2,4-Trimethylbenzene	U	C3	0.0464	0.200	1	05/18/2023 16:26	WG2062291
1,2,3-Trimethylbenzene	U	C3	0.0460	0.200	1	05/18/2023 16:26	WG2062291
1,3,5-Trimethylbenzene	U	C3	0.0432	0.200	1	05/18/2023 16:26	WG2062291
Vinyl chloride	0.592		0.0273	0.100	1	05/18/2023 16:26	WG2062291
Xylenes, Total	U		0.191	0.260	1	05/18/2023 16:26	WG2062291
Ethyl Ether	0.195		0.0170	0.100	1	05/18/2023 16:26	WG2062291
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/18/2023 16:26	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 16:26	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 16:26	WG2062291
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 16:26	WG2062291
(S) Toluene-d8	*110*			*75.0-131*		*05/18/2023 16:26*	WG2062291
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/18/2023 16:26*	WG2062291
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/18/2023 16:26*	WG2062291

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	33700		594	5000	1	05/23/2023 01:22	WG2063729

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)	7570		102	1000	1	05/18/2023 23:09	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3090		28.1	100	1	05/23/2023 19:03	WG2060155
Manganese	3490		0.704	5.00	1	05/23/2023 19:03	WG2060155

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	13400		2.87	6.78	10	05/23/2023 16:04	WG2065249
Ethane	48.0		0.296	1.29	1	05/23/2023 11:59	WG2062915
Ethene	2.09		0.422	1.27	1	05/23/2023 11:59	WG2062915

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.55		0.548	1.00	1	05/18/2023 16:44	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 16:44	WG2062291
Benzene	0.130		0.0160	0.0400	1	05/18/2023 16:44	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 16:44	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 16:44	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 16:44	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 16:44	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 16:44	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 16:44	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 16:44	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 16:44	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 16:44	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 16:44	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 16:44	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 16:44	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 16:44	WG2062291
2-Chlorotoluene	U	C3	0.0368	0.100	1	05/18/2023 16:44	WG2062291
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/18/2023 16:44	WG2062291
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/18/2023 16:44	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 16:44	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 16:44	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 16:44	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 16:44	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 16:44	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 16:44	WG2062291
1,1-Dichloroethane	0.0450	J	0.0230	0.100	1	05/18/2023 16:44	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 16:44	WG2062291
1,1-Dichloroethene	1.28		0.0200	0.100	1	05/18/2023 16:44	WG2062291
cis-1,2-Dichloroethene	360		0.276	1.00	10	05/22/2023 02:05	WG2063702
trans-1,2-Dichloroethene	1.70		0.0572	0.200	1	05/18/2023 16:44	WG2062291
1,2-Dichloropropane	0.109	J	0.0508	0.200	1	05/18/2023 16:44	WG2062291

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		0.0280	0.100	1	05/18/2023 16:44	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 16:44	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 16:44	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 16:44	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 16:44	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 16:44	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 16:44	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 16:44	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 16:44	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 16:44	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 16:44	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 16:44	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 16:44	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 16:44	WG2062291
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 16:44	WG2062291
n-Propylbenzene	U	C3	0.0472	0.200	1	05/18/2023 16:44	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 16:44	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 16:44	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 16:44	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 16:44	WG2062291
Tetrachloroethene	567		0.280	1.00	10	05/22/2023 02:05	WG2063702
Toluene	U		0.0500	0.200	1	05/18/2023 16:44	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 16:44	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 16:44	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 16:44	WG2062291
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 16:44	WG2062291
Trichloroethene	198		0.160	0.400	10	05/22/2023 02:05	WG2063702
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 16:44	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 16:44	WG2062291
1,2,4-Trimethylbenzene	U	C3	0.0464	0.200	1	05/18/2023 16:44	WG2062291
1,2,3-Trimethylbenzene	U	C3	0.0460	0.200	1	05/18/2023 16:44	WG2062291
1,3,5-Trimethylbenzene	U	C3	0.0432	0.200	1	05/18/2023 16:44	WG2062291
Vinyl chloride	2.23		0.0273	0.100	1	05/18/2023 16:44	WG2062291
Xylenes, Total	U		0.191	0.260	1	05/18/2023 16:44	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 16:44	WG2062291
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/18/2023 16:44	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 16:44	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 16:44	WG2062291
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 16:44	WG2062291
(S) Toluene-d8	*108*			*75.0-131*		*05/18/2023 16:44*	WG2062291
(S) Toluene-d8	*103*			*75.0-131*		*05/22/2023 02:05*	WG2063702
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*05/18/2023 16:44*	WG2062291
(S) 4-Bromofluorobenzene	*81.4*			*67.0-138*		*05/22/2023 02:05*	WG2063702
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/18/2023 16:44*	WG2062291
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*05/22/2023 02:05*	WG2063702

Volatile 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	05/18/2023 17:04	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 17:04	WG2062291
Benzene	U		0.0160	0.0400	1	05/18/2023 17:04	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 17:04	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 17:04	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 17:04	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 17:04	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 17:04	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 17:04	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 17:04	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 17:04	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 17:04	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 17:04	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 17:04	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 17:04	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 17:04	WG2062291
2-Chlorotoluene	U	C3	0.0368	0.100	1	05/18/2023 17:04	WG2062291
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/18/2023 17:04	WG2062291
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/18/2023 17:04	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 17:04	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 17:04	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 17:04	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 17:04	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 17:04	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 17:04	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 17:04	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 17:04	WG2062291
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 17:04	WG2062291
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/22/2023 00:28	WG2063702
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 17:04	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 17:04	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 17:04	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 17:04	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 17:04	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 17:04	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 17:04	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 17:04	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 17:04	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 17:04	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 17:04	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 17:04	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 17:04	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 17:04	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 17:04	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 17:04	WG2062291
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 17:04	WG2062291
n-Propylbenzene	U	C3	0.0472	0.200	1	05/18/2023 17:04	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 17:04	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 17:04	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 17:04	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 17:04	WG2062291
Tetrachloroethene	U		0.0280	0.100	1	05/22/2023 00:28	WG2063702
Toluene	U		0.0500	0.200	1	05/18/2023 17:04	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 17:04	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 17:04	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 17:04	WG2062291

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 17:04	WG2062291
Trichloroethene	U		0.0160	0.0400	1	05/22/2023 00:28	WG2063702
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 17:04	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 17:04	WG2062291
1,2,4-Trimethylbenzene	U	C3	0.0464	0.200	1	05/18/2023 17:04	WG2062291
1,2,3-Trimethylbenzene	U	C3	0.0460	0.200	1	05/18/2023 17:04	WG2062291
1,3,5-Trimethylbenzene	U	C3	0.0432	0.200	1	05/18/2023 17:04	WG2062291
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 17:04	WG2062291
Xylenes, Total	U		0.191	0.260	1	05/18/2023 17:04	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 17:04	WG2062291
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/18/2023 17:04	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 17:04	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 17:04	WG2062291
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 17:04	WG2062291
(S) Toluene-d8	*107*			*75.0-131*		*05/18/2023 17:04*	WG2062291
(S) Toluene-d8	*101*			*75.0-131*		*05/22/2023 00:28*	WG2063702
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/18/2023 17:04*	WG2062291
(S) 4-Bromofluorobenzene	*83.7*			*67.0-138*		*05/22/2023 00:28*	WG2063702
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*05/18/2023 17:04*	WG2062291
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*05/22/2023 00:28*	WG2063702

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.86		0.548	1.00	1	05/18/2023 17:23	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 17:23	WG2062291
Benzene	U		0.0160	0.0400	1	05/18/2023 17:23	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 17:23	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 17:23	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 17:23	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 17:23	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 17:23	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 17:23	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 17:23	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 17:23	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 17:23	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 17:23	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 17:23	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 17:23	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 17:23	WG2062291
2-Chlorotoluene	U	C3	0.0368	0.100	1	05/18/2023 17:23	WG2062291
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/18/2023 17:23	WG2062291
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/18/2023 17:23	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 17:23	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 17:23	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 17:23	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 17:23	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 17:23	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 17:23	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 17:23	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 17:23	WG2062291
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 17:23	WG2062291
cis-1,2-Dichloroethene	0.155		0.0276	0.100	1	05/22/2023 00:47	WG2063702
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 17:23	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 17:23	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 17:23	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 17:23	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 17:23	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 17:23	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 17:23	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 17:23	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 17:23	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 17:23	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 17:23	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 17:23	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 17:23	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 17:23	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 17:23	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 17:23	WG2062291
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 17:23	WG2062291
n-Propylbenzene	U	C3	0.0472	0.200	1	05/18/2023 17:23	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 17:23	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 17:23	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 17:23	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 17:23	WG2062291
Tetrachloroethene	U		0.0280	0.100	1	05/22/2023 00:47	WG2063702
Toluene	U		0.0500	0.200	1	05/18/2023 17:23	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 17:23	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 17:23	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 17:23	WG2062291

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 17:23	WG2062291
Trichloroethene	U		0.0160	0.0400	1	05/18/2023 17:23	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 17:23	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 17:23	WG2062291
1,2,4-Trimethylbenzene	U	C3	0.0464	0.200	1	05/18/2023 17:23	WG2062291
1,2,3-Trimethylbenzene	U	C3	0.0460	0.200	1	05/18/2023 17:23	WG2062291
1,3,5-Trimethylbenzene	U	C3	0.0432	0.200	1	05/18/2023 17:23	WG2062291
Vinyl chloride	0.388		0.0273	0.100	1	05/18/2023 17:23	WG2062291
Xylenes, Total	U		0.191	0.260	1	05/18/2023 17:23	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 17:23	WG2062291
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/18/2023 17:23	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 17:23	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 17:23	WG2062291
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 17:23	WG2062291
(S) Toluene-d8	*107*			*75.0-131*		*05/18/2023 17:23*	WG2062291
(S) Toluene-d8	*103*			*75.0-131*		*05/22/2023 00:47*	WG2063702
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/18/2023 17:23*	WG2062291
(S) 4-Bromofluorobenzene	*80.4*			*67.0-138*		*05/22/2023 00:47*	WG2063702
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*05/18/2023 17:23*	WG2062291
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*05/22/2023 00:47*	WG2063702

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	19900		594	5000	1	05/23/2023 01:36	WG2063729

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)	11800		102	1000	1	05/19/2023 00:15	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1370		28.1	100	1	05/23/2023 19:07	WG2060155
Manganese	567		0.704	5.00	1	05/23/2023 19:07	WG2060155

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3800		0.287	0.678	1	05/23/2023 12:04	WG2062915
Ethane	48.2		0.296	1.29	1	05/23/2023 12:04	WG2062915
Ethene	135		0.422	1.27	1	05/23/2023 12:04	WG2062915

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.78		0.548	1.00	1	05/18/2023 17:42	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 17:42	WG2062291
Benzene	U		0.0160	0.0400	1	05/18/2023 17:42	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 17:42	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 17:42	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 17:42	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 17:42	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 17:42	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 17:42	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 17:42	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 17:42	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 17:42	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 17:42	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 17:42	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 17:42	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 17:42	WG2062291
2-Chlorotoluene	U	C3	0.0368	0.100	1	05/18/2023 17:42	WG2062291
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/18/2023 17:42	WG2062291
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/18/2023 17:42	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 17:42	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 17:42	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 17:42	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 17:42	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 17:42	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 17:42	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 17:42	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 17:42	WG2062291
1,1-Dichloroethene	0.189		0.0200	0.100	1	05/18/2023 17:42	WG2062291
cis-1,2-Dichloroethene	18.3		0.0276	0.100	1	05/18/2023 17:42	WG2062291
trans-1,2-Dichloroethene	0.330		0.0572	0.200	1	05/18/2023 17:42	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 17:42	WG2062291

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		0.0280	0.100	1	05/18/2023 17:42	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 17:42	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 17:42	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 17:42	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 17:42	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 17:42	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 17:42	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 17:42	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 17:42	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 17:42	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 17:42	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 17:42	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 17:42	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 17:42	WG2062291
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 17:42	WG2062291
n-Propylbenzene	U	C3	0.0472	0.200	1	05/18/2023 17:42	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 17:42	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 17:42	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 17:42	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 17:42	WG2062291
Tetrachloroethene	0.0650	J	0.0280	0.100	1	05/18/2023 17:42	WG2062291
Toluene	U		0.0500	0.200	1	05/18/2023 17:42	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 17:42	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 17:42	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 17:42	WG2062291
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 17:42	WG2062291
Trichloroethene	0.0660		0.0160	0.0400	1	05/18/2023 17:42	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 17:42	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 17:42	WG2062291
1,2,4-Trimethylbenzene	U	C3	0.0464	0.200	1	05/18/2023 17:42	WG2062291
1,2,3-Trimethylbenzene	U	C3	0.0460	0.200	1	05/18/2023 17:42	WG2062291
1,3,5-Trimethylbenzene	U	C3	0.0432	0.200	1	05/18/2023 17:42	WG2062291
Vinyl chloride	108		0.137	0.500	5	05/22/2023 02:24	WG2063702
Xylenes, Total	U		0.191	0.260	1	05/18/2023 17:42	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 17:42	WG2062291
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/18/2023 17:42	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 17:42	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 17:42	WG2062291
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 17:42	WG2062291
(S) Toluene-d8	*109*			*75.0-131*		*05/18/2023 17:42*	WG2062291
(S) Toluene-d8	*103*			*75.0-131*		*05/22/2023 02:24*	WG2063702
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/18/2023 17:42*	WG2062291
(S) 4-Bromofluorobenzene	*78.1*			*67.0-138*		*05/22/2023 02:24*	WG2063702
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/18/2023 17:42*	WG2062291
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*05/22/2023 02:24*	WG2063702

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.72		0.548	1.00	1	05/18/2023 18:01	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 18:01	WG2062291
Benzene	U		0.0160	0.0400	1	05/18/2023 18:01	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 18:01	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 18:01	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 18:01	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 18:01	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 18:01	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 18:01	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 18:01	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 18:01	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 18:01	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 18:01	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 18:01	WG2062291
Chloroform	0.0640	J	0.0166	0.100	1	05/18/2023 18:01	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 18:01	WG2062291
2-Chlorotoluene	U	C3	0.0368	0.100	1	05/18/2023 18:01	WG2062291
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/18/2023 18:01	WG2062291
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/18/2023 18:01	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 18:01	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 18:01	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 18:01	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 18:01	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 18:01	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 18:01	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 18:01	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 18:01	WG2062291
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 18:01	WG2062291
cis-1,2-Dichloroethene	0.254		0.0276	0.100	1	05/18/2023 18:01	WG2062291
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 18:01	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 18:01	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 18:01	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 18:01	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 18:01	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 18:01	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 18:01	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 18:01	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 18:01	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 18:01	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 18:01	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 18:01	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 18:01	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 18:01	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 18:01	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 18:01	WG2062291
Naphthalene	U	C3	0.124	0.500	1	05/18/2023 18:01	WG2062291
n-Propylbenzene	U	C3	0.0472	0.200	1	05/18/2023 18:01	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 18:01	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 18:01	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 18:01	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 18:01	WG2062291
Tetrachloroethene	37.9		0.0280	0.100	1	05/18/2023 18:01	WG2062291
Toluene	U		0.0500	0.200	1	05/18/2023 18:01	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 18:01	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 18:01	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 18:01	WG2062291

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 18:01	WG2062291
Trichloroethene	2.86		0.0160	0.0400	1	05/18/2023 18:01	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 18:01	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 18:01	WG2062291
1,2,4-Trimethylbenzene	U	C3	0.0464	0.200	1	05/18/2023 18:01	WG2062291
1,2,3-Trimethylbenzene	U	C3	0.0460	0.200	1	05/18/2023 18:01	WG2062291
1,3,5-Trimethylbenzene	U	C3	0.0432	0.200	1	05/18/2023 18:01	WG2062291
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 18:01	WG2062291
Xylenes, Total	U		0.191	0.260	1	05/18/2023 18:01	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 18:01	WG2062291
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/18/2023 18:01	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 18:01	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 18:01	WG2062291
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 18:01	WG2062291
(S) Toluene-d8	*109*			*75.0-131*		*05/18/2023 18:01*	WG2062291
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/18/2023 18:01*	WG2062291
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/18/2023 18:01*	WG2062291

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	12700		594	5000	1	05/23/2023 02:17	WG2063729

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)	6150		102	1000	1	05/19/2023 00:35	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	6390		281	1000	10	05/24/2023 12:05	WG2060866
Manganese	1710		7.04	50.0	10	05/24/2023 12:05	WG2060866

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	21300		2.87	6.78	10	05/23/2023 16:08	WG2065249
Ethane	366		0.296	1.29	1	05/23/2023 12:43	WG2062915
Ethene	241		0.422	1.27	1	05/23/2023 12:43	WG2062915

Volatile 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	05/19/2023 05:57	WG2062690
Acrylonitrile	U		0.760	5.00	10	05/19/2023 05:57	WG2062690
Benzene	0.630		0.160	0.400	10	05/19/2023 05:57	WG2062690
Bromobenzene	U		0.420	5.00	10	05/19/2023 05:57	WG2062690
Bromodichloromethane	U		0.315	1.00	10	05/19/2023 05:57	WG2062690
Bromoform	U		2.39	10.0	10	05/19/2023 05:57	WG2062690
Bromomethane	U		1.48	5.00	10	05/19/2023 05:57	WG2062690
n-Butylbenzene	U	C3	1.53	5.00	10	05/19/2023 05:57	WG2062690
sec-Butylbenzene	U		1.01	5.00	10	05/19/2023 05:57	WG2062690
tert-Butylbenzene	U	C3	0.620	2.00	10	05/19/2023 05:57	WG2062690
Carbon tetrachloride	U		0.432	2.00	10	05/19/2023 05:57	WG2062690
Chlorobenzene	U		0.229	1.00	10	05/19/2023 05:57	WG2062690
Chlorodibromomethane	U		0.180	1.00	10	05/19/2023 05:57	WG2062690
Chloroethane	U		0.432	2.00	10	05/19/2023 05:57	WG2062690
Chloroform	U		0.166	1.00	10	05/19/2023 05:57	WG2062690
Chloromethane	U		0.556	5.00	10	05/19/2023 05:57	WG2062690
2-Chlorotoluene	U		0.368	1.00	10	05/19/2023 05:57	WG2062690
4-Chlorotoluene	U	C3	0.452	2.00	10	05/19/2023 05:57	WG2062690
1,2-Dibromo-3-Chloropropane	U		2.04	10.0	10	05/19/2023 05:57	WG2062690
1,2-Dibromoethane	U		0.210	1.00	10	05/19/2023 05:57	WG2062690
Dibromomethane	U		0.400	2.00	10	05/19/2023 05:57	WG2062690
1,2-Dichlorobenzene	U		0.580	2.00	10	05/19/2023 05:57	WG2062690
1,3-Dichlorobenzene	U		0.680	2.00	10	05/19/2023 05:57	WG2062690
1,4-Dichlorobenzene	U		0.788	2.00	10	05/19/2023 05:57	WG2062690
Dichlorodifluoromethane	U	C3	0.327	1.00	10	05/19/2023 05:57	WG2062690
1,1-Dichloroethane	U		0.230	1.00	10	05/19/2023 05:57	WG2062690
1,2-Dichloroethane	U		0.190	1.00	10	05/19/2023 05:57	WG2062690
1,1-Dichloroethene	U		0.200	1.00	10	05/19/2023 05:57	WG2062690
cis-1,2-Dichloroethene	11.1		0.276	1.00	10	05/19/2023 05:57	WG2062690
trans-1,2-Dichloroethene	U		0.572	2.00	10	05/19/2023 05:57	WG2062690
1,2-Dichloropropane	U		0.508	2.00	10	05/19/2023 05:57	WG2062690

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	05/19/2023 05:57	WG2062690
1,3-Dichloropropane	U		0.700	2.00	10	05/19/2023 05:57	WG2062690
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/19/2023 05:57	WG2062690
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/19/2023 05:57	WG2062690
2,2-Dichloropropane	U		0.317	1.00	10	05/19/2023 05:57	WG2062690
Di-isopropyl ether	U		0.140	0.400	10	05/19/2023 05:57	WG2062690
Ethylbenzene	U		0.212	1.00	10	05/19/2023 05:57	WG2062690
Hexachloro-1,3-butadiene	U	J4	5.08	10.0	10	05/19/2023 05:57	WG2062690
Isopropylbenzene	U		0.345	1.00	10	05/19/2023 05:57	WG2062690
p-Isopropyltoluene	U		0.932	2.00	10	05/19/2023 05:57	WG2062690
2-Butanone (MEK)	U	C3	5.00	10.0	10	05/19/2023 05:57	WG2062690
Methylene Chloride	U		2.65	10.0	10	05/19/2023 05:57	WG2062690
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/19/2023 05:57	WG2062690
Methyl tert-butyl ether	U		0.118	0.400	10	05/19/2023 05:57	WG2062690
Naphthalene	U		1.24	5.00	10	05/19/2023 05:57	WG2062690
n-Propylbenzene	U	C3	0.472	2.00	10	05/19/2023 05:57	WG2062690
Styrene	U		1.09	5.00	10	05/19/2023 05:57	WG2062690
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/19/2023 05:57	WG2062690
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/19/2023 05:57	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/19/2023 05:57	WG2062690
Tetrachloroethene	0.440	J	0.280	1.00	10	05/19/2023 05:57	WG2062690
Toluene	U		0.500	2.00	10	05/19/2023 05:57	WG2062690
1,2,3-Trichlorobenzene	U		0.250	5.00	10	05/19/2023 05:57	WG2062690
1,2,4-Trichlorobenzene	U	J4	1.93	5.00	10	05/19/2023 05:57	WG2062690
1,1,1-Trichloroethane	U		0.110	1.00	10	05/19/2023 05:57	WG2062690
1,1,2-Trichloroethane	U		0.353	1.00	10	05/19/2023 05:57	WG2062690
Trichloroethene	0.700		0.160	0.400	10	05/19/2023 05:57	WG2062690
Trichlorofluoromethane	U		0.200	1.00	10	05/19/2023 05:57	WG2062690
1,2,3-Trichloropropane	U		2.04	5.00	10	05/19/2023 05:57	WG2062690
1,2,4-Trimethylbenzene	U		0.464	2.00	10	05/19/2023 05:57	WG2062690
1,2,3-Trimethylbenzene	0.770	J	0.460	2.00	10	05/19/2023 05:57	WG2062690
1,3,5-Trimethylbenzene	1.11	J	0.432	2.00	10	05/19/2023 05:57	WG2062690
Vinyl chloride	183		0.273	1.00	10	05/19/2023 05:57	WG2062690
Xylenes, Total	U		1.91	2.60	10	05/19/2023 05:57	WG2062690
Ethyl Ether	U		0.170	1.00	10	05/19/2023 05:57	WG2062690
Tetrahydrofuran	U		0.900	5.00	10	05/19/2023 05:57	WG2062690
Iodomethane	U		2.42	5.00	10	05/19/2023 05:57	WG2062690
Allyl chloride	U		5.80	10.0	10	05/19/2023 05:57	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.560	2.00	10	05/19/2023 05:57	WG2062690
(S) Toluene-d8	*103*			*75.0-131*		*05/19/2023 05:57*	WG2062690
(S) 4-Bromofluorobenzene	*77.2*			*67.0-138*		*05/19/2023 05:57*	WG2062690
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/19/2023 05:57*	WG2062690

Volatile 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	05/19/2023 00:09	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 00:09	WG2062690
Benzene	0.0310	J	0.0160	0.0400	1	05/19/2023 00:09	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 00:09	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 00:09	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 00:09	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 00:09	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 00:09	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 00:09	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 00:09	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 00:09	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 00:09	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 00:09	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 00:09	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 00:09	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 00:09	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 00:09	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 00:09	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 00:09	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 00:09	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 00:09	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 00:09	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 00:09	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 00:09	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 00:09	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 00:09	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 00:09	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 00:09	WG2062690
cis-1,2-Dichloroethene	11.1		0.0276	0.100	1	05/19/2023 00:09	WG2062690
trans-1,2-Dichloroethene	0.802		0.0572	0.200	1	05/19/2023 00:09	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 00:09	WG2062690
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2023 00:09	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 00:09	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 00:09	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 00:09	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 00:09	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 00:09	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 00:09	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 00:09	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 00:09	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 00:09	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 00:09	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 00:09	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 00:09	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 00:09	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 00:09	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 00:09	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 00:09	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 00:09	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 00:09	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 00:09	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 00:09	WG2062690
Toluene	U		0.0500	0.200	1	05/19/2023 00:09	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 00:09	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 00:09	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 00:09	WG2062690

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 00:09	WG2062690
Trichloroethene	0.106		0.0160	0.0400	1	05/19/2023 00:09	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 00:09	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 00:09	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 00:09	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 00:09	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 00:09	WG2062690
Vinyl chloride	113		0.137	0.500	5	05/25/2023 03:45	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 00:09	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 00:09	WG2062690
Tetrahydrofuran	3.41		0.0900	0.500	1	05/19/2023 00:09	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 00:09	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 00:09	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 00:09	WG2062690
(S) Toluene-d8	*104*			*75.0-131*		*05/19/2023 00:09*	WG2062690
(S) Toluene-d8	*109*			*75.0-131*		*05/25/2023 03:45*	WG2065856
(S) 4-Bromofluorobenzene	*88.1*			*67.0-138*		*05/19/2023 00:09*	WG2062690
(S) 4-Bromofluorobenzene	*98.6*			*67.0-138*		*05/25/2023 03:45*	WG2065856
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/19/2023 00:09*	WG2062690
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*05/25/2023 03:45*	WG2065856

Method Blank (MB)

(MB) R3932060-1 05/22/23 21:39

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

L1616131-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1616131-09 05/23/23 00:14 • (DUP) R3932060-3 05/23/23 00:28

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	59700	59700	1	0.0963		15

L1616158-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1616158-05 05/23/23 05:55 • (DUP) R3932060-6 05/23/23 06:08

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	30300	30500	1	0.377		15

Laboratory Control Sample (LCS)

(LCS) R3932060-2 05/22/23 21:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	39600	99.0	80.0-120	

L1616131-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616131-09 05/23/23 00:14 • (MS) R3932060-4 05/23/23 00:42 • (MSD) R3932060-5 05/23/23 00:55

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	59700	107000	108000	95.2	96.2	1	80.0-120			0.488	15

L1616158-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1616158-05 05/23/23 05:55 • (MS) R3932060-7 05/23/23 06:21

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	50000	30300	77900	95.2	1	80.0-120	

Method Blank (MB)

(MB) R3927142-2 05/18/23 20:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	284	J	102	1000

L1615692-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1615692-11 05/18/23 21:48 • (DUP) R3927142-3 05/18/23 22:07

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	3680	3600	1	2.25		20

L1616156-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1616156-05 05/19/23 04:03 • (DUP) R3927142-6 05/19/23 04:24

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	14400	14000	1	2.40		20

Laboratory Control Sample (LCS)

(LCS) R3927142-1 05/18/23 16:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	74300	99.0	85.0-115	

L1616149-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616149-07 05/18/23 23:09 • (MS) R3927142-4 05/18/23 23:32 • (MSD) R3927142-5 05/18/23 23:55

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 %
TOC (Total Organic Carbon)	50000	7570	50600	57400	86.1	99.6	1	80.0-120			12.5	20

L1616158-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616158-01 05/19/23 04:43 • (MS) R3927142-7 05/19/23 05:06 • (MSD) R3927142-8 05/19/23 05:29

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 %
TOC (Total Organic Carbon)	50000	10200	57400	58800	94.5	97.2	1	80.0-120			2.34	20

Method Blank (MB)

(MB) R3928479-1 05/23/23 18:17

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

Laboratory Control Sample (LCS)

(LCS) R3928479-2 05/23/23 18:20

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	1000	989	98.9	80.0-120	
Manganese	50.0	48.8	97.5	80.0-120	

L1616131-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616131-09 05/23/23 18:24 • (MS) R3928479-4 05/23/23 18:30 • (MSD) R3928479-5 05/23/23 18:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	1000	647	1600	1800	95.5	116	1	75.0-125			11.9	20

Method Blank (MB)

(MB) R3925713-1 05/16/23 20:08

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

Laboratory Control Sample (LCS)

(LCS) R3925713-2 05/16/23 20:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	1000	982	98.2	80.0-120	
Manganese	50.0	50.3	101	80.0-120	

L1615749-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1615749-01 05/16/23 20:15 • (MS) R3925713-4 05/16/23 20:21 • (MSD) R3925713-5 05/16/23 20:25

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	1000	25000	26000	28800	102	378	1	75.0-125		V	10.1	20
Manganese	50.0	3590	3720	3760	260	326	1	75.0-125	V	V	0.878	20

Method Blank (MB)

(MB) R3928254-2 05/23/23 11:21

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

L1616087-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1616087-06 05/23/23 11:51 • (DUP) R3928254-3 05/23/23 11:53

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

L1616151-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1616151-01 05/23/23 12:46 • (DUP) R3928254-4 05/23/23 13:14

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) R3928254-1 05/23/23 11:16 • (LCSD) R3928254-7 05/23/23 13:24

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	72.6	68.9	107	102	85.0-115			5.23	20
Ethane	129	116	115	89.9	89.1	85.0-115			0.866	20
Ethene	127	117	117	92.1	92.1	85.0-115			0.000	20

L1616087-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616087-05 05/23/23 11:45 • (MS) R3928254-5 05/23/23 13:17 • (MSD) R3928254-6 05/23/23 13:20

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 %
Methane	67.8	U	88.4	91.8	130	135	1	85.0-115	J5	J5	3.77	20
Ethane	129	U	148	150	115	116	1	85.0-115		J5	1.34	20
Ethene	127	U	150	152	118	120	1	85.0-115	J5	J5	1.32	20

Method Blank (MB)

(MB) R3928400-2 05/23/23 15:59

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

L1616151-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1616151-02 05/23/23 16:11 • (DUP) R3928400-3 05/23/23 16:30

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	14100	15400	10	8.81		20

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

(LCS) R3928400-1 05/23/23 15:56 • (LCSD) R3928400-4 05/23/23 16:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	65.0	64.1	95.9	94.5	85.0-115			1.39	20

Method Blank (MB)

(MB) R3927309-2 05/18/23 10:47

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

Method Blank (MB)

(MB) R3927309-2 05/18/23 10:47

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	0.748		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	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3927309-1 05/18/23 09:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	20.0	80.0	10.0-160	
Acrylonitrile	25.0	25.9	104	45.0-153	
Benzene	5.00	4.49	89.8	70.0-123	
Bromobenzene	5.00	4.28	85.6	73.0-121	
Bromodichloromethane	5.00	4.33	86.6	73.0-121	
Bromoform	5.00	4.06	81.2	64.0-132	
Bromomethane	5.00	4.68	93.6	56.0-147	
n-Butylbenzene	5.00	4.15	83.0	68.0-135	
sec-Butylbenzene	5.00	4.22	84.4	74.0-130	
tert-Butylbenzene	5.00	4.17	83.4	75.0-127	
Carbon tetrachloride	5.00	4.65	93.0	66.0-128	
Chlorobenzene	5.00	4.61	92.2	76.0-128	
Chlorodibromomethane	5.00	4.21	84.2	74.0-127	
Chloroethane	5.00	4.76	95.2	61.0-134	
Chloroform	5.00	4.69	93.8	72.0-123	
Chloromethane	5.00	4.62	92.4	51.0-138	
2-Chlorotoluene	5.00	3.93	78.6	75.0-124	
4-Chlorotoluene	5.00	3.79	75.8	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	3.59	71.8	59.0-130	
1,2-Dibromoethane	5.00	4.62	92.4	74.0-128	
Dibromomethane	5.00	4.98	99.6	75.0-122	
1,2-Dichlorobenzene	5.00	4.28	85.6	76.0-124	
1,3-Dichlorobenzene	5.00	4.12	82.4	76.0-125	
1,4-Dichlorobenzene	5.00	4.08	81.6	77.0-121	
Dichlorodifluoromethane	5.00	4.82	96.4	43.0-156	
1,1-Dichloroethane	5.00	4.74	94.8	70.0-127	
1,2-Dichloroethane	5.00	4.41	88.2	65.0-131	
1,1-Dichloroethene	5.00	4.70	94.0	65.0-131	
cis-1,2-Dichloroethene	5.00	4.87	97.4	73.0-125	
trans-1,2-Dichloroethene	5.00	4.40	88.0	71.0-125	
1,2-Dichloropropane	5.00	4.33	86.6	74.0-125	
1,1-Dichloropropene	5.00	4.81	96.2	73.0-125	
1,3-Dichloropropane	5.00	4.42	88.4	80.0-125	
cis-1,3-Dichloropropene	5.00	4.38	87.6	76.0-127	
trans-1,3-Dichloropropene	5.00	4.09	81.8	73.0-127	
2,2-Dichloropropane	5.00	4.73	94.6	59.0-135	
Di-isopropyl ether	5.00	4.79	95.8	60.0-136	
Ethylbenzene	5.00	4.73	94.6	74.0-126	
Hexachloro-1,3-butadiene	5.00	4.83	96.6	57.0-150	
Isopropylbenzene	5.00	4.15	83.0	72.0-127	

Laboratory Control Sample (LCS)

(LCS) R3927309-1 05/18/23 09:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
p-Isopropyltoluene	5.00	4.14	82.8	72.0-133	
2-Butanone (MEK)	25.0	23.4	93.6	30.0-160	
Methylene Chloride	5.00	5.51	110	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	24.3	97.2	56.0-143	
Methyl tert-butyl ether	5.00	4.23	84.6	66.0-132	
Naphthalene	5.00	3.72	74.4	59.0-130	
n-Propylbenzene	5.00	3.96	79.2	74.0-126	
Styrene	5.00	4.21	84.2	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.08	81.6	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	4.16	83.2	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.75	95.0	61.0-139	
Tetrachloroethene	5.00	5.03	101	70.0-136	
Toluene	5.00	4.59	91.8	75.0-121	
1,2,3-Trichlorobenzene	5.00	4.24	84.8	59.0-139	
1,2,4-Trichlorobenzene	5.00	4.28	85.6	62.0-137	
1,1,1-Trichloroethane	5.00	4.90	98.0	69.0-126	
1,1,2-Trichloroethane	5.00	4.59	91.8	78.0-123	
Trichloroethene	5.00	4.92	98.4	76.0-126	
Trichlorofluoromethane	5.00	5.39	108	61.0-142	
1,2,3-Trichloropropane	5.00	4.34	86.8	67.0-129	
1,2,4-Trimethylbenzene	5.00	3.85	77.0	70.0-126	
1,2,3-Trimethylbenzene	5.00	3.92	78.4	74.0-124	
1,3,5-Trimethylbenzene	5.00	3.91	78.2	73.0-127	
Vinyl chloride	5.00	4.94	98.8	63.0-134	
Xylenes, Total	15.0	13.2	88.0	72.0-127	
Ethyl Ether	5.00	4.81	96.2	64.0-137	
Tetrahydrofuran	5.00	3.21	64.2	37.0-146	
Iodomethane	25.0	24.7	98.8	74.0-134	
Allyl chloride	25.0	23.6	94.4	70.0-131	
Trans-1,4-Dichloro-2-butene	5.00	3.69	73.8	45.0-143	
(S) Toluene-d8			*108*	*75.0-131*	
(S) 4-Bromofluorobenzene			*99.5*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*102*	*70.0-130*	

Method Blank (MB)

(MB) R3928738-2 05/18/23 21:57

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

Method Blank (MB)

(MB) R3928738-2 05/18/23 21:57

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	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*82.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3928738-1 05/18/23 20:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	22.0	88.0	10.0-160	
Acrylonitrile	25.0	26.2	105	45.0-153	
Benzene	5.00	4.16	83.2	70.0-123	
Bromobenzene	5.00	4.76	95.2	73.0-121	
Bromodichloromethane	5.00	4.56	91.2	73.0-121	
Bromoform	5.00	5.70	114	64.0-132	
Bromomethane	5.00	4.78	95.6	56.0-147	
n-Butylbenzene	5.00	3.90	78.0	68.0-135	
sec-Butylbenzene	5.00	4.15	83.0	74.0-130	
tert-Butylbenzene	5.00	3.90	78.0	75.0-127	
Carbon tetrachloride	5.00	5.18	104	66.0-128	
Chlorobenzene	5.00	4.91	98.2	76.0-128	
Chlorodibromomethane	5.00	5.24	105	74.0-127	
Chloroethane	5.00	4.89	97.8	61.0-134	
Chloroform	5.00	4.51	90.2	72.0-123	
Chloromethane	5.00	5.76	115	51.0-138	
2-Chlorotoluene	5.00	4.76	95.2	75.0-124	
4-Chlorotoluene	5.00	3.85	77.0	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	5.26	105	59.0-130	
1,2-Dibromoethane	5.00	4.86	97.2	74.0-128	
Dibromomethane	5.00	4.48	89.6	75.0-122	
1,2-Dichlorobenzene	5.00	4.93	98.6	76.0-124	
1,3-Dichlorobenzene	5.00	5.24	105	76.0-125	
1,4-Dichlorobenzene	5.00	4.71	94.2	77.0-121	
Dichlorodifluoromethane	5.00	3.67	73.4	43.0-156	
1,1-Dichloroethane	5.00	4.67	93.4	70.0-127	
1,2-Dichloroethane	5.00	4.98	99.6	65.0-131	
1,1-Dichloroethene	5.00	4.73	94.6	65.0-131	
cis-1,2-Dichloroethene	5.00	4.21	84.2	73.0-125	
trans-1,2-Dichloroethene	5.00	4.27	85.4	71.0-125	
1,2-Dichloropropane	5.00	4.71	94.2	74.0-125	
1,1-Dichloropropene	5.00	4.56	91.2	73.0-125	
1,3-Dichloropropane	5.00	4.49	89.8	80.0-125	
cis-1,3-Dichloropropene	5.00	4.50	90.0	76.0-127	
trans-1,3-Dichloropropene	5.00	4.40	88.0	73.0-127	
2,2-Dichloropropane	5.00	4.48	89.6	59.0-135	
Di-isopropyl ether	5.00	4.90	98.0	60.0-136	
Ethylbenzene	5.00	4.51	90.2	74.0-126	
Hexachloro-1,3-butadiene	5.00	7.93	159	57.0-150	J4
Isopropylbenzene	5.00	4.40	88.0	72.0-127	

Laboratory Control Sample (LCS)

(LCS) R3928738-1 05/18/23 20:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
p-Isopropyltoluene	5.00	4.23	84.6	72.0-133	
2-Butanone (MEK)	25.0	19.1	76.4	30.0-160	
Methylene Chloride	5.00	4.46	89.2	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	27.0	108	56.0-143	
Methyl tert-butyl ether	5.00	4.19	83.8	66.0-132	
Naphthalene	5.00	4.27	85.4	59.0-130	
n-Propylbenzene	5.00	3.75	75.0	74.0-126	
Styrene	5.00	4.18	83.6	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	5.52	110	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	4.02	80.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.15	83.0	61.0-139	
Tetrachloroethene	5.00	5.67	113	70.0-136	
Toluene	5.00	4.61	92.2	75.0-121	
1,2,3-Trichlorobenzene	5.00	6.31	126	59.0-139	
1,2,4-Trichlorobenzene	5.00	7.00	140	62.0-137	J4
1,1,1-Trichloroethane	5.00	4.78	95.6	69.0-126	
1,1,2-Trichloroethane	5.00	4.39	87.8	78.0-123	
Trichloroethene	5.00	5.33	107	76.0-126	
Trichlorofluoromethane	5.00	4.75	95.0	61.0-142	
1,2,3-Trichloropropane	5.00	4.66	93.2	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.21	84.2	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.18	83.6	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.04	80.8	73.0-127	
Vinyl chloride	5.00	4.87	97.4	63.0-134	
Xylenes, Total	15.0	14.0	93.3	72.0-127	
Ethyl Ether	5.00	4.60	92.0	64.0-137	
Tetrahydrofuran	5.00	4.04	80.8	37.0-146	
Iodomethane	25.0	25.8	103	74.0-134	
Allyl chloride	25.0	20.8	83.2	70.0-131	
Trans-1,4-Dichloro-2-butene	5.00	2.93	58.6	45.0-143	
(S) Toluene-d8			*96.4*	*75.0-131*	
(S) 4-Bromofluorobenzene			*85.1*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*114*	*70.0-130*	

Method Blank (MB)

(MB) R3927867-3 05/21/23 21:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*82.7*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*

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

(LCS) R3927867-1 05/21/23 19:59 • (LCSD) R3927867-2 05/21/23 20:18

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	4.45	4.66	89.0	93.2	73.0-125			4.61	20
Tetrachloroethene	5.00	5.45	5.77	109	115	70.0-136			5.70	20
Trichloroethene	5.00	5.15	5.32	103	106	76.0-126			3.25	20
Vinyl chloride	5.00	4.18	4.33	83.6	86.6	63.0-134			3.53	20
(S) Toluene-d8				*95.6*	*96.9*	*75.0-131*				
(S) 4-Bromofluorobenzene				*86.0*	*91.5*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*117*	*117*	*70.0-130*				

Method Blank (MB)

(MB) R3929801-2 05/24/23 22:55

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	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3929801-1 05/24/23 22:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Vinyl chloride	5.00	4.23	84.6	63.0-134	
(S) Toluene-d8			*110*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.7*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*102*	*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
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.
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.
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	LAO000356
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

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Rachel.McLaughlin@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 #
443022-1413001.10.701.002

Lab Project #
PESENVSWA-ALP

Collected by (print):
Osmin M.

Site/Facility ID #

P.O. # 443022-1413001.10.701
~~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 #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl					Remarks	Sample # (lab only)
MW-188-051223	G	GW	—	5/12/23	937	3						X						-01
MW-190-051223		GW	—		1054	3						X						-02
MW102-051223		GW	—		1158	3						X						-03
MW-185A-051223		GW	—		1311	3						X						-04
MW120-051223		GW	—		1406	3						X						-05
MW109-051223		GW	—		1522	3						X						-06
MW-156-051223		GW	—		1453	9	X	X	X	X	X	X						-07
MW124-051223		GW	—		1327	3						X						-08
MW153-051223		GW	—		1231	3						X						-09
MW147-051223		GW	—		0933	9	X	X	X	X	X	X						-10

Chain of Custody Page ___ of ___

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 # L1161614

B210

Table #

Acctnum: PESWA

Template: T229085

Prelogin: P994911

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 __ 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:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	Sample Receipt Checklist
	5/12/23	1700			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1 °C Bottles Received: 66	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5.13.23 Time: 9.15	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

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Rachel.McLaughlin@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 #
443022-1413001.10.701.002

Lab Project #
PESENVSWA-ALP

Collected by (print):

Site/Facility ID #

P.O. # 443022-1413001.10.403
~~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	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl					Remarks	Sample # (lab only)
MW154-051223	G	GW	—	051223	1143	3						X						-11
MW-146-051223	↓	GW	—	↓	1051	9						X						-12
MW-987-051223	↓	GW	—	↓	1200	9						X						-13
		GW																
		GW																
		GW																
		GW																
		GW																
		GW																
		GW																

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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 # L1616149

Table #

Acctnum: **PESENVSWA**
Template: **T229085**
Prelogin: **P994911**
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 __ 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:	Time:	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:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5.13.23 Time: 9:15	Hold: Condition: NCF / OK
	5/12/23	1700			

LL616149

Tracking Numbers	Temperature
6337 2246 8547	NSA7 3.0+0=3.0
6337 2246 8591	NSA7 4.8+0=4.8
6337 2246 8570	NSA7 4.7+0=4.7
6337 2246 8580	NSA7 5.1+0=5.1

ANALYTICAL REPORT

June 02, 2023

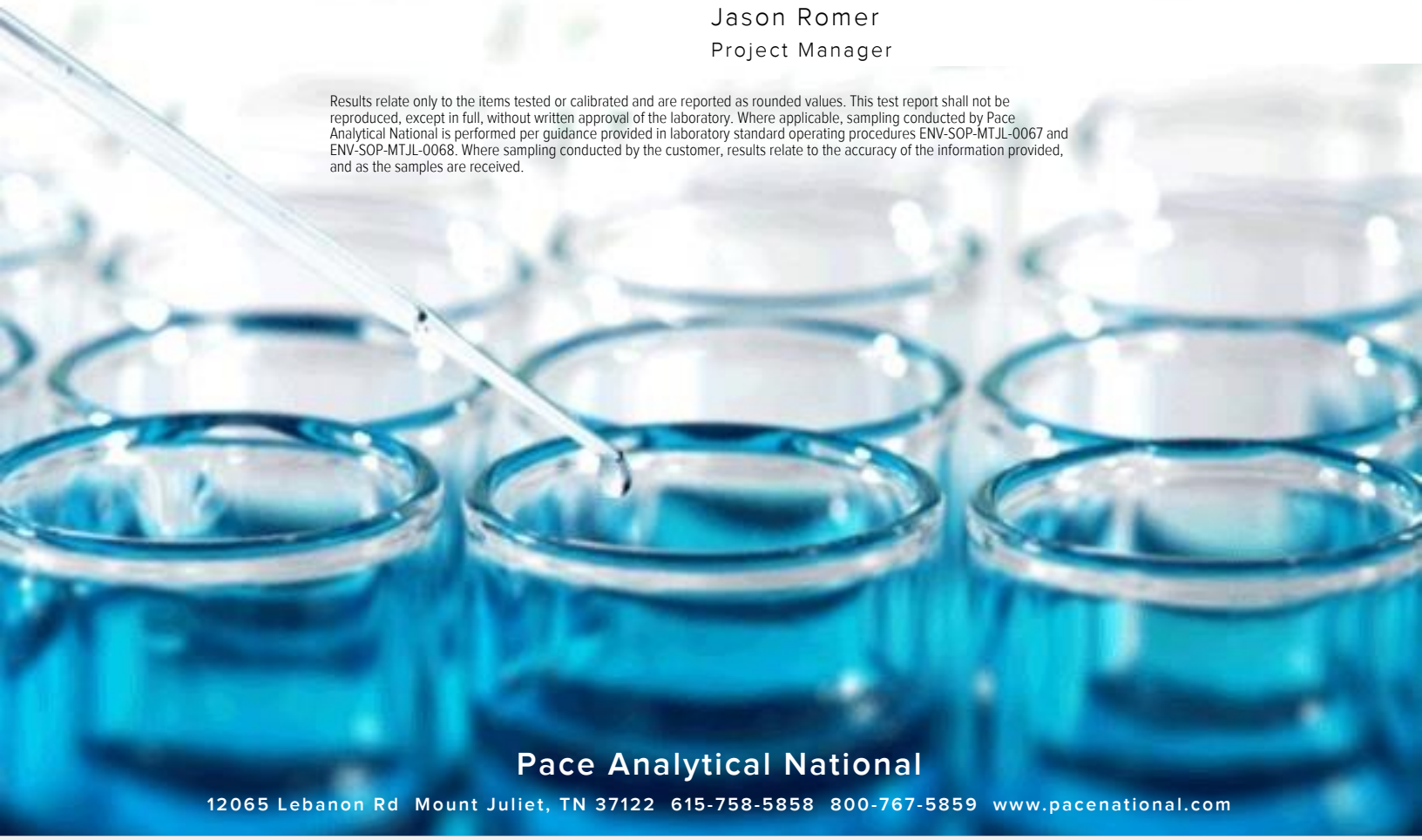
PES Environmental, Inc.- WA

Sample Delivery Group:	L1616156
Samples Received:	05/13/2023
Project Number:	443022
Description:	American Linen -443022-1413001.10.701.02

Report To: Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:

Jason Romer
Project Manager



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

TABLE OF CONTENTS

MW-170-051123 L1616156-01 GW

Collected by: NEW | Collected date/time: 05/11/23 11:21 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063729	1	05/23/23 03:25	05/23/23 03:25	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 02:41	05/19/23 02:41	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060150	1	05/18/23 08:09	05/23/23 20:07	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2062915	1	05/23/23 12:52	05/23/23 12:52	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065249	10	05/23/23 16:15	05/23/23 16:15	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 00:28	05/19/23 00:28	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2065856	250	05/25/23 04:06	05/25/23 04:06	DWR	Mt. Juliet, TN

MW-187-051123 L1616156-02 GW

Collected by: NEW | Collected date/time: 05/11/23 09:05 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063729	1	05/23/23 03:39	05/23/23 03:39	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 03:00	05/19/23 03:00	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060150	1	05/18/23 08:09	05/23/23 20:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2062915	1	05/23/23 13:00	05/23/23 13:00	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065249	10	05/23/23 16:19	05/23/23 16:19	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 00:48	05/19/23 00:48	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2065856	1	05/25/23 00:33	05/25/23 00:33	DWR	Mt. Juliet, TN

MW-186-051123 L1616156-03 GW

Collected by: NEW | Collected date/time: 05/11/23 11:02 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063729	1	05/23/23 03:53	05/23/23 03:53	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 03:20	05/19/23 03:20	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060150	1	05/18/23 08:09	05/23/23 20:13	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2062915	1	05/23/23 13:07	05/23/23 13:07	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065249	10	05/23/23 16:23	05/23/23 16:23	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 01:07	05/19/23 01:07	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2065856	1	05/25/23 00:54	05/25/23 00:54	DWR	Mt. Juliet, TN

MW-185-051123 L1616156-04 GW

Collected by: NEW | Collected date/time: 05/11/23 09:54 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063729	1	05/23/23 04:06	05/23/23 04:06	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 03:42	05/19/23 03:42	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060150	1	05/18/23 08:09	05/23/23 20:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2062915	1	05/23/23 13:11	05/23/23 13:11	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065249	10	05/23/23 16:27	05/23/23 16:27	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 01:26	05/19/23 01:26	GLN	Mt. Juliet, TN

MW-169-051123 L1616156-05 GW

Collected by: NEW | Collected date/time: 05/11/23 09:37 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063729	1	05/23/23 04:20	05/23/23 04:20	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 04:03	05/19/23 04:03	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060150	1	05/18/23 08:09	05/23/23 20:20	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065629	1	05/25/23 10:23	05/25/23 10:23	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2066702	10	05/25/23 13:56	05/25/23 13:56	BAW	Mt. Juliet, TN

MW-169-051123 L1616156-05 GW

Collected by	Collected date/time	Received date/time
NEW	05/11/23 09:37	05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 01:45	05/19/23 01:45	GLN	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

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	3890	J	594	5000	1	05/23/2023 03:25	WG2063729

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	15500		102	1000	1	05/19/2023 02:41	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	4890		28.1	100	1	05/23/2023 20:07	WG2060150
Manganese	1370		0.704	5.00	1	05/23/2023 20:07	WG2060150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	23500		2.87	6.78	10	05/23/2023 16:15	WG2065249
Ethane	148		0.296	1.29	1	05/23/2023 12:52	WG2062915
Ethene	2060		0.422	1.27	1	05/23/2023 12:52	WG2062915

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/19/2023 00:28	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 00:28	WG2062690
Benzene	0.125		0.0160	0.0400	1	05/19/2023 00:28	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 00:28	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 00:28	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 00:28	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 00:28	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 00:28	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 00:28	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 00:28	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 00:28	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 00:28	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 00:28	WG2062690
Chloroethane	16.1		0.0432	0.200	1	05/19/2023 00:28	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 00:28	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 00:28	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 00:28	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 00:28	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 00:28	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 00:28	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 00:28	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 00:28	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 00:28	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 00:28	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 00:28	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 00:28	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 00:28	WG2062690
1,1-Dichloroethene	15.5		0.0200	0.100	1	05/19/2023 00:28	WG2062690
cis-1,2-Dichloroethene	4650		6.90	25.0	250	05/25/2023 04:06	WG2065856
trans-1,2-Dichloroethene	239		14.3	50.0	250	05/25/2023 04:06	WG2065856
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 00:28	WG2062690

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		0.0280	0.100	1	05/19/2023 00:28	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 00:28	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 00:28	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 00:28	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 00:28	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 00:28	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 00:28	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 00:28	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 00:28	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 00:28	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 00:28	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 00:28	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 00:28	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 00:28	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 00:28	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 00:28	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 00:28	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 00:28	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 00:28	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 00:28	WG2062690
Tetrachloroethene	0.0640	J	0.0280	0.100	1	05/19/2023 00:28	WG2062690
Toluene	0.220		0.0500	0.200	1	05/19/2023 00:28	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 00:28	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 00:28	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 00:28	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 00:28	WG2062690
Trichloroethene	1.78		0.0160	0.0400	1	05/19/2023 00:28	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 00:28	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 00:28	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 00:28	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 00:28	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 00:28	WG2062690
Vinyl chloride	12800		6.82	25.0	250	05/25/2023 04:06	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 00:28	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 00:28	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 00:28	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 00:28	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 00:28	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 00:28	WG2062690
(S) Toluene-d8	*104*			*75.0-131*		*05/19/2023 00:28*	WG2062690
(S) Toluene-d8	*109*			*75.0-131*		*05/25/2023 04:06*	WG2065856
(S) 4-Bromofluorobenzene	*86.7*			*67.0-138*		*05/19/2023 00:28*	WG2062690
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*05/25/2023 04:06*	WG2065856
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*05/19/2023 00:28*	WG2062690
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*05/25/2023 04:06*	WG2065856

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	644	J	594	5000	1	05/23/2023 03:39	WG2063729

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	8700		102	1000	1	05/19/2023 03:00	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	4300		28.1	100	1	05/23/2023 20:10	WG2060150
Manganese	1080		0.704	5.00	1	05/23/2023 20:10	WG2060150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	20100		2.87	6.78	10	05/23/2023 16:19	WG2065249
Ethane	385		0.296	1.29	1	05/23/2023 13:00	WG2062915
Ethene	2.22		0.422	1.27	1	05/23/2023 13:00	WG2062915

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/19/2023 00:48	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 00:48	WG2062690
Benzene	U		0.0160	0.0400	1	05/19/2023 00:48	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 00:48	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 00:48	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 00:48	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 00:48	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 00:48	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 00:48	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 00:48	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 00:48	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 00:48	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 00:48	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 00:48	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 00:48	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 00:48	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 00:48	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 00:48	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 00:48	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 00:48	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 00:48	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 00:48	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 00:48	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 00:48	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 00:48	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 00:48	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 00:48	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 00:48	WG2062690
cis-1,2-Dichloroethene	0.0930	J	0.0276	0.100	1	05/25/2023 00:33	WG2065856
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/19/2023 00:48	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 00:48	WG2062690

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		0.0280	0.100	1	05/19/2023 00:48	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 00:48	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 00:48	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 00:48	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 00:48	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 00:48	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 00:48	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 00:48	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 00:48	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 00:48	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 00:48	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 00:48	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 00:48	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 00:48	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 00:48	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 00:48	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 00:48	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 00:48	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 00:48	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 00:48	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 00:48	WG2062690
Toluene	0.253		0.0500	0.200	1	05/19/2023 00:48	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 00:48	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 00:48	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 00:48	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 00:48	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/19/2023 00:48	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 00:48	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 00:48	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 00:48	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 00:48	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 00:48	WG2062690
Vinyl chloride	0.156		0.0273	0.100	1	05/25/2023 00:33	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 00:48	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 00:48	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 00:48	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 00:48	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 00:48	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 00:48	WG2062690
(S) Toluene-d8	*98.1*			*75.0-131*		*05/19/2023 00:48*	WG2062690
(S) Toluene-d8	*111*			*75.0-131*		*05/25/2023 00:33*	WG2065856
(S) 4-Bromofluorobenzene	*77.4*			*67.0-138*		*05/19/2023 00:48*	WG2062690
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/25/2023 00:33*	WG2065856
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*05/19/2023 00:48*	WG2062690
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/25/2023 00:33*	WG2065856

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	05/23/2023 03:53	WG2063729

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)	16600		102	1000	1	05/19/2023 03:20	WG2062032

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	05/23/2023 20:13	WG2060150
Manganese	2260		0.704	5.00	1	05/23/2023 20:13	WG2060150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	37400		2.87	6.78	10	05/23/2023 16:23	WG2065249
Ethane	186		0.296	1.29	1	05/23/2023 13:07	WG2062915
Ethene	3.18		0.422	1.27	1	05/23/2023 13:07	WG2062915

Volatile 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	05/19/2023 01:07	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 01:07	WG2062690
Benzene	0.0320	J	0.0160	0.0400	1	05/19/2023 01:07	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 01:07	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 01:07	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 01:07	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 01:07	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 01:07	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 01:07	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 01:07	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 01:07	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 01:07	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 01:07	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 01:07	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 01:07	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 01:07	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 01:07	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 01:07	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 01:07	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 01:07	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 01:07	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 01:07	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 01:07	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 01:07	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 01:07	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 01:07	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 01:07	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 01:07	WG2062690
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/19/2023 01:07	WG2062690
trans-1,2-Dichloroethene	0.628		0.0572	0.200	1	05/19/2023 01:07	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 01:07	WG2062690

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		0.0280	0.100	1	05/19/2023 01:07	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 01:07	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 01:07	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 01:07	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 01:07	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 01:07	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 01:07	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 01:07	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 01:07	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 01:07	WG2062690
2-Butanone (MEK)	3.14	C3	0.500	1.00	1	05/19/2023 01:07	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 01:07	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 01:07	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 01:07	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 01:07	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 01:07	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 01:07	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 01:07	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 01:07	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 01:07	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 01:07	WG2062690
Toluene	0.245		0.0500	0.200	1	05/19/2023 01:07	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 01:07	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 01:07	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 01:07	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 01:07	WG2062690
Trichloroethene	0.0870		0.0160	0.0400	1	05/19/2023 01:07	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 01:07	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 01:07	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 01:07	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 01:07	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 01:07	WG2062690
Vinyl chloride	0.0750	J	0.0273	0.100	1	05/25/2023 00:54	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 01:07	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 01:07	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 01:07	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 01:07	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 01:07	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 01:07	WG2062690
(S) Toluene-d8	*107*			*75.0-131*		*05/19/2023 01:07*	WG2062690
(S) Toluene-d8	*108*			*75.0-131*		*05/25/2023 00:54*	WG2065856
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*05/19/2023 01:07*	WG2062690
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/25/2023 00:54*	WG2065856
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/19/2023 01:07*	WG2062690
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/25/2023 00:54*	WG2065856

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	05/23/2023 04:06	WG2063729

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)	57900		102	1000	1	05/19/2023 03:42	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	35700		28.1	100	1	05/23/2023 20:17	WG2060150
Manganese	2880		0.704	5.00	1	05/23/2023 20:17	WG2060150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	23700		2.87	6.78	10	05/23/2023 16:27	WG2065249
Ethane	92.1		0.296	1.29	1	05/23/2023 13:11	WG2062915
Ethene	24.7		0.422	1.27	1	05/23/2023 13:11	WG2062915

Volatile 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		0.548	1.00	1	05/19/2023 01:26	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 01:26	WG2062690
Benzene	U		0.0160	0.0400	1	05/19/2023 01:26	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 01:26	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 01:26	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 01:26	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 01:26	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 01:26	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 01:26	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 01:26	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 01:26	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 01:26	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 01:26	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 01:26	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 01:26	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 01:26	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 01:26	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 01:26	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 01:26	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 01:26	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 01:26	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 01:26	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 01:26	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 01:26	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 01:26	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 01:26	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 01:26	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 01:26	WG2062690
cis-1,2-Dichloroethene	1.78		0.0276	0.100	1	05/19/2023 01:26	WG2062690
trans-1,2-Dichloroethene	0.198	J	0.0572	0.200	1	05/19/2023 01:26	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 01:26	WG2062690

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		0.0280	0.100	1	05/19/2023 01:26	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 01:26	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 01:26	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 01:26	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 01:26	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 01:26	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 01:26	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 01:26	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 01:26	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 01:26	WG2062690
2-Butanone (MEK)	15.2	C3	0.500	1.00	1	05/19/2023 01:26	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 01:26	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 01:26	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 01:26	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 01:26	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 01:26	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 01:26	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 01:26	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 01:26	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 01:26	WG2062690
Tetrachloroethene	0.0490	J	0.0280	0.100	1	05/19/2023 01:26	WG2062690
Toluene	0.238		0.0500	0.200	1	05/19/2023 01:26	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 01:26	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 01:26	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 01:26	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 01:26	WG2062690
Trichloroethene	0.128		0.0160	0.0400	1	05/19/2023 01:26	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 01:26	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 01:26	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 01:26	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 01:26	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 01:26	WG2062690
Vinyl chloride	8.59		0.0273	0.100	1	05/19/2023 01:26	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/19/2023 01:26	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 01:26	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 01:26	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 01:26	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 01:26	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 01:26	WG2062690
(S) Toluene-d8	*106*			*75.0-131*		*05/19/2023 01:26*	WG2062690
(S) 4-Bromofluorobenzene	*93.9*			*67.0-138*		*05/19/2023 01:26*	WG2062690
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*05/19/2023 01:26*	WG2062690

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	1220	J	594	5000	1	05/23/2023 04:20	WG2063729

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	14400		102	1000	1	05/19/2023 04:03	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	7080		28.1	100	1	05/23/2023 20:20	WG2060150
Manganese	811		0.704	5.00	1	05/23/2023 20:20	WG2060150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	22000		2.87	6.78	10	05/25/2023 13:56	WG2066702
Ethane	164		0.296	1.29	1	05/25/2023 10:23	WG2065629
Ethene	3.37		0.422	1.27	1	05/25/2023 10:23	WG2065629

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/19/2023 01:45	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 01:45	WG2062690
Benzene	0.0810		0.0160	0.0400	1	05/19/2023 01:45	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 01:45	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 01:45	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 01:45	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 01:45	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 01:45	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 01:45	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 01:45	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 01:45	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 01:45	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 01:45	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 01:45	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 01:45	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 01:45	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 01:45	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 01:45	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 01:45	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 01:45	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 01:45	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 01:45	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 01:45	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 01:45	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 01:45	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 01:45	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 01:45	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 01:45	WG2062690
cis-1,2-Dichloroethene	0.144		0.0276	0.100	1	05/19/2023 01:45	WG2062690
trans-1,2-Dichloroethene	0.276		0.0572	0.200	1	05/19/2023 01:45	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 01:45	WG2062690

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		0.0280	0.100	1	05/19/2023 01:45	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 01:45	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 01:45	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 01:45	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 01:45	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 01:45	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 01:45	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 01:45	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 01:45	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 01:45	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 01:45	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 01:45	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 01:45	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 01:45	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 01:45	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 01:45	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 01:45	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 01:45	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 01:45	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 01:45	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 01:45	WG2062690
Toluene	0.104	J	0.0500	0.200	1	05/19/2023 01:45	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 01:45	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 01:45	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 01:45	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 01:45	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/19/2023 01:45	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 01:45	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 01:45	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 01:45	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 01:45	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 01:45	WG2062690
Vinyl chloride	4.82		0.0273	0.100	1	05/19/2023 01:45	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/19/2023 01:45	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 01:45	WG2062690
Tetrahydrofuran	2.28		0.0900	0.500	1	05/19/2023 01:45	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 01:45	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 01:45	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 01:45	WG2062690
(S) Toluene-d8	*103*			*75.0-131*		*05/19/2023 01:45*	WG2062690
(S) 4-Bromofluorobenzene	*94.0*			*67.0-138*		*05/19/2023 01:45*	WG2062690
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*05/19/2023 01:45*	WG2062690

Method Blank (MB)

(MB) R3932060-1 05/22/23 21:39

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

L1616131-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1616131-09 05/23/23 00:14 • (DUP) R3932060-3 05/23/23 00:28

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	59700	59700	1	0.0963		15

L1616158-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1616158-05 05/23/23 05:55 • (DUP) R3932060-6 05/23/23 06:08

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	30300	30500	1	0.377		15

Laboratory Control Sample (LCS)

(LCS) R3932060-2 05/22/23 21:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	39600	99.0	80.0-120	

L1616131-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616131-09 05/23/23 00:14 • (MS) R3932060-4 05/23/23 00:42 • (MSD) R3932060-5 05/23/23 00:55

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	59700	107000	108000	95.2	96.2	1	80.0-120			0.488	15

L1616158-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1616158-05 05/23/23 05:55 • (MS) R3932060-7 05/23/23 06:21

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	50000	30300	77900	95.2	1	80.0-120	

Method Blank (MB)

(MB) R3927142-2 05/18/23 20:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	284	J	102	1000

L1615692-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1615692-11 05/18/23 21:48 • (DUP) R3927142-3 05/18/23 22:07

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	3680	3600	1	2.25		20

L1616156-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1616156-05 05/19/23 04:03 • (DUP) R3927142-6 05/19/23 04:24

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	14400	14000	1	2.40		20

Laboratory Control Sample (LCS)

(LCS) R3927142-1 05/18/23 16:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	74300	99.0	85.0-115	

L1616149-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616149-07 05/18/23 23:09 • (MS) R3927142-4 05/18/23 23:32 • (MSD) R3927142-5 05/18/23 23:55

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 %
TOC (Total Organic Carbon)	50000	7570	50600	57400	86.1	99.6	1	80.0-120			12.5	20

L1616158-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616158-01 05/19/23 04:43 • (MS) R3927142-7 05/19/23 05:06 • (MSD) R3927142-8 05/19/23 05:29

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 %
TOC (Total Organic Carbon)	50000	10200	57400	58800	94.5	97.2	1	80.0-120			2.34	20

Method Blank (MB)

(MB) R3928460-1 05/23/23 18:50

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

Laboratory Control Sample (LCS)

(LCS) R3928460-2 05/23/23 18:53

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	1000	1090	109	80.0-120	
Manganese	50.0	52.6	105	80.0-120	

L1616246-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616246-01 05/23/23 18:56 • (MS) R3928460-4 05/23/23 19:03 • (MSD) R3928460-5 05/23/23 19:06

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	%	%		%			%	%
Iron	1000		1180	1190	111	113	1	75.0-125			1.40	20
Manganese	50.0		78.6	78.2	109	108	1	75.0-125			0.450	20

Method Blank (MB)

(MB) R3928254-2 05/23/23 11:21

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

L1616087-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1616087-06 05/23/23 11:51 • (DUP) R3928254-3 05/23/23 11:53

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

L1616151-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1616151-01 05/23/23 12:46 • (DUP) R3928254-4 05/23/23 13:14

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

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

(LCS) R3928254-1 05/23/23 11:16 • (LCSD) R3928254-7 05/23/23 13:24

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	116	115	89.9	89.1	85.0-115			0.866	20
Ethene	127	117	117	92.1	92.1	85.0-115			0.000	20

L1616087-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616087-05 05/23/23 11:45 • (MS) R3928254-5 05/23/23 13:17 • (MSD) R3928254-6 05/23/23 13:20

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	%	%		%			%	%
Ethane	129	U	148	150	115	116	1	85.0-115		J5	1.34	20
Ethene	127	U	150	152	118	120	1	85.0-115	J5	J5	1.32	20

Method Blank (MB)

(MB) R3928400-2 05/23/23 15:59

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

L1616151-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1616151-02 05/23/23 16:11 • (DUP) R3928400-3 05/23/23 16:30

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	14100	15400	10	8.81		20

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

(LCS) R3928400-1 05/23/23 15:56 • (LCSD) R3928400-4 05/23/23 16:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	65.0	64.1	95.9	94.5	85.0-115			1.39	20

Method Blank (MB)

(MB) R3929305-2 05/25/23 10:17

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

L1616159-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1616159-03 05/25/23 11:03 • (DUP) R3929305-3 05/25/23 11:23

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Ethane	21.7	26.1	1	18.4		20
Ethene	443	463	1	4.42		20

L1616205-32 Original Sample (OS) • Duplicate (DUP)

(OS) L1616205-32 05/25/23 11:52 • (DUP) R3929305-4 05/25/23 12:09

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

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

(LCS) R3929305-1 05/25/23 10:15 • (LCSD) R3929305-5 05/25/23 12:15

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	119	118	92.2	91.5	85.0-115			0.844	20
Ethene	127	120	119	94.5	93.7	85.0-115			0.837	20

Method Blank (MB)

(MB) R3929483-2 05/25/23 13:52

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

L1616159-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1616159-06 05/25/23 14:57 • (DUP) R3929483-3 05/25/23 15:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	27700	26800	10	3.30		20

L1617171-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1617171-09 05/25/23 16:02 • (DUP) R3929483-4 05/25/23 16:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	37500	37100	10	1.07		20

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

(LCS) R3929483-1 05/25/23 13:50 • (LCSD) R3929483-5 05/25/23 16:14

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	%	%	%			%	%
Methane	67.8	65.2	65.6	96.2	96.8	85.0-115			0.612	20

Method Blank (MB)

(MB) R3928738-2 05/18/23 21:57

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

Method Blank (MB)

(MB) R3928738-2 05/18/23 21:57

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	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*82.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3928738-1 05/18/23 20:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	22.0	88.0	10.0-160	
Acrylonitrile	25.0	26.2	105	45.0-153	
Benzene	5.00	4.16	83.2	70.0-123	
Bromobenzene	5.00	4.76	95.2	73.0-121	
Bromodichloromethane	5.00	4.56	91.2	73.0-121	
Bromoform	5.00	5.70	114	64.0-132	
Bromomethane	5.00	4.78	95.6	56.0-147	
n-Butylbenzene	5.00	3.90	78.0	68.0-135	
sec-Butylbenzene	5.00	4.15	83.0	74.0-130	
tert-Butylbenzene	5.00	3.90	78.0	75.0-127	
Carbon tetrachloride	5.00	5.18	104	66.0-128	
Chlorobenzene	5.00	4.91	98.2	76.0-128	
Chlorodibromomethane	5.00	5.24	105	74.0-127	
Chloroethane	5.00	4.89	97.8	61.0-134	
Chloroform	5.00	4.51	90.2	72.0-123	
Chloromethane	5.00	5.76	115	51.0-138	
2-Chlorotoluene	5.00	4.76	95.2	75.0-124	
4-Chlorotoluene	5.00	3.85	77.0	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	5.26	105	59.0-130	
1,2-Dibromoethane	5.00	4.86	97.2	74.0-128	
Dibromomethane	5.00	4.48	89.6	75.0-122	
1,2-Dichlorobenzene	5.00	4.93	98.6	76.0-124	
1,3-Dichlorobenzene	5.00	5.24	105	76.0-125	
1,4-Dichlorobenzene	5.00	4.71	94.2	77.0-121	
Dichlorodifluoromethane	5.00	3.67	73.4	43.0-156	
1,1-Dichloroethane	5.00	4.67	93.4	70.0-127	
1,2-Dichloroethane	5.00	4.98	99.6	65.0-131	
1,1-Dichloroethene	5.00	4.73	94.6	65.0-131	
cis-1,2-Dichloroethene	5.00	4.21	84.2	73.0-125	
trans-1,2-Dichloroethene	5.00	4.27	85.4	71.0-125	
1,2-Dichloropropane	5.00	4.71	94.2	74.0-125	
1,1-Dichloropropene	5.00	4.56	91.2	73.0-125	
1,3-Dichloropropane	5.00	4.49	89.8	80.0-125	
cis-1,3-Dichloropropene	5.00	4.50	90.0	76.0-127	
trans-1,3-Dichloropropene	5.00	4.40	88.0	73.0-127	
2,2-Dichloropropane	5.00	4.48	89.6	59.0-135	
Di-isopropyl ether	5.00	4.90	98.0	60.0-136	
Ethylbenzene	5.00	4.51	90.2	74.0-126	
Hexachloro-1,3-butadiene	5.00	7.93	159	57.0-150	J4
Isopropylbenzene	5.00	4.40	88.0	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) R3928738-1 05/18/23 20:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
p-Isopropyltoluene	5.00	4.23	84.6	72.0-133	
2-Butanone (MEK)	25.0	19.1	76.4	30.0-160	
Methylene Chloride	5.00	4.46	89.2	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	27.0	108	56.0-143	
Methyl tert-butyl ether	5.00	4.19	83.8	66.0-132	
Naphthalene	5.00	4.27	85.4	59.0-130	
n-Propylbenzene	5.00	3.75	75.0	74.0-126	
Styrene	5.00	4.18	83.6	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	5.52	110	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	4.02	80.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.15	83.0	61.0-139	
Tetrachloroethene	5.00	5.67	113	70.0-136	
Toluene	5.00	4.61	92.2	75.0-121	
1,2,3-Trichlorobenzene	5.00	6.31	126	59.0-139	
1,2,4-Trichlorobenzene	5.00	7.00	140	62.0-137	J4
1,1,1-Trichloroethane	5.00	4.78	95.6	69.0-126	
1,1,2-Trichloroethane	5.00	4.39	87.8	78.0-123	
Trichloroethene	5.00	5.33	107	76.0-126	
Trichlorofluoromethane	5.00	4.75	95.0	61.0-142	
1,2,3-Trichloropropane	5.00	4.66	93.2	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.21	84.2	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.18	83.6	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.04	80.8	73.0-127	
Vinyl chloride	5.00	4.87	97.4	63.0-134	
Xylenes, Total	15.0	14.0	93.3	72.0-127	
Ethyl Ether	5.00	4.60	92.0	64.0-137	
Tetrahydrofuran	5.00	4.04	80.8	37.0-146	
Iodomethane	25.0	25.8	103	74.0-134	
Allyl chloride	25.0	20.8	83.2	70.0-131	
Trans-1,4-Dichloro-2-butene	5.00	2.93	58.6	45.0-143	
(S) Toluene-d8			*96.4*	*75.0-131*	
(S) 4-Bromofluorobenzene			*85.1*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*114*	*70.0-130*	

Method Blank (MB)

(MB) R3929801-2 05/24/23 22:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
trans-1,2-Dichloroethene	U		0.0572	0.200
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3929801-1 05/24/23 22:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,2-Dichloroethene	5.00	4.57	91.4	73.0-125	
trans-1,2-Dichloroethene	5.00	4.76	95.2	71.0-125	
Vinyl chloride	5.00	4.23	84.6	63.0-134	
(S) Toluene-d8			*110*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.7*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*102*	*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
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.
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.

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	LAO000356
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.

Cooler 2

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

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Rachel.McLaughlin@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 #
443022-1413001.10.701.02

Lab Project #
PESENVSWA-ALP

Collected by (print):
NEW

Site/Facility ID #

P.O. #~~443022-1413001.10.701.~~
~~443018-1413001.05.601~~ 02

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

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-170-051123	G	GW	—	5/11/23	1121	9	X	X	X	X	X	X		-01
MW-187-051123	↓	GW	—	↓	0905	↓	X	X	X	X	X	X		-02
MW-186-051123		GW	—		1102		X	X	X	X	X	X		-03
MW-185-051123		GW	—		0954		X	X	X	X	X	X		-04
MW-169-051123	↓	GW	—	↓	0937	↓	X	X	X	X	X	X		-05
		GW												
		GW												
		GW												
		GW												
		GW												

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

SDG # B211

Table # U681606

Acctnum: **PESENVSWA**

Template: **T229085**

Prelogin: **P994911**

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 __ 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

	Date:	Time:		
Relinquished by : (Signature)	5/12/23	1700	Received by: (Signature)	Trip Blank Received: Yes / No (HCl) / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 45
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/13/23 Time: 9:15

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

11/6/1560

Tracking Numbers	Temperature
6337 2246 8547	NSA7 3.0+0=3.0
6337 2246 8591	NSA7 4.8+0=4.8
6337 2246 8570	NSA7 4.7+0=4.7
6337 2246 8580	NSA7 5.1+0=5.1

ANALYTICAL REPORT

June 02, 2023

PES Environmental, Inc.- WA

Sample Delivery Group:	L1616158
Samples Received:	05/13/2023
Project Number:	443022
Description:	American Linen -443022.1413001.10.701.02

Report To: Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:

Jason Romer
Project Manager

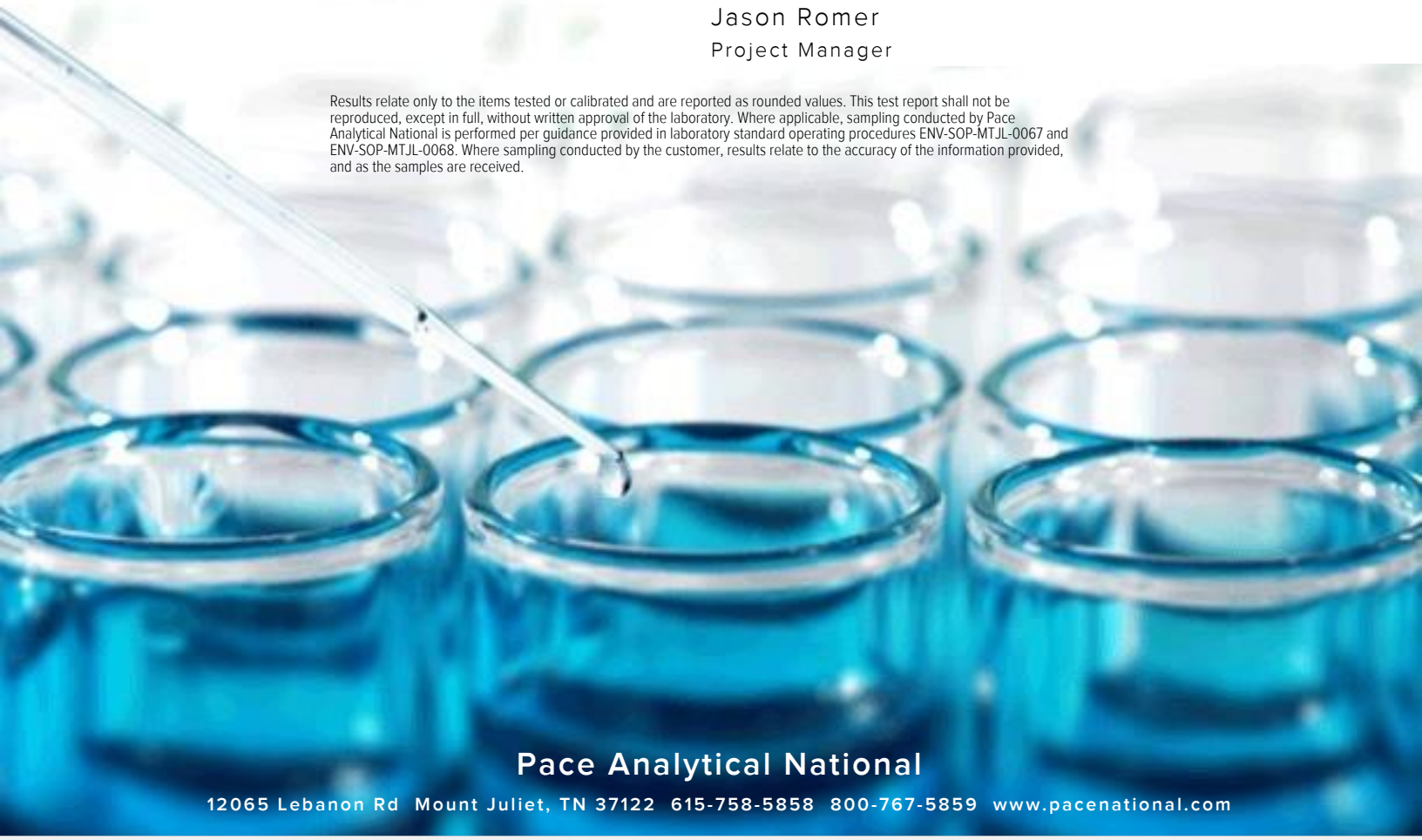


TABLE OF CONTENTS

MW-167-051123 L1616158-01 GW

Collected by: NEW | Collected date/time: 05/11/23 12:38 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063729	1	05/23/23 05:01	05/23/23 05:01	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 04:43	05/19/23 04:43	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060155	1	05/18/23 01:46	05/23/23 19:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065629	1	05/25/23 10:26	05/25/23 10:26	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2066702	10	05/25/23 14:00	05/25/23 14:00	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 02:05	05/19/23 02:05	GLN	Mt. Juliet, TN

MW-166-051123 L1616158-02 GW

Collected by: NEW | Collected date/time: 05/11/23 15:30 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063729	1	05/23/23 05:14	05/23/23 05:14	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 06:28	05/19/23 06:28	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060155	1	05/18/23 01:46	05/23/23 19:13	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065629	1	05/25/23 10:30	05/25/23 10:30	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2066702	10	05/25/23 14:05	05/25/23 14:05	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 02:24	05/19/23 02:24	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2065856	500	05/25/23 04:29	05/25/23 04:29	DWR	Mt. Juliet, TN

MW-168-051123 L1616158-03 GW

Collected by: NEW | Collected date/time: 05/11/23 15:44 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063729	1	05/23/23 05:28	05/23/23 05:28	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 06:53	05/19/23 06:53	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060155	1	05/18/23 01:46	05/23/23 19:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065629	1	05/25/23 10:36	05/25/23 10:36	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2066702	10	05/25/23 14:09	05/25/23 14:09	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 02:43	05/19/23 02:43	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2065856	1	05/25/23 01:16	05/25/23 01:16	DWR	Mt. Juliet, TN

MW-188-051123 L1616158-04 GW

Collected by: NEW | Collected date/time: 05/11/23 16:50 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063729	1	05/23/23 05:41	05/23/23 05:41	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 07:10	05/19/23 07:10	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060155	1	05/18/23 01:46	05/23/23 19:20	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065629	1	05/25/23 10:41	05/25/23 10:41	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 03:03	05/19/23 03:03	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2065856	1	05/25/23 01:37	05/25/23 01:37	DWR	Mt. Juliet, TN

MW-172-051123 L1616158-05 GW

Collected by: NEW | Collected date/time: 05/11/23 13:07 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063729	1	05/23/23 05:55	05/23/23 05:55	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 07:30	05/19/23 07:30	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2060155	1	05/18/23 01:46	05/23/23 19:23	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065629	1	05/25/23 10:47	05/25/23 10:47	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2066702	10	05/25/23 14:14	05/25/23 14:14	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 03:22	05/19/23 03:22	GLN	Mt. Juliet, TN

SAMPLE SUMMARY

MW-172-051123 L1616158-05 GW

Collected by: NEW
Collected date/time: 05/11/23 13:07
Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2065856	250	05/25/23 04:50	05/25/23 04:50	DWR	Mt. Juliet, TN

TB-051223 L1616158-06 GW

Collected by: NEW
Collected date/time: 05/11/23 00:00
Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/18/23 23:50	05/18/23 23:50	GLN	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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	10400		594	5000	1	05/23/2023 05:01	WG2063729

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	05/19/2023 04:43	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2260		28.1	100	1	05/23/2023 19:10	WG2060155
Manganese	604		0.704	5.00	1	05/23/2023 19:10	WG2060155

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	7350		2.87	6.78	10	05/25/2023 14:00	WG2066702
Ethane	121		0.296	1.29	1	05/25/2023 10:26	WG2065629
Ethene	4.00		0.422	1.27	1	05/25/2023 10:26	WG2065629

Volatile 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	05/19/2023 02:05	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 02:05	WG2062690
Benzene	0.0230	J	0.0160	0.0400	1	05/19/2023 02:05	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 02:05	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 02:05	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 02:05	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 02:05	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 02:05	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 02:05	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 02:05	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 02:05	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 02:05	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 02:05	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 02:05	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 02:05	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 02:05	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 02:05	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 02:05	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 02:05	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 02:05	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 02:05	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 02:05	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 02:05	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 02:05	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 02:05	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 02:05	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 02:05	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 02:05	WG2062690
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/19/2023 02:05	WG2062690
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/19/2023 02:05	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 02:05	WG2062690

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		0.0280	0.100	1	05/19/2023 02:05	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 02:05	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 02:05	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 02:05	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 02:05	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 02:05	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 02:05	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 02:05	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 02:05	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 02:05	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 02:05	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 02:05	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 02:05	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 02:05	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 02:05	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 02:05	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 02:05	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 02:05	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 02:05	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 02:05	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 02:05	WG2062690
Toluene	0.293		0.0500	0.200	1	05/19/2023 02:05	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 02:05	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 02:05	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 02:05	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 02:05	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/19/2023 02:05	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 02:05	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 02:05	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 02:05	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 02:05	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 02:05	WG2062690
Vinyl chloride	0.516		0.0273	0.100	1	05/19/2023 02:05	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/19/2023 02:05	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 02:05	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 02:05	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 02:05	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 02:05	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 02:05	WG2062690
(S) Toluene-d8	*103*			*75.0-131*		*05/19/2023 02:05*	WG2062690
(S) 4-Bromofluorobenzene	*85.6*			*67.0-138*		*05/19/2023 02:05*	WG2062690
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/19/2023 02:05*	WG2062690

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	9710		594	5000	1	05/23/2023 05:14	WG2063729

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)	48800		102	1000	1	05/19/2023 06:28	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	33400		28.1	100	1	05/23/2023 19:13	WG2060155
Manganese	1100		0.704	5.00	1	05/23/2023 19:13	WG2060155

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	24100		2.87	6.78	10	05/25/2023 14:05	WG2066702
Ethane	467		0.296	1.29	1	05/25/2023 10:30	WG2065629
Ethene	1450		0.422	1.27	1	05/25/2023 10:30	WG2065629

Volatile 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	05/19/2023 02:24	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 02:24	WG2062690
Benzene	0.0880		0.0160	0.0400	1	05/19/2023 02:24	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 02:24	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 02:24	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 02:24	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 02:24	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 02:24	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 02:24	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 02:24	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 02:24	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 02:24	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 02:24	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 02:24	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 02:24	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 02:24	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 02:24	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 02:24	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 02:24	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 02:24	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 02:24	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 02:24	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 02:24	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 02:24	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 02:24	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 02:24	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 02:24	WG2062690
1,1-Dichloroethene	10.8		0.0200	0.100	1	05/19/2023 02:24	WG2062690
cis-1,2-Dichloroethene	6630		13.8	50.0	500	05/25/2023 04:29	WG2065856
trans-1,2-Dichloroethene	58.0		0.0572	0.200	1	05/19/2023 02:24	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 02:24	WG2062690

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		0.0280	0.100	1	05/19/2023 02:24	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 02:24	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 02:24	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 02:24	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 02:24	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 02:24	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 02:24	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 02:24	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 02:24	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 02:24	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 02:24	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 02:24	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 02:24	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 02:24	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 02:24	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 02:24	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 02:24	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 02:24	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 02:24	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 02:24	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 02:24	WG2062690
Toluene	0.162	J	0.0500	0.200	1	05/19/2023 02:24	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 02:24	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 02:24	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 02:24	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 02:24	WG2062690
Trichloroethene	0.317		0.0160	0.0400	1	05/19/2023 02:24	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 02:24	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 02:24	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 02:24	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 02:24	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 02:24	WG2062690
Vinyl chloride	2180		13.6	50.0	500	05/25/2023 04:29	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 02:24	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 02:24	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 02:24	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 02:24	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 02:24	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 02:24	WG2062690
(S) Toluene-d8	*104*			*75.0-131*		*05/19/2023 02:24*	WG2062690
(S) Toluene-d8	*110*			*75.0-131*		*05/25/2023 04:29*	WG2065856
(S) 4-Bromofluorobenzene	*85.3*			*67.0-138*		*05/19/2023 02:24*	WG2062690
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/25/2023 04:29*	WG2065856
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/19/2023 02:24*	WG2062690
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/25/2023 04:29*	WG2065856

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 ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	2000	J	594	5000	1	05/23/2023 05:28	WG2063729

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	11700		102	1000	1	05/19/2023 06:53	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	8930		28.1	100	1	05/23/2023 19:16	WG2060155
Manganese	1270		0.704	5.00	1	05/23/2023 19:16	WG2060155

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	12700		2.87	6.78	10	05/25/2023 14:09	WG2066702
Ethane	306		0.296	1.29	1	05/25/2023 10:36	WG2065629
Ethene	44.3		0.422	1.27	1	05/25/2023 10:36	WG2065629

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/19/2023 02:43	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 02:43	WG2062690
Benzene	U		0.0160	0.0400	1	05/19/2023 02:43	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 02:43	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 02:43	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 02:43	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 02:43	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 02:43	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 02:43	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 02:43	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 02:43	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 02:43	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 02:43	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 02:43	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 02:43	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 02:43	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 02:43	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 02:43	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 02:43	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 02:43	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 02:43	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 02:43	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 02:43	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 02:43	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 02:43	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 02:43	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 02:43	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 02:43	WG2062690
cis-1,2-Dichloroethene	0.536		0.0276	0.100	1	05/25/2023 01:16	WG2065856
trans-1,2-Dichloroethene	0.0970	J	0.0572	0.200	1	05/19/2023 02:43	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 02:43	WG2062690

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		0.0280	0.100	1	05/19/2023 02:43	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 02:43	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 02:43	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 02:43	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 02:43	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 02:43	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 02:43	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 02:43	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 02:43	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 02:43	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 02:43	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 02:43	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 02:43	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 02:43	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 02:43	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 02:43	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 02:43	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 02:43	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 02:43	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 02:43	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 02:43	WG2062690
Toluene	0.258		0.0500	0.200	1	05/19/2023 02:43	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 02:43	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 02:43	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 02:43	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 02:43	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/19/2023 02:43	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 02:43	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 02:43	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 02:43	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 02:43	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 02:43	WG2062690
Vinyl chloride	2.79		0.0273	0.100	1	05/25/2023 01:16	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 02:43	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 02:43	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 02:43	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 02:43	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 02:43	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 02:43	WG2062690
(S) Toluene-d8	*105*			*75.0-131*		*05/19/2023 02:43*	WG2062690
(S) Toluene-d8	*107*			*75.0-131*		*05/25/2023 01:16*	WG2065856
(S) 4-Bromofluorobenzene	*83.3*			*67.0-138*		*05/19/2023 02:43*	WG2062690
(S) 4-Bromofluorobenzene	*99.5*			*67.0-138*		*05/25/2023 01:16*	WG2065856
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/19/2023 02:43*	WG2062690
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/25/2023 01:16*	WG2065856

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	23900		594	5000	1	05/23/2023 05:41	WG2063729

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)	3950		102	1000	1	05/19/2023 07:10	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1940		28.1	100	1	05/23/2023 19:20	WG2060155
Manganese	578		0.704	5.00	1	05/23/2023 19:20	WG2060155

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	599		0.287	0.678	1	05/25/2023 10:41	WG2065629
Ethane	19.2		0.296	1.29	1	05/25/2023 10:41	WG2065629
Ethene	U		0.422	1.27	1	05/25/2023 10:41	WG2065629

Volatile 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	05/19/2023 03:03	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 03:03	WG2062690
Benzene	U		0.0160	0.0400	1	05/19/2023 03:03	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 03:03	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 03:03	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 03:03	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 03:03	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 03:03	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 03:03	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 03:03	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 03:03	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 03:03	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 03:03	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 03:03	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 03:03	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 03:03	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 03:03	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 03:03	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 03:03	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 03:03	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 03:03	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 03:03	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 03:03	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 03:03	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 03:03	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 03:03	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 03:03	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 03:03	WG2062690
cis-1,2-Dichloroethene	0.0750	J	0.0276	0.100	1	05/25/2023 01:37	WG2065856
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/19/2023 03:03	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 03:03	WG2062690

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		0.0280	0.100	1	05/19/2023 03:03	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 03:03	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 03:03	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 03:03	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 03:03	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 03:03	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 03:03	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 03:03	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 03:03	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 03:03	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 03:03	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 03:03	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 03:03	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 03:03	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 03:03	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 03:03	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 03:03	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 03:03	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 03:03	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 03:03	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 03:03	WG2062690
Toluene	U		0.0500	0.200	1	05/19/2023 03:03	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 03:03	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 03:03	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 03:03	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 03:03	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/19/2023 03:03	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 03:03	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 03:03	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 03:03	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 03:03	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 03:03	WG2062690
Vinyl chloride	0.113		0.0273	0.100	1	05/25/2023 01:37	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 03:03	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 03:03	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 03:03	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 03:03	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 03:03	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 03:03	WG2062690
(S) Toluene-d8	*104*			*75.0-131*		*05/19/2023 03:03*	WG2062690
(S) Toluene-d8	*110*			*75.0-131*		*05/25/2023 01:37*	WG2065856
(S) 4-Bromofluorobenzene	*78.5*			*67.0-138*		*05/19/2023 03:03*	WG2062690
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*05/25/2023 01:37*	WG2065856
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*05/19/2023 03:03*	WG2062690
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/25/2023 01:37*	WG2065856

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	30300		594	5000	1	05/23/2023 05:55	WG2063729

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	05/19/2023 07:30	WG2062032

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	05/23/2023 19:23	WG2060155
Manganese	2930		0.704	5.00	1	05/23/2023 19:23	WG2060155

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	8530		2.87	6.78	10	05/25/2023 14:14	WG2066702
Ethane	6.35		0.296	1.29	1	05/25/2023 10:47	WG2065629
Ethene	1.98		0.422	1.27	1	05/25/2023 10:47	WG2065629

Volatile 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	05/19/2023 03:22	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 03:22	WG2062690
Benzene	U		0.0160	0.0400	1	05/19/2023 03:22	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 03:22	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 03:22	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 03:22	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 03:22	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 03:22	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 03:22	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 03:22	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 03:22	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 03:22	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 03:22	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 03:22	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 03:22	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 03:22	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 03:22	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 03:22	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 03:22	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 03:22	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 03:22	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 03:22	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 03:22	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 03:22	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 03:22	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 03:22	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 03:22	WG2062690
1,1-Dichloroethene	60.5		0.0200	0.100	1	05/19/2023 03:22	WG2062690
cis-1,2-Dichloroethene	590		6.90	25.0	250	05/25/2023 04:50	WG2065856
trans-1,2-Dichloroethene	29.1		0.0572	0.200	1	05/19/2023 03:22	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 03:22	WG2062690

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		0.0280	0.100	1	05/19/2023 03:22	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 03:22	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 03:22	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 03:22	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 03:22	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 03:22	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 03:22	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 03:22	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 03:22	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 03:22	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 03:22	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 03:22	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 03:22	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 03:22	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 03:22	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 03:22	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 03:22	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 03:22	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 03:22	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 03:22	WG2062690
Tetrachloroethene	1730	C5	7.00	25.0	250	05/25/2023 04:50	WG2065856
Toluene	0.203		0.0500	0.200	1	05/19/2023 03:22	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 03:22	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 03:22	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 03:22	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 03:22	WG2062690
Trichloroethene	1810		4.00	10.0	250	05/25/2023 04:50	WG2065856
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 03:22	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 03:22	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 03:22	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 03:22	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 03:22	WG2062690
Vinyl chloride	9.00		0.0273	0.100	1	05/19/2023 03:22	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/19/2023 03:22	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 03:22	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 03:22	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 03:22	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 03:22	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 03:22	WG2062690
(S) Toluene-d8	*108*			*75.0-131*		*05/19/2023 03:22*	WG2062690
(S) Toluene-d8	*113*			*75.0-131*		*05/25/2023 04:50*	WG2065856
(S) 4-Bromofluorobenzene	*85.9*			*67.0-138*		*05/19/2023 03:22*	WG2062690
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*		*05/25/2023 04:50*	WG2065856
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/19/2023 03:22*	WG2062690
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*05/25/2023 04:50*	WG2065856

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.13		0.548	1.00	1	05/18/2023 23:50	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 23:50	WG2062690
Benzene	U		0.0160	0.0400	1	05/18/2023 23:50	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/18/2023 23:50	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 23:50	WG2062690
Bromoform	U		0.239	1.00	1	05/18/2023 23:50	WG2062690
Bromomethane	U		0.148	0.500	1	05/18/2023 23:50	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/18/2023 23:50	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 23:50	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/18/2023 23:50	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 23:50	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 23:50	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 23:50	WG2062690
Chloroethane	U		0.0432	0.200	1	05/18/2023 23:50	WG2062690
Chloroform	U		0.0166	0.100	1	05/18/2023 23:50	WG2062690
Chloromethane	U		0.0556	0.500	1	05/18/2023 23:50	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/18/2023 23:50	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/18/2023 23:50	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/18/2023 23:50	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 23:50	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/18/2023 23:50	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 23:50	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 23:50	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 23:50	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/18/2023 23:50	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 23:50	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 23:50	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 23:50	WG2062690
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/18/2023 23:50	WG2062690
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 23:50	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 23:50	WG2062690
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 23:50	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 23:50	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 23:50	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 23:50	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 23:50	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 23:50	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 23:50	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/18/2023 23:50	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 23:50	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 23:50	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/18/2023 23:50	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/18/2023 23:50	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 23:50	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 23:50	WG2062690
Naphthalene	U		0.124	0.500	1	05/18/2023 23:50	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/18/2023 23:50	WG2062690
Styrene	U		0.109	0.500	1	05/18/2023 23:50	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 23:50	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 23:50	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 23:50	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/18/2023 23:50	WG2062690
Toluene	U		0.0500	0.200	1	05/18/2023 23:50	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 23:50	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/18/2023 23:50	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 23:50	WG2062690

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 23:50	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/18/2023 23:50	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 23:50	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 23:50	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/18/2023 23:50	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/18/2023 23:50	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/18/2023 23:50	WG2062690
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 23:50	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/18/2023 23:50	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 23:50	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/18/2023 23:50	WG2062690
Iodomethane	U		0.242	0.500	1	05/18/2023 23:50	WG2062690
Allyl chloride	U		0.580	1.00	1	05/18/2023 23:50	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/18/2023 23:50	WG2062690
(S) Toluene-d8	*99.1*			*75.0-131*		*05/18/2023 23:50*	WG2062690
(S) 4-Bromofluorobenzene	*87.3*			*67.0-138*		*05/18/2023 23:50*	WG2062690
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*05/18/2023 23:50*	WG2062690

Method Blank (MB)

(MB) R3932060-1 05/22/23 21:39

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

L1616131-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1616131-09 05/23/23 00:14 • (DUP) R3932060-3 05/23/23 00:28

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	59700	59700	1	0.0963		15

L1616158-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1616158-05 05/23/23 05:55 • (DUP) R3932060-6 05/23/23 06:08

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	30300	30500	1	0.377		15

Laboratory Control Sample (LCS)

(LCS) R3932060-2 05/22/23 21:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	39600	99.0	80.0-120	

L1616131-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616131-09 05/23/23 00:14 • (MS) R3932060-4 05/23/23 00:42 • (MSD) R3932060-5 05/23/23 00:55

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	59700	107000	108000	95.2	96.2	1	80.0-120			0.488	15

L1616158-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1616158-05 05/23/23 05:55 • (MS) R3932060-7 05/23/23 06:21

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	50000	30300	77900	95.2	1	80.0-120	

Method Blank (MB)

(MB) R3927142-2 05/18/23 20:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	284	J	102	1000

L1615692-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1615692-11 05/18/23 21:48 • (DUP) R3927142-3 05/18/23 22:07

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	3680	3600	1	2.25		20

L1616156-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1616156-05 05/19/23 04:03 • (DUP) R3927142-6 05/19/23 04:24

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	14400	14000	1	2.40		20

Laboratory Control Sample (LCS)

(LCS) R3927142-1 05/18/23 16:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	74300	99.0	85.0-115	

L1616149-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616149-07 05/18/23 23:09 • (MS) R3927142-4 05/18/23 23:32 • (MSD) R3927142-5 05/18/23 23:55

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 %
TOC (Total Organic Carbon)	50000	7570	50600	57400	86.1	99.6	1	80.0-120			12.5	20

L1616158-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616158-01 05/19/23 04:43 • (MS) R3927142-7 05/19/23 05:06 • (MSD) R3927142-8 05/19/23 05:29

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 %
TOC (Total Organic Carbon)	50000	10200	57400	58800	94.5	97.2	1	80.0-120			2.34	20

Method Blank (MB)

(MB) R3928479-1 05/23/23 18:17

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

Laboratory Control Sample (LCS)

(LCS) R3928479-2 05/23/23 18:20

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	1000	989	98.9	80.0-120	
Manganese	50.0	48.8	97.5	80.0-120	

L1616131-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616131-09 05/23/23 18:24 • (MS) R3928479-4 05/23/23 18:30 • (MSD) R3928479-5 05/23/23 18:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	1000	647	1600	1800	95.5	116	1	75.0-125			11.9	20

Method Blank (MB)

(MB) R3929305-2 05/25/23 10:17

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

L1616159-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1616159-03 05/25/23 11:03 • (DUP) R3929305-3 05/25/23 11:23

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	5360	5530	1	3.12		20
Ethane	21.7	26.1	1	18.4		20
Ethene	443	463	1	4.42		20

L1616205-32 Original Sample (OS) • Duplicate (DUP)

(OS) L1616205-32 05/25/23 11:52 • (DUP) R3929305-4 05/25/23 12:09

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	628	625	1	0.479		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) R3929305-1 05/25/23 10:15 • (LCSD) R3929305-5 05/25/23 12:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	66.0	66.0	97.3	97.3	85.0-115			0.000	20
Ethane	129	119	118	92.2	91.5	85.0-115			0.844	20
Ethene	127	120	119	94.5	93.7	85.0-115			0.837	20

Method Blank (MB)

(MB) R3929483-2 05/25/23 13:52

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

L1616159-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1616159-06 05/25/23 14:57 • (DUP) R3929483-3 05/25/23 15:02

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	27700	26800	10	3.30		20

L1617171-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1617171-09 05/25/23 16:02 • (DUP) R3929483-4 05/25/23 16:09

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	37500	37100	10	1.07		20

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

(LCS) R3929483-1 05/25/23 13:50 • (LCSD) R3929483-5 05/25/23 16:14

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 %
Methane	67.8	65.2	65.6	96.2	96.8	85.0-115			0.612	20

Method Blank (MB)

(MB) R3928738-2 05/18/23 21:57

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

Method Blank (MB)

(MB) R3928738-2 05/18/23 21:57

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	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*82.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3928738-1 05/18/23 20:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	22.0	88.0	10.0-160	
Acrylonitrile	25.0	26.2	105	45.0-153	
Benzene	5.00	4.16	83.2	70.0-123	
Bromobenzene	5.00	4.76	95.2	73.0-121	
Bromodichloromethane	5.00	4.56	91.2	73.0-121	
Bromoform	5.00	5.70	114	64.0-132	
Bromomethane	5.00	4.78	95.6	56.0-147	
n-Butylbenzene	5.00	3.90	78.0	68.0-135	
sec-Butylbenzene	5.00	4.15	83.0	74.0-130	
tert-Butylbenzene	5.00	3.90	78.0	75.0-127	
Carbon tetrachloride	5.00	5.18	104	66.0-128	
Chlorobenzene	5.00	4.91	98.2	76.0-128	
Chlorodibromomethane	5.00	5.24	105	74.0-127	
Chloroethane	5.00	4.89	97.8	61.0-134	
Chloroform	5.00	4.51	90.2	72.0-123	
Chloromethane	5.00	5.76	115	51.0-138	
2-Chlorotoluene	5.00	4.76	95.2	75.0-124	
4-Chlorotoluene	5.00	3.85	77.0	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	5.26	105	59.0-130	
1,2-Dibromoethane	5.00	4.86	97.2	74.0-128	
Dibromomethane	5.00	4.48	89.6	75.0-122	
1,2-Dichlorobenzene	5.00	4.93	98.6	76.0-124	
1,3-Dichlorobenzene	5.00	5.24	105	76.0-125	
1,4-Dichlorobenzene	5.00	4.71	94.2	77.0-121	
Dichlorodifluoromethane	5.00	3.67	73.4	43.0-156	
1,1-Dichloroethane	5.00	4.67	93.4	70.0-127	
1,2-Dichloroethane	5.00	4.98	99.6	65.0-131	
1,1-Dichloroethene	5.00	4.73	94.6	65.0-131	
cis-1,2-Dichloroethene	5.00	4.21	84.2	73.0-125	
trans-1,2-Dichloroethene	5.00	4.27	85.4	71.0-125	
1,2-Dichloropropane	5.00	4.71	94.2	74.0-125	
1,1-Dichloropropene	5.00	4.56	91.2	73.0-125	
1,3-Dichloropropane	5.00	4.49	89.8	80.0-125	
cis-1,3-Dichloropropene	5.00	4.50	90.0	76.0-127	
trans-1,3-Dichloropropene	5.00	4.40	88.0	73.0-127	
2,2-Dichloropropane	5.00	4.48	89.6	59.0-135	
Di-isopropyl ether	5.00	4.90	98.0	60.0-136	
Ethylbenzene	5.00	4.51	90.2	74.0-126	
Hexachloro-1,3-butadiene	5.00	7.93	159	57.0-150	J4
Isopropylbenzene	5.00	4.40	88.0	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) R3928738-1 05/18/23 20:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
p-Isopropyltoluene	5.00	4.23	84.6	72.0-133	
2-Butanone (MEK)	25.0	19.1	76.4	30.0-160	
Methylene Chloride	5.00	4.46	89.2	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	27.0	108	56.0-143	
Methyl tert-butyl ether	5.00	4.19	83.8	66.0-132	
Naphthalene	5.00	4.27	85.4	59.0-130	
n-Propylbenzene	5.00	3.75	75.0	74.0-126	
Styrene	5.00	4.18	83.6	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	5.52	110	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	4.02	80.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.15	83.0	61.0-139	
Tetrachloroethene	5.00	5.67	113	70.0-136	
Toluene	5.00	4.61	92.2	75.0-121	
1,2,3-Trichlorobenzene	5.00	6.31	126	59.0-139	
1,2,4-Trichlorobenzene	5.00	7.00	140	62.0-137	J4
1,1,1-Trichloroethane	5.00	4.78	95.6	69.0-126	
1,1,2-Trichloroethane	5.00	4.39	87.8	78.0-123	
Trichloroethene	5.00	5.33	107	76.0-126	
Trichlorofluoromethane	5.00	4.75	95.0	61.0-142	
1,2,3-Trichloropropane	5.00	4.66	93.2	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.21	84.2	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.18	83.6	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.04	80.8	73.0-127	
Vinyl chloride	5.00	4.87	97.4	63.0-134	
Xylenes, Total	15.0	14.0	93.3	72.0-127	
Ethyl Ether	5.00	4.60	92.0	64.0-137	
Tetrahydrofuran	5.00	4.04	80.8	37.0-146	
Iodomethane	25.0	25.8	103	74.0-134	
Allyl chloride	25.0	20.8	83.2	70.0-131	
Trans-1,4-Dichloro-2-butene	5.00	2.93	58.6	45.0-143	
(S) Toluene-d8			*96.4*	*75.0-131*	
(S) 4-Bromofluorobenzene			*85.1*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*114*	*70.0-130*	

Method Blank (MB)

(MB) R3929801-2 05/24/23 22:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3929801-1 05/24/23 22:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,2-Dichloroethene	5.00	4.57	91.4	73.0-125	
Tetrachloroethene	5.00	6.64	133	70.0-136	
Trichloroethene	5.00	5.95	119	76.0-126	
Vinyl chloride	5.00	4.23	84.6	63.0-134	
(S) Toluene-d8			*110*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.7*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*102*	*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
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
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	LAO000356
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.

Cooler 3

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

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

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Rachel.McLaughlin@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 #
443022-1413001.10.701.02

Lab Project #
PESENVSWA-ALP

SDG # L1646458
B212

Table #

Acctnum: PESENVSWA

Template: T229085

Prelogin: P994911

PM: 546 - Jared Starkey

PB:

Shipped Via:

Collected by (print): NEW

Site/Facility ID #

P.O. # 443022.1413001.10.701.02
~~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	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl				Remarks	Sample # (lab only)
Pres Chk							N ✓	N ✓									
MW-167-051123	G	GW	—	5/11/23	1238	9	X	X	X	X	X	X					-01
MW-166-051123	↓	GW	—	↓	1530	↓	X	X	X	X	X	X					-02
MW-168-051123	↓	GW	—	↓	1544	↓	X	X	X	X	X	X					-03
MW-188-051123	↓	GW	—	↓	1650	↓	X	X	X	X	X	X					-04
MW-172-051123	↓	GW	—	↓	1307	↓	X	X	X	X	X	X					-05
TB-051223	—	GW	—	5/12/23	—	1						X					-06
		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 (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:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No HCL / MeoH TBR	
[signature]	5/12/23	1700		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 45	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 5-13-23 Time: 9:15	Hold: Condition: NCF / (OK)

LL611158

Tracking Numbers	Temperature
6337 2246 8547	USA 3.0+0=3.0
6337 2246 8591	USA 4.8+0=4.8
6337 2246 8570	USA 4.7+0=4.7
6337 2246 8580	USA 5.1+0=5.1

ANALYTICAL REPORT

June 03, 2023

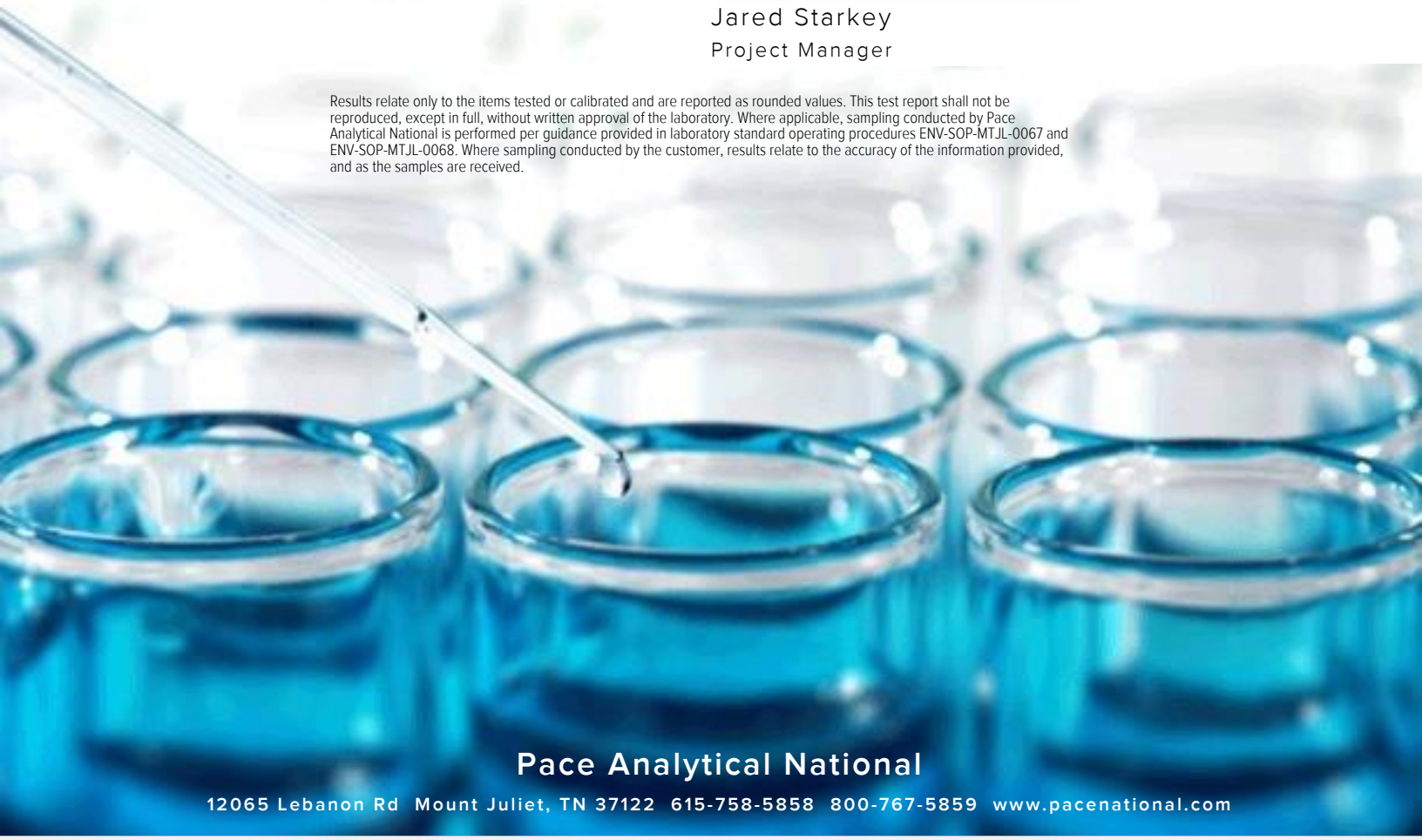
PES Environmental, Inc.- WA

Sample Delivery Group:	L1616159
Samples Received:	05/13/2023
Project Number:	443022
Description:	American Linen - 443022-1413001.10.701.02

Report To: Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager



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

TABLE OF CONTENTS

MW-173-051123 L1616159-01 GW

Collected by: Natalie Wisdom | Collected date/time: 05/11/23 10:53 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063729	1	05/23/23 06:35	05/23/23 06:35	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 07:50	05/19/23 07:50	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2064053	1	05/22/23 00:27	05/22/23 11:38	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065629	1	05/25/23 10:52	05/25/23 10:52	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2066702	10	05/25/23 14:19	05/25/23 14:19	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 03:41	05/19/23 03:41	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2065856	1	05/25/23 01:58	05/25/23 01:58	DWR	Mt. Juliet, TN

MW-174-051123 L1616159-02 GW

Collected by: Natalie Wisdom | Collected date/time: 05/11/23 12:10 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063742	1	05/20/23 19:21	05/20/23 19:21	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 08:11	05/19/23 08:11	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2064053	1	05/22/23 00:27	05/22/23 11:47	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065629	1	05/25/23 10:58	05/25/23 10:58	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2066702	10	05/25/23 14:24	05/25/23 14:24	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 04:01	05/19/23 04:01	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2065856	5	05/25/23 05:11	05/25/23 05:11	DWR	Mt. Juliet, TN

MW-171-051123 L1616159-03 GW

Collected by: Natalie Wisdom | Collected date/time: 05/11/23 09:11 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063742	1	05/20/23 19:37	05/20/23 19:37	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 08:30	05/19/23 08:30	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2064053	1	05/22/23 00:27	05/22/23 11:51	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065629	1	05/25/23 11:03	05/25/23 11:03	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 04:20	05/19/23 04:20	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2065856	250	05/25/23 05:33	05/25/23 05:33	DWR	Mt. Juliet, TN

MW-176-051123 L1616159-04 GW

Collected by: Natalie Wisdom | Collected date/time: 05/11/23 13:29 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063742	1	05/20/23 19:53	05/20/23 19:53	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062032	1	05/19/23 08:51	05/19/23 08:51	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2064053	1	05/22/23 00:27	05/22/23 11:54	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065629	1	05/25/23 11:18	05/25/23 11:18	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2066702	10	05/25/23 14:39	05/25/23 14:39	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 04:39	05/19/23 04:39	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2065856	1	05/25/23 02:19	05/25/23 02:19	DWR	Mt. Juliet, TN

MW-175-051123 L1616159-05 GW

Collected by: Natalie Wisdom | Collected date/time: 05/11/23 12:43 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063742	1	05/20/23 20:09	05/20/23 20:09	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062822	1	05/20/23 23:07	05/20/23 23:07	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2064053	1	05/22/23 00:27	05/22/23 11:57	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065629	1	05/25/23 11:27	05/25/23 11:27	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2066702	10	05/25/23 14:45	05/25/23 14:45	BAW	Mt. Juliet, TN

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

MW-175-051123 L1616159-05 GW

Collected by: Natalie Wisdom | Collected date/time: 05/11/23 12:43 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 04:59	05/19/23 04:59	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2065856	1	05/25/23 02:40	05/25/23 02:40	DWR	Mt. Juliet, TN

MW-165-051123 L1616159-06 GW

Collected by: Natalie Wisdom | Collected date/time: 05/11/23 14:40 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2063742	1	05/20/23 20:56	05/20/23 20:56	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2062822	1	05/20/23 23:44	05/20/23 23:44	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2064053	1	05/22/23 00:27	05/22/23 12:01	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065629	1	05/25/23 11:33	05/25/23 11:33	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2066702	10	05/25/23 14:57	05/25/23 14:57	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 05:18	05/19/23 05:18	GLN	Mt. Juliet, TN

MW122-051223 L1616159-07 GW

Collected by: Natalie Wisdom | Collected date/time: 05/12/23 11:40 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2062690	1	05/19/23 05:37	05/19/23 05:37	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2065856	1	05/25/23 03:02	05/25/23 03:02	DWR	Mt. Juliet, TN

MW-308-051223 L1616159-08 GW

Collected by: Natalie Wisdom | Collected date/time: 05/12/23 12:29 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063055	1	05/20/23 02:53	05/20/23 02:53	DWR	Mt. Juliet, TN

MW-309-051223 L1616159-09 GW

Collected by: Natalie Wisdom | Collected date/time: 05/12/23 13:31 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063055	1	05/20/23 03:12	05/20/23 03:12	DWR	Mt. Juliet, TN

MW108-051223 L1616159-10 GW

Collected by: Natalie Wisdom | Collected date/time: 05/12/23 14:51 | Received date/time: 05/13/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063055	20	05/20/23 08:34	05/20/23 08:34	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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	1610	J	594	5000	1	05/23/2023 06:35	WG2063729

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)	12700		102	1000	1	05/19/2023 07:50	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3220		28.1	100	1	05/22/2023 11:38	WG2064053
Manganese	2300		0.704	5.00	1	05/22/2023 11:38	WG2064053

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	28800		2.87	6.78	10	05/25/2023 14:19	WG2066702
Ethane	833		0.296	1.29	1	05/25/2023 10:52	WG2065629
Ethene	303		0.422	1.27	1	05/25/2023 10:52	WG2065629

Volatile 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	05/19/2023 03:41	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 03:41	WG2062690
Benzene	0.169		0.0160	0.0400	1	05/19/2023 03:41	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 03:41	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 03:41	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 03:41	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 03:41	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 03:41	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 03:41	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 03:41	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 03:41	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 03:41	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 03:41	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 03:41	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 03:41	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 03:41	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 03:41	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 03:41	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 03:41	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 03:41	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 03:41	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 03:41	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 03:41	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 03:41	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 03:41	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 03:41	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 03:41	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 03:41	WG2062690
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/25/2023 01:58	WG2065856
trans-1,2-Dichloroethene	0.208		0.0572	0.200	1	05/19/2023 03:41	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 03:41	WG2062690

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		0.0280	0.100	1	05/19/2023 03:41	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 03:41	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 03:41	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 03:41	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 03:41	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 03:41	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 03:41	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 03:41	WG2062690
Isopropylbenzene	0.149		0.0345	0.100	1	05/19/2023 03:41	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 03:41	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 03:41	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 03:41	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 03:41	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 03:41	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 03:41	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 03:41	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 03:41	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 03:41	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 03:41	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 03:41	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 01:58	WG2065856
Toluene	0.144	J	0.0500	0.200	1	05/19/2023 03:41	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 03:41	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 03:41	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 03:41	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 03:41	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 01:58	WG2065856
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 03:41	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 03:41	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 03:41	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 03:41	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 03:41	WG2062690
Vinyl chloride	0.448		0.0273	0.100	1	05/19/2023 03:41	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/19/2023 03:41	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 03:41	WG2062690
Tetrahydrofuran	4.95		0.0900	0.500	1	05/19/2023 03:41	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 03:41	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 03:41	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 03:41	WG2062690
(S) Toluene-d8	*103*			*75.0-131*		*05/19/2023 03:41*	WG2062690
(S) Toluene-d8	*110*			*75.0-131*		*05/25/2023 01:58*	WG2065856
(S) 4-Bromofluorobenzene	*89.8*			*67.0-138*		*05/19/2023 03:41*	WG2062690
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*05/25/2023 01:58*	WG2065856
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/19/2023 03:41*	WG2062690
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/25/2023 01:58*	WG2065856

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	6520		594	5000	1	05/20/2023 19:21	WG2063742

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)	31200		102	1000	1	05/19/2023 08:11	WG2062032

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	05/22/2023 11:47	WG2064053
Manganese	3600		0.704	5.00	1	05/22/2023 11:47	WG2064053

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	28900		2.87	6.78	10	05/25/2023 14:24	WG2066702
Ethane	194		0.296	1.29	1	05/25/2023 10:58	WG2065629
Ethene	58.2		0.422	1.27	1	05/25/2023 10:58	WG2065629

Volatile 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	05/19/2023 04:01	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 04:01	WG2062690
Benzene	U		0.0160	0.0400	1	05/19/2023 04:01	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 04:01	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 04:01	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 04:01	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 04:01	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 04:01	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 04:01	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 04:01	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 04:01	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 04:01	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 04:01	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 04:01	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 04:01	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 04:01	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 04:01	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 04:01	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 04:01	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 04:01	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 04:01	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 04:01	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 04:01	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 04:01	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 04:01	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 04:01	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 04:01	WG2062690
1,1-Dichloroethene	0.125		0.0200	0.100	1	05/19/2023 04:01	WG2062690
cis-1,2-Dichloroethene	20.1		0.0276	0.100	1	05/19/2023 04:01	WG2062690
trans-1,2-Dichloroethene	1.52		0.0572	0.200	1	05/19/2023 04:01	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 04:01	WG2062690

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		0.0280	0.100	1	05/19/2023 04:01	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 04:01	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 04:01	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 04:01	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 04:01	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 04:01	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 04:01	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 04:01	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 04:01	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 04:01	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 04:01	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 04:01	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 04:01	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 04:01	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 04:01	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 04:01	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 04:01	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 04:01	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 04:01	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 04:01	WG2062690
Tetrachloroethene	U		0.140	0.500	5	05/25/2023 05:11	WG2065856
Toluene	U		0.0500	0.200	1	05/19/2023 04:01	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 04:01	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 04:01	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 04:01	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 04:01	WG2062690
Trichloroethene	U		0.0800	0.200	5	05/25/2023 05:11	WG2065856
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 04:01	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 04:01	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 04:01	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 04:01	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 04:01	WG2062690
Vinyl chloride	105		0.137	0.500	5	05/25/2023 05:11	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 04:01	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 04:01	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 04:01	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 04:01	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 04:01	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 04:01	WG2062690
(S) Toluene-d8	*104*			*75.0-131*		*05/19/2023 04:01*	WG2062690
(S) Toluene-d8	*108*			*75.0-131*		*05/25/2023 05:11*	WG2065856
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/19/2023 04:01*	WG2062690
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*		*05/25/2023 05:11*	WG2065856
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/19/2023 04:01*	WG2062690
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*05/25/2023 05:11*	WG2065856

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	13700		594	5000	1	05/20/2023 19:37	WG2063742

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)	7150		102	1000	1	05/19/2023 08:30	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1690		28.1	100	1	05/22/2023 11:51	WG2064053
Manganese	566		0.704	5.00	1	05/22/2023 11:51	WG2064053

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5360		0.287	0.678	1	05/25/2023 11:03	WG2065629
Ethane	21.7		0.296	1.29	1	05/25/2023 11:03	WG2065629
Ethene	443		0.422	1.27	1	05/25/2023 11:03	WG2065629

Volatile 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	05/19/2023 04:20	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 04:20	WG2062690
Benzene	0.195		0.0160	0.0400	1	05/19/2023 04:20	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 04:20	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 04:20	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 04:20	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 04:20	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 04:20	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 04:20	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 04:20	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 04:20	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 04:20	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 04:20	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 04:20	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 04:20	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 04:20	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 04:20	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 04:20	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 04:20	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 04:20	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 04:20	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 04:20	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 04:20	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 04:20	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 04:20	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 04:20	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 04:20	WG2062690
1,1-Dichloroethene	58.6		0.0200	0.100	1	05/19/2023 04:20	WG2062690
cis-1,2-Dichloroethene	4660		6.90	25.0	250	05/25/2023 05:33	WG2065856
trans-1,2-Dichloroethene	14.3		0.0572	0.200	1	05/19/2023 04:20	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 04:20	WG2062690

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		0.0280	0.100	1	05/19/2023 04:20	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 04:20	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 04:20	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 04:20	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 04:20	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 04:20	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 04:20	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 04:20	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 04:20	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 04:20	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 04:20	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 04:20	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 04:20	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 04:20	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 04:20	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 04:20	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 04:20	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 04:20	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 04:20	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 04:20	WG2062690
Tetrachloroethene	14.6		0.0280	0.100	1	05/19/2023 04:20	WG2062690
Toluene	0.780		0.0500	0.200	1	05/19/2023 04:20	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 04:20	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 04:20	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 04:20	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 04:20	WG2062690
Trichloroethene	96.5		4.00	10.0	250	05/25/2023 05:33	WG2065856
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 04:20	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 04:20	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 04:20	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 04:20	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 04:20	WG2062690
Vinyl chloride	1460		6.82	25.0	250	05/25/2023 05:33	WG2065856
Xylenes, Total	0.884		0.191	0.260	1	05/19/2023 04:20	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 04:20	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 04:20	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 04:20	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 04:20	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 04:20	WG2062690
(S) Toluene-d8	*105*			*75.0-131*		*05/19/2023 04:20*	WG2062690
(S) Toluene-d8	*109*			*75.0-131*		*05/25/2023 05:33*	WG2065856
(S) 4-Bromofluorobenzene	*88.1*			*67.0-138*		*05/19/2023 04:20*	WG2062690
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*05/25/2023 05:33*	WG2065856
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/19/2023 04:20*	WG2062690
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/25/2023 05:33*	WG2065856

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	2790	J	594	5000	1	05/20/2023 19:53	WG2063742

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	16800		102	1000	1	05/19/2023 08:51	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	12000		28.1	100	1	05/22/2023 11:54	WG2064053
Manganese	2360		0.704	5.00	1	05/22/2023 11:54	WG2064053

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	26300		2.87	6.78	10	05/25/2023 14:39	WG2066702
Ethane	407		0.296	1.29	1	05/25/2023 11:18	WG2065629
Ethene	2.50		0.422	1.27	1	05/25/2023 11:18	WG2065629

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/19/2023 04:39	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 04:39	WG2062690
Benzene	0.0220	J	0.0160	0.0400	1	05/19/2023 04:39	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 04:39	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 04:39	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 04:39	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 04:39	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 04:39	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 04:39	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 04:39	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 04:39	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 04:39	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 04:39	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 04:39	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 04:39	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 04:39	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 04:39	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 04:39	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 04:39	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 04:39	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 04:39	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 04:39	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 04:39	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 04:39	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 04:39	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 04:39	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 04:39	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 04:39	WG2062690
cis-1,2-Dichloroethene	0.131		0.0276	0.100	1	05/25/2023 02:19	WG2065856
trans-1,2-Dichloroethene	0.698		0.0572	0.200	1	05/19/2023 04:39	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 04:39	WG2062690

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		0.0280	0.100	1	05/19/2023 04:39	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 04:39	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 04:39	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 04:39	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 04:39	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 04:39	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 04:39	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 04:39	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 04:39	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 04:39	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 04:39	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 04:39	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 04:39	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 04:39	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 04:39	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 04:39	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 04:39	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 04:39	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 04:39	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 04:39	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 02:19	WG2065856
Toluene	0.111	J	0.0500	0.200	1	05/19/2023 04:39	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 04:39	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 04:39	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 04:39	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 04:39	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 02:19	WG2065856
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 04:39	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 04:39	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 04:39	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 04:39	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 04:39	WG2062690
Vinyl chloride	1.03		0.0273	0.100	1	05/19/2023 04:39	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/19/2023 04:39	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 04:39	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 04:39	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 04:39	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 04:39	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 04:39	WG2062690
(S) Toluene-d8	*106*			*75.0-131*		*05/19/2023 04:39*	WG2062690
(S) Toluene-d8	*108*			*75.0-131*		*05/25/2023 02:19*	WG2065856
(S) 4-Bromofluorobenzene	*90.0*			*67.0-138*		*05/19/2023 04:39*	WG2062690
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*		*05/25/2023 02:19*	WG2065856
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*05/19/2023 04:39*	WG2062690
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*05/25/2023 02:19*	WG2065856

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	05/20/2023 20:09	WG2063742

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)	19500		102	1000	1	05/20/2023 23:07	WG2062822

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10300		28.1	100	1	05/22/2023 11:57	WG2064053
Manganese	2710		0.704	5.00	1	05/22/2023 11:57	WG2064053

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	24400		2.87	6.78	10	05/25/2023 14:45	WG2066702
Ethane	404		0.296	1.29	1	05/25/2023 11:27	WG2065629
Ethene	U		0.422	1.27	1	05/25/2023 11:27	WG2065629

Volatile 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	05/19/2023 04:59	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 04:59	WG2062690
Benzene	0.0220	J	0.0160	0.0400	1	05/19/2023 04:59	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 04:59	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 04:59	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 04:59	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 04:59	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 04:59	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 04:59	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 04:59	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 04:59	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 04:59	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 04:59	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 04:59	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 04:59	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 04:59	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 04:59	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 04:59	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 04:59	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 04:59	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 04:59	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 04:59	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 04:59	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 04:59	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 04:59	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 04:59	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 04:59	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 04:59	WG2062690
cis-1,2-Dichloroethene	0.0500	J	0.0276	0.100	1	05/25/2023 02:40	WG2065856
trans-1,2-Dichloroethene	0.921		0.0572	0.200	1	05/19/2023 04:59	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 04:59	WG2062690

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		0.0280	0.100	1	05/19/2023 04:59	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 04:59	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 04:59	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 04:59	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 04:59	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 04:59	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 04:59	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 04:59	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 04:59	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 04:59	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 04:59	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 04:59	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 04:59	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 04:59	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 04:59	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 04:59	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 04:59	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 04:59	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 04:59	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 04:59	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 02:40	WG2065856
Toluene	0.138	J	0.0500	0.200	1	05/19/2023 04:59	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 04:59	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 04:59	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 04:59	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 04:59	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 02:40	WG2065856
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 04:59	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 04:59	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 04:59	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 04:59	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 04:59	WG2062690
Vinyl chloride	0.421		0.0273	0.100	1	05/19/2023 04:59	WG2062690
Xylenes, Total	0.385		0.191	0.260	1	05/19/2023 04:59	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 04:59	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 04:59	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 04:59	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 04:59	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 04:59	WG2062690
(S) Toluene-d8	*100*			*75.0-131*		*05/19/2023 04:59*	WG2062690
(S) Toluene-d8	*109*			*75.0-131*		*05/25/2023 02:40*	WG2065856
(S) 4-Bromofluorobenzene	*84.9*			*67.0-138*		*05/19/2023 04:59*	WG2062690
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/25/2023 02:40*	WG2065856
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*05/19/2023 04:59*	WG2062690
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/25/2023 02:40*	WG2065856

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	05/20/2023 20:56	WG2063742

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)	26200		102	1000	1	05/20/2023 23:44	WG2062822

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	25300		28.1	100	1	05/22/2023 12:01	WG2064053
Manganese	5520		0.704	5.00	1	05/22/2023 12:01	WG2064053

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	27700		2.87	6.78	10	05/25/2023 14:57	WG2066702
Ethane	527		0.296	1.29	1	05/25/2023 11:33	WG2065629
Ethene	38.9		0.422	1.27	1	05/25/2023 11:33	WG2065629

Volatile 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	05/19/2023 05:18	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 05:18	WG2062690
Benzene	0.114		0.0160	0.0400	1	05/19/2023 05:18	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 05:18	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 05:18	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 05:18	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 05:18	WG2062690
n-Butylbenzene	U	C3	0.153	0.500	1	05/19/2023 05:18	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 05:18	WG2062690
tert-Butylbenzene	U	C3	0.0620	0.200	1	05/19/2023 05:18	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 05:18	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 05:18	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 05:18	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 05:18	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 05:18	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 05:18	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 05:18	WG2062690
4-Chlorotoluene	U	C3	0.0452	0.200	1	05/19/2023 05:18	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 05:18	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 05:18	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 05:18	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 05:18	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 05:18	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 05:18	WG2062690
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 05:18	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 05:18	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 05:18	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 05:18	WG2062690
cis-1,2-Dichloroethene	10.7		0.0276	0.100	1	05/19/2023 05:18	WG2062690
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/19/2023 05:18	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 05:18	WG2062690

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		0.0280	0.100	1	05/19/2023 05:18	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 05:18	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 05:18	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 05:18	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 05:18	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 05:18	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 05:18	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 05:18	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 05:18	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 05:18	WG2062690
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 05:18	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 05:18	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 05:18	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 05:18	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 05:18	WG2062690
n-Propylbenzene	U	C3	0.0472	0.200	1	05/19/2023 05:18	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 05:18	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 05:18	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 05:18	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 05:18	WG2062690
Tetrachloroethene	0.131		0.0280	0.100	1	05/19/2023 05:18	WG2062690
Toluene	0.413		0.0500	0.200	1	05/19/2023 05:18	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 05:18	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 05:18	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 05:18	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 05:18	WG2062690
Trichloroethene	0.179		0.0160	0.0400	1	05/19/2023 05:18	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 05:18	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 05:18	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 05:18	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 05:18	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 05:18	WG2062690
Vinyl chloride	16.0		0.0273	0.100	1	05/19/2023 05:18	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/19/2023 05:18	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 05:18	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 05:18	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 05:18	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 05:18	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/19/2023 05:18	WG2062690
(S) Toluene-d8	*102*			*75.0-131*		*05/19/2023 05:18*	WG2062690
(S) 4-Bromofluorobenzene	*82.9*			*67.0-138*		*05/19/2023 05:18*	WG2062690
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/19/2023 05:18*	WG2062690

Volatile 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	05/19/2023 05:37	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 05:37	WG2062690
Benzene	U		0.0160	0.0400	1	05/19/2023 05:37	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/25/2023 03:02	WG2065856
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 05:37	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 05:37	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 05:37	WG2062690
n-Butylbenzene	U		0.153	0.500	1	05/25/2023 03:02	WG2065856
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 03:02	WG2065856
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 03:02	WG2065856
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 05:37	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 05:37	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 05:37	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 05:37	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 05:37	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 05:37	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 03:02	WG2065856
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 03:02	WG2065856
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/25/2023 03:02	WG2065856
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 05:37	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 05:37	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 03:02	WG2065856
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 03:02	WG2065856
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 03:02	WG2065856
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/19/2023 05:37	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 05:37	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 05:37	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 05:37	WG2062690
cis-1,2-Dichloroethene	0.269		0.0276	0.100	1	05/19/2023 05:37	WG2062690
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/19/2023 05:37	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 05:37	WG2062690
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2023 05:37	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 05:37	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 05:37	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 05:37	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 05:37	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 05:37	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 05:37	WG2062690
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 03:02	WG2065856
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 05:37	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 03:02	WG2065856
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/19/2023 05:37	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 05:37	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 05:37	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 05:37	WG2062690
Naphthalene	U		0.124	0.500	1	05/25/2023 03:02	WG2065856
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 03:02	WG2065856
Styrene	U		0.109	0.500	1	05/19/2023 05:37	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 05:37	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/25/2023 03:02	WG2065856
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 05:37	WG2062690
Tetrachloroethene	0.167		0.0280	0.100	1	05/19/2023 05:37	WG2062690
Toluene	U		0.0500	0.200	1	05/19/2023 05:37	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/25/2023 03:02	WG2065856
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 03:02	WG2065856
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 05:37	WG2062690

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 05:37	WG2062690
Trichloroethene	0.0780		0.0160	0.0400	1	05/19/2023 05:37	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 05:37	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 03:02	WG2065856
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 03:02	WG2065856
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 03:02	WG2065856
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 03:02	WG2065856
Vinyl chloride	U		0.0273	0.100	1	05/19/2023 05:37	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/19/2023 05:37	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 05:37	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 05:37	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 05:37	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 05:37	WG2062690
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 03:02	WG2065856
(S) Toluene-d8	*112*			*75.0-131*		*05/19/2023 05:37*	WG2062690
(S) Toluene-d8	*111*			*75.0-131*		*05/25/2023 03:02*	WG2065856
(S) 4-Bromofluorobenzene	*83.6*			*67.0-138*		*05/19/2023 05:37*	WG2062690
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/25/2023 03:02*	WG2065856
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*05/19/2023 05:37*	WG2062690
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*05/25/2023 03:02*	WG2065856

Volatile 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	05/20/2023 02:53	WG2063055
Acrylonitrile	U		0.0760	0.500	1	05/20/2023 02:53	WG2063055
Benzene	8.66		0.0160	0.0400	1	05/20/2023 02:53	WG2063055
Bromobenzene	U		0.0420	0.500	1	05/20/2023 02:53	WG2063055
Bromodichloromethane	U		0.0315	0.100	1	05/20/2023 02:53	WG2063055
Bromoform	U		0.239	1.00	1	05/20/2023 02:53	WG2063055
Bromomethane	U		0.148	0.500	1	05/20/2023 02:53	WG2063055
n-Butylbenzene	U		0.153	0.500	1	05/20/2023 02:53	WG2063055
sec-Butylbenzene	U		0.101	0.500	1	05/20/2023 02:53	WG2063055
tert-Butylbenzene	U		0.0620	0.200	1	05/20/2023 02:53	WG2063055
Carbon tetrachloride	U		0.0432	0.200	1	05/20/2023 02:53	WG2063055
Chlorobenzene	U		0.0229	0.100	1	05/20/2023 02:53	WG2063055
Chlorodibromomethane	U		0.0180	0.100	1	05/20/2023 02:53	WG2063055
Chloroethane	U		0.0432	0.200	1	05/20/2023 02:53	WG2063055
Chloroform	0.330		0.0166	0.100	1	05/20/2023 02:53	WG2063055
Chloromethane	0.701		0.0556	0.500	1	05/20/2023 02:53	WG2063055
2-Chlorotoluene	U		0.0368	0.100	1	05/20/2023 02:53	WG2063055
4-Chlorotoluene	U		0.0452	0.200	1	05/20/2023 02:53	WG2063055
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/20/2023 02:53	WG2063055
1,2-Dibromoethane	U		0.0210	0.100	1	05/20/2023 02:53	WG2063055
Dibromomethane	U		0.0400	0.200	1	05/20/2023 02:53	WG2063055
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/20/2023 02:53	WG2063055
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/20/2023 02:53	WG2063055
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/20/2023 02:53	WG2063055
Dichlorodifluoromethane	U		0.0327	0.100	1	05/20/2023 02:53	WG2063055
1,1-Dichloroethane	U		0.0230	0.100	1	05/20/2023 02:53	WG2063055
1,2-Dichloroethane	U		0.0190	0.100	1	05/20/2023 02:53	WG2063055
1,1-Dichloroethene	U		0.0200	0.100	1	05/20/2023 02:53	WG2063055
cis-1,2-Dichloroethene	70.9		0.0276	0.100	1	05/20/2023 02:53	WG2063055
trans-1,2-Dichloroethene	1.24		0.0572	0.200	1	05/20/2023 02:53	WG2063055
1,2-Dichloropropane	U		0.0508	0.200	1	05/20/2023 02:53	WG2063055
1,1-Dichloropropene	U		0.0280	0.100	1	05/20/2023 02:53	WG2063055
1,3-Dichloropropane	U		0.0700	0.200	1	05/20/2023 02:53	WG2063055
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/20/2023 02:53	WG2063055
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/20/2023 02:53	WG2063055
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/20/2023 02:53	WG2063055
Di-isopropyl ether	U		0.0140	0.0400	1	05/20/2023 02:53	WG2063055
Ethylbenzene	U		0.0212	0.100	1	05/20/2023 02:53	WG2063055
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/20/2023 02:53	WG2063055
Isopropylbenzene	U		0.0345	0.100	1	05/20/2023 02:53	WG2063055
p-Isopropyltoluene	U		0.0932	0.200	1	05/20/2023 02:53	WG2063055
2-Butanone (MEK)	U		0.500	1.00	1	05/20/2023 02:53	WG2063055
Methylene Chloride	U		0.265	1.00	1	05/20/2023 02:53	WG2063055
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/20/2023 02:53	WG2063055
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/20/2023 02:53	WG2063055
Naphthalene	U	C3	0.124	0.500	1	05/20/2023 02:53	WG2063055
n-Propylbenzene	U		0.0472	0.200	1	05/20/2023 02:53	WG2063055
Styrene	U		0.109	0.500	1	05/20/2023 02:53	WG2063055
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/20/2023 02:53	WG2063055
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/20/2023 02:53	WG2063055
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/20/2023 02:53	WG2063055
Tetrachloroethene	U		0.0280	0.100	1	05/20/2023 02:53	WG2063055
Toluene	0.113	J	0.0500	0.200	1	05/20/2023 02:53	WG2063055
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/20/2023 02:53	WG2063055
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/20/2023 02:53	WG2063055
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/20/2023 02:53	WG2063055

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/20/2023 02:53	WG2063055
Trichloroethene	U		0.0160	0.0400	1	05/20/2023 02:53	WG2063055
Trichlorofluoromethane	U		0.0200	0.100	1	05/20/2023 02:53	WG2063055
1,2,3-Trichloropropane	U		0.204	0.500	1	05/20/2023 02:53	WG2063055
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/20/2023 02:53	WG2063055
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/20/2023 02:53	WG2063055
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/20/2023 02:53	WG2063055
Vinyl chloride	31.9		0.0273	0.100	1	05/20/2023 02:53	WG2063055
Xylenes, Total	U		0.191	0.260	1	05/20/2023 02:53	WG2063055
Ethyl Ether	U		0.0170	0.100	1	05/20/2023 02:53	WG2063055
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/20/2023 02:53	WG2063055
Iodomethane	U		0.242	0.500	1	05/20/2023 02:53	WG2063055
Allyl chloride	U		0.580	1.00	1	05/20/2023 02:53	WG2063055
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/20/2023 02:53	WG2063055
(S) Toluene-d8	*107*			*75.0-131*		*05/20/2023 02:53*	WG2063055
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*05/20/2023 02:53*	WG2063055
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/20/2023 02:53*	WG2063055

Volatile 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	05/20/2023 03:12	WG2063055
Acrylonitrile	U		0.0760	0.500	1	05/20/2023 03:12	WG2063055
Benzene	U		0.0160	0.0400	1	05/20/2023 03:12	WG2063055
Bromobenzene	U		0.0420	0.500	1	05/20/2023 03:12	WG2063055
Bromodichloromethane	U		0.0315	0.100	1	05/20/2023 03:12	WG2063055
Bromoform	U		0.239	1.00	1	05/20/2023 03:12	WG2063055
Bromomethane	U		0.148	0.500	1	05/20/2023 03:12	WG2063055
n-Butylbenzene	U		0.153	0.500	1	05/20/2023 03:12	WG2063055
sec-Butylbenzene	U		0.101	0.500	1	05/20/2023 03:12	WG2063055
tert-Butylbenzene	U		0.0620	0.200	1	05/20/2023 03:12	WG2063055
Carbon tetrachloride	U		0.0432	0.200	1	05/20/2023 03:12	WG2063055
Chlorobenzene	U		0.0229	0.100	1	05/20/2023 03:12	WG2063055
Chlorodibromomethane	U		0.0180	0.100	1	05/20/2023 03:12	WG2063055
Chloroethane	U		0.0432	0.200	1	05/20/2023 03:12	WG2063055
Chloroform	U		0.0166	0.100	1	05/20/2023 03:12	WG2063055
Chloromethane	U		0.0556	0.500	1	05/20/2023 03:12	WG2063055
2-Chlorotoluene	U		0.0368	0.100	1	05/20/2023 03:12	WG2063055
4-Chlorotoluene	U		0.0452	0.200	1	05/20/2023 03:12	WG2063055
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/20/2023 03:12	WG2063055
1,2-Dibromoethane	U		0.0210	0.100	1	05/20/2023 03:12	WG2063055
Dibromomethane	U		0.0400	0.200	1	05/20/2023 03:12	WG2063055
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/20/2023 03:12	WG2063055
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/20/2023 03:12	WG2063055
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/20/2023 03:12	WG2063055
Dichlorodifluoromethane	U		0.0327	0.100	1	05/20/2023 03:12	WG2063055
1,1-Dichloroethane	U		0.0230	0.100	1	05/20/2023 03:12	WG2063055
1,2-Dichloroethane	U		0.0190	0.100	1	05/20/2023 03:12	WG2063055
1,1-Dichloroethene	U		0.0200	0.100	1	05/20/2023 03:12	WG2063055
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/20/2023 03:12	WG2063055
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/20/2023 03:12	WG2063055
1,2-Dichloropropane	U		0.0508	0.200	1	05/20/2023 03:12	WG2063055
1,1-Dichloropropene	U		0.0280	0.100	1	05/20/2023 03:12	WG2063055
1,3-Dichloropropane	U		0.0700	0.200	1	05/20/2023 03:12	WG2063055
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/20/2023 03:12	WG2063055
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/20/2023 03:12	WG2063055
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/20/2023 03:12	WG2063055
Di-isopropyl ether	U		0.0140	0.0400	1	05/20/2023 03:12	WG2063055
Ethylbenzene	U		0.0212	0.100	1	05/20/2023 03:12	WG2063055
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/20/2023 03:12	WG2063055
Isopropylbenzene	U		0.0345	0.100	1	05/20/2023 03:12	WG2063055
p-Isopropyltoluene	U		0.0932	0.200	1	05/20/2023 03:12	WG2063055
2-Butanone (MEK)	U		0.500	1.00	1	05/20/2023 03:12	WG2063055
Methylene Chloride	U		0.265	1.00	1	05/20/2023 03:12	WG2063055
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/20/2023 03:12	WG2063055
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/20/2023 03:12	WG2063055
Naphthalene	U	C3	0.124	0.500	1	05/20/2023 03:12	WG2063055
n-Propylbenzene	U		0.0472	0.200	1	05/20/2023 03:12	WG2063055
Styrene	U		0.109	0.500	1	05/20/2023 03:12	WG2063055
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/20/2023 03:12	WG2063055
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/20/2023 03:12	WG2063055
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/20/2023 03:12	WG2063055
Tetrachloroethene	U		0.0280	0.100	1	05/20/2023 03:12	WG2063055
Toluene	U		0.0500	0.200	1	05/20/2023 03:12	WG2063055
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/20/2023 03:12	WG2063055
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/20/2023 03:12	WG2063055
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/20/2023 03:12	WG2063055

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/20/2023 03:12	WG2063055
Trichloroethene	U		0.0160	0.0400	1	05/20/2023 03:12	WG2063055
Trichlorofluoromethane	U		0.0200	0.100	1	05/20/2023 03:12	WG2063055
1,2,3-Trichloropropane	U		0.204	0.500	1	05/20/2023 03:12	WG2063055
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/20/2023 03:12	WG2063055
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/20/2023 03:12	WG2063055
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/20/2023 03:12	WG2063055
Vinyl chloride	U		0.0273	0.100	1	05/20/2023 03:12	WG2063055
Xylenes, Total	U		0.191	0.260	1	05/20/2023 03:12	WG2063055
Ethyl Ether	U		0.0170	0.100	1	05/20/2023 03:12	WG2063055
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/20/2023 03:12	WG2063055
Iodomethane	U		0.242	0.500	1	05/20/2023 03:12	WG2063055
Allyl chloride	U		0.580	1.00	1	05/20/2023 03:12	WG2063055
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/20/2023 03:12	WG2063055
(S) Toluene-d8	*108*			*75.0-131*		*05/20/2023 03:12*	WG2063055
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/20/2023 03:12*	WG2063055
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/20/2023 03:12*	WG2063055

Volatile 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	11.0	20.0	20	05/20/2023 08:34	WG2063055
Acrylonitrile	U		1.52	10.0	20	05/20/2023 08:34	WG2063055
Benzene	3.28		0.320	0.800	20	05/20/2023 08:34	WG2063055
Bromobenzene	U		0.840	10.0	20	05/20/2023 08:34	WG2063055
Bromodichloromethane	U		0.630	2.00	20	05/20/2023 08:34	WG2063055
Bromoform	U		4.78	20.0	20	05/20/2023 08:34	WG2063055
Bromomethane	U		2.96	10.0	20	05/20/2023 08:34	WG2063055
n-Butylbenzene	U		3.06	10.0	20	05/20/2023 08:34	WG2063055
sec-Butylbenzene	U		2.02	10.0	20	05/20/2023 08:34	WG2063055
tert-Butylbenzene	U		1.24	4.00	20	05/20/2023 08:34	WG2063055
Carbon tetrachloride	U		0.864	4.00	20	05/20/2023 08:34	WG2063055
Chlorobenzene	U		0.458	2.00	20	05/20/2023 08:34	WG2063055
Chlorodibromomethane	U		0.360	2.00	20	05/20/2023 08:34	WG2063055
Chloroethane	U		0.864	4.00	20	05/20/2023 08:34	WG2063055
Chloroform	U		0.332	2.00	20	05/20/2023 08:34	WG2063055
Chloromethane	U		1.11	10.0	20	05/20/2023 08:34	WG2063055
2-Chlorotoluene	U		0.736	2.00	20	05/20/2023 08:34	WG2063055
4-Chlorotoluene	U		0.904	4.00	20	05/20/2023 08:34	WG2063055
1,2-Dibromo-3-Chloropropane	U	C3	4.08	20.0	20	05/20/2023 08:34	WG2063055
1,2-Dibromoethane	U		0.420	2.00	20	05/20/2023 08:34	WG2063055
Dibromomethane	U		0.800	4.00	20	05/20/2023 08:34	WG2063055
1,2-Dichlorobenzene	U		1.16	4.00	20	05/20/2023 08:34	WG2063055
1,3-Dichlorobenzene	U		1.36	4.00	20	05/20/2023 08:34	WG2063055
1,4-Dichlorobenzene	U		1.58	4.00	20	05/20/2023 08:34	WG2063055
Dichlorodifluoromethane	U		0.654	2.00	20	05/20/2023 08:34	WG2063055
1,1-Dichloroethane	U		0.460	2.00	20	05/20/2023 08:34	WG2063055
1,2-Dichloroethane	U		0.380	2.00	20	05/20/2023 08:34	WG2063055
1,1-Dichloroethene	U		0.400	2.00	20	05/20/2023 08:34	WG2063055
cis-1,2-Dichloroethene	493		0.552	2.00	20	05/20/2023 08:34	WG2063055
trans-1,2-Dichloroethene	U		1.14	4.00	20	05/20/2023 08:34	WG2063055
1,2-Dichloropropane	U		1.02	4.00	20	05/20/2023 08:34	WG2063055
1,1-Dichloropropene	U		0.560	2.00	20	05/20/2023 08:34	WG2063055
1,3-Dichloropropane	U		1.40	4.00	20	05/20/2023 08:34	WG2063055
cis-1,3-Dichloropropene	U		0.542	2.00	20	05/20/2023 08:34	WG2063055
trans-1,3-Dichloropropene	U		1.22	4.00	20	05/20/2023 08:34	WG2063055
2,2-Dichloropropane	U	C3	0.634	2.00	20	05/20/2023 08:34	WG2063055
Di-isopropyl ether	U		0.280	0.800	20	05/20/2023 08:34	WG2063055
Ethylbenzene	U		0.424	2.00	20	05/20/2023 08:34	WG2063055
Hexachloro-1,3-butadiene	U		10.2	20.0	20	05/20/2023 08:34	WG2063055
Isopropylbenzene	U		0.690	2.00	20	05/20/2023 08:34	WG2063055
p-Isopropyltoluene	U		1.86	4.00	20	05/20/2023 08:34	WG2063055
2-Butanone (MEK)	U		10.0	20.0	20	05/20/2023 08:34	WG2063055
Methylene Chloride	U		5.30	20.0	20	05/20/2023 08:34	WG2063055
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	05/20/2023 08:34	WG2063055
Methyl tert-butyl ether	U		0.236	0.800	20	05/20/2023 08:34	WG2063055
Naphthalene	U	C3	2.48	10.0	20	05/20/2023 08:34	WG2063055
n-Propylbenzene	U		0.944	4.00	20	05/20/2023 08:34	WG2063055
Styrene	U		2.18	10.0	20	05/20/2023 08:34	WG2063055
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	05/20/2023 08:34	WG2063055
1,1,2,2-Tetrachloroethane	U	C3	0.312	2.00	20	05/20/2023 08:34	WG2063055
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	05/20/2023 08:34	WG2063055
Tetrachloroethene	14.4		0.560	2.00	20	05/20/2023 08:34	WG2063055
Toluene	U		1.00	4.00	20	05/20/2023 08:34	WG2063055
1,2,3-Trichlorobenzene	U	C3	0.500	10.0	20	05/20/2023 08:34	WG2063055
1,2,4-Trichlorobenzene	U		3.86	10.0	20	05/20/2023 08:34	WG2063055
1,1,1-Trichloroethane	U		0.220	2.00	20	05/20/2023 08:34	WG2063055

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.706	2.00	20	05/20/2023 08:34	WG2063055
Trichloroethene	8.72		0.320	0.800	20	05/20/2023 08:34	WG2063055
Trichlorofluoromethane	U		0.400	2.00	20	05/20/2023 08:34	WG2063055
1,2,3-Trichloropropane	U		4.08	10.0	20	05/20/2023 08:34	WG2063055
1,2,4-Trimethylbenzene	U		0.928	4.00	20	05/20/2023 08:34	WG2063055
1,2,3-Trimethylbenzene	U		0.920	4.00	20	05/20/2023 08:34	WG2063055
1,3,5-Trimethylbenzene	U		0.864	4.00	20	05/20/2023 08:34	WG2063055
Vinyl chloride	132		0.546	2.00	20	05/20/2023 08:34	WG2063055
Xylenes, Total	U		3.82	5.20	20	05/20/2023 08:34	WG2063055
Ethyl Ether	U		0.340	2.00	20	05/20/2023 08:34	WG2063055
Tetrahydrofuran	U	C3	1.80	10.0	20	05/20/2023 08:34	WG2063055
Iodomethane	U		4.84	10.0	20	05/20/2023 08:34	WG2063055
Allyl chloride	U		11.6	20.0	20	05/20/2023 08:34	WG2063055
Trans-1,4-Dichloro-2-butene	U	C3	1.12	4.00	20	05/20/2023 08:34	WG2063055
(S) Toluene-d8	*107*			*75.0-131*		*05/20/2023 08:34*	WG2063055
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*05/20/2023 08:34*	WG2063055
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*05/20/2023 08:34*	WG2063055

Sample Narrative:

L1616159-10 WG2063055: Target compounds too high to run at a lower dilution.

Method Blank (MB)

(MB) R3932060-1 05/22/23 21:39

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

L1616131-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1616131-09 05/23/23 00:14 • (DUP) R3932060-3 05/23/23 00:28

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	59700	59700	1	0.0963		15

L1616158-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1616158-05 05/23/23 05:55 • (DUP) R3932060-6 05/23/23 06:08

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	30300	30500	1	0.377		15

Laboratory Control Sample (LCS)

(LCS) R3932060-2 05/22/23 21:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	39600	99.0	80.0-120	

L1616131-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616131-09 05/23/23 00:14 • (MS) R3932060-4 05/23/23 00:42 • (MSD) R3932060-5 05/23/23 00:55

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	59700	107000	108000	95.2	96.2	1	80.0-120			0.488	15

L1616158-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1616158-05 05/23/23 05:55 • (MS) R3932060-7 05/23/23 06:21

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	50000	30300	77900	95.2	1	80.0-120	

Method Blank (MB)

(MB) R3928443-1 05/20/23 12:00

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

L1616154-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1616154-01 05/20/23 18:34 • (DUP) R3928443-3 05/20/23 18:49

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	3910	3850	1	1.37	J	15

L1616171-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1616171-02 05/20/23 21:28 • (DUP) R3928443-8 05/20/23 21:44

Analyte	Original Result	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate		941000	1	0.162	E	15

Laboratory Control Sample (LCS)

(LCS) R3928443-2 05/20/23 12:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	40500	101	80.0-120	

L1616154-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1616154-01 05/20/23 18:34 • (MS) R3928443-4 05/20/23 19:05

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	50000	3910	53900	99.9	1	80.0-120	

L1616171-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616171-02 05/20/23 21:28 • (MS) R3928443-9 05/20/23 22:00 • (MSD) R3928443-10 05/20/23 22:16

Analyte	Spike Amount ug/l	Original Result	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	50000		971000	970000	63.2	62.6	1	80.0-120	E V	E V	0.0262	15

Method Blank (MB)

(MB) R3927142-2 05/18/23 20:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	284	J	102	1000

L1615692-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1615692-11 05/18/23 21:48 • (DUP) R3927142-3 05/18/23 22:07

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	3680	3600	1	2.25		20

L1616156-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1616156-05 05/19/23 04:03 • (DUP) R3927142-6 05/19/23 04:24

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	14400	14000	1	2.40		20

Laboratory Control Sample (LCS)

(LCS) R3927142-1 05/18/23 16:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	74300	99.0	85.0-115	

L1616149-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616149-07 05/18/23 23:09 • (MS) R3927142-4 05/18/23 23:32 • (MSD) R3927142-5 05/18/23 23:55

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 %
TOC (Total Organic Carbon)	50000	7570	50600	57400	86.1	99.6	1	80.0-120			12.5	20

L1616158-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616158-01 05/19/23 04:43 • (MS) R3927142-7 05/19/23 05:06 • (MSD) R3927142-8 05/19/23 05:29

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 %
TOC (Total Organic Carbon)	50000	10200	57400	58800	94.5	97.2	1	80.0-120			2.34	20

Method Blank (MB)

(MB) R3927518-2 05/20/23 22:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	383	J	102	1000

L1616159-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1616159-05 05/20/23 23:07 • (DUP) R3927518-3 05/20/23 23:26

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	19500	20000	1	2.68		20

L1616205-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1616205-12 05/21/23 08:01 • (DUP) R3927518-5 05/21/23 08:20

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	875	809	1	7.84	J	20

Laboratory Control Sample (LCS)

(LCS) R3927518-1 05/20/23 22:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	78400	105	85.0-115	

L1616159-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616159-06 05/20/23 23:44 • (MS) R3927518-4 05/21/23 00:05 • (MSD) R3927518-8 05/21/23 13:40

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 %
TOC (Total Organic Carbon)	50000	26200	79100	76500	106	100	1	80.0-120			3.41	20

L1616205-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616205-13 05/21/23 08:37 • (MS) R3927518-6 05/21/23 08:57 • (MSD) R3927518-7 05/21/23 09:18

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	5160	57800	57800	105	105	1	80.0-120			0.000	20

Method Blank (MB)

(MB) R3927631-1 05/22/23 10:21

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

Laboratory Control Sample (LCS)

(LCS) R3927631-2 05/22/23 10:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	1000	1030	103	80.0-120	
Manganese	50.0	51.3	103	80.0-120	

L1616022-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616022-01 05/22/23 10:28 • (MS) R3927631-4 05/22/23 10:34 • (MSD) R3927631-5 05/22/23 10:37

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	1000	475	1520	1500	105	103	1	75.0-125			1.28	20
Manganese	50.0	870	924	913	109	87.4	1	75.0-125			1.19	20

Method Blank (MB)

(MB) R3929305-2 05/25/23 10:17

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

L1616159-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1616159-03 05/25/23 11:03 • (DUP) R3929305-3 05/25/23 11:23

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	5360	5530	1	3.12		20
Ethane	21.7	26.1	1	18.4		20
Ethene	443	463	1	4.42		20

L1616205-32 Original Sample (OS) • Duplicate (DUP)

(OS) L1616205-32 05/25/23 11:52 • (DUP) R3929305-4 05/25/23 12:09

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	628	625	1	0.479		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) R3929305-1 05/25/23 10:15 • (LCSD) R3929305-5 05/25/23 12:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	66.0	66.0	97.3	97.3	85.0-115			0.000	20
Ethane	129	119	118	92.2	91.5	85.0-115			0.844	20
Ethene	127	120	119	94.5	93.7	85.0-115			0.837	20

Method Blank (MB)

(MB) R3929483-2 05/25/23 13:52

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

L1616159-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1616159-06 05/25/23 14:57 • (DUP) R3929483-3 05/25/23 15:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	27700	26800	10	3.30		20

L1617171-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1617171-09 05/25/23 16:02 • (DUP) R3929483-4 05/25/23 16:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	37500	37100	10	1.07		20

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

(LCS) R3929483-1 05/25/23 13:50 • (LCSD) R3929483-5 05/25/23 16:14

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	%	%	%			%	%
Methane	67.8	65.2	65.6	96.2	96.8	85.0-115			0.612	20

Method Blank (MB)

(MB) R3928738-2 05/18/23 21:57

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

Method Blank (MB)

(MB) R3928738-2 05/18/23 21:57

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	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*82.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3928738-1 05/18/23 20:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	22.0	88.0	10.0-160	
Acrylonitrile	25.0	26.2	105	45.0-153	
Benzene	5.00	4.16	83.2	70.0-123	
Bromobenzene	5.00	4.76	95.2	73.0-121	
Bromodichloromethane	5.00	4.56	91.2	73.0-121	
Bromoform	5.00	5.70	114	64.0-132	
Bromomethane	5.00	4.78	95.6	56.0-147	
n-Butylbenzene	5.00	3.90	78.0	68.0-135	
sec-Butylbenzene	5.00	4.15	83.0	74.0-130	
tert-Butylbenzene	5.00	3.90	78.0	75.0-127	
Carbon tetrachloride	5.00	5.18	104	66.0-128	
Chlorobenzene	5.00	4.91	98.2	76.0-128	
Chlorodibromomethane	5.00	5.24	105	74.0-127	
Chloroethane	5.00	4.89	97.8	61.0-134	
Chloroform	5.00	4.51	90.2	72.0-123	
Chloromethane	5.00	5.76	115	51.0-138	
2-Chlorotoluene	5.00	4.76	95.2	75.0-124	
4-Chlorotoluene	5.00	3.85	77.0	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	5.26	105	59.0-130	
1,2-Dibromoethane	5.00	4.86	97.2	74.0-128	
Dibromomethane	5.00	4.48	89.6	75.0-122	
1,2-Dichlorobenzene	5.00	4.93	98.6	76.0-124	
1,3-Dichlorobenzene	5.00	5.24	105	76.0-125	
1,4-Dichlorobenzene	5.00	4.71	94.2	77.0-121	
Dichlorodifluoromethane	5.00	3.67	73.4	43.0-156	
1,1-Dichloroethane	5.00	4.67	93.4	70.0-127	
1,2-Dichloroethane	5.00	4.98	99.6	65.0-131	
1,1-Dichloroethene	5.00	4.73	94.6	65.0-131	
cis-1,2-Dichloroethene	5.00	4.21	84.2	73.0-125	
trans-1,2-Dichloroethene	5.00	4.27	85.4	71.0-125	
1,2-Dichloropropane	5.00	4.71	94.2	74.0-125	
1,1-Dichloropropene	5.00	4.56	91.2	73.0-125	
1,3-Dichloropropane	5.00	4.49	89.8	80.0-125	
cis-1,3-Dichloropropene	5.00	4.50	90.0	76.0-127	
trans-1,3-Dichloropropene	5.00	4.40	88.0	73.0-127	
2,2-Dichloropropane	5.00	4.48	89.6	59.0-135	
Di-isopropyl ether	5.00	4.90	98.0	60.0-136	
Ethylbenzene	5.00	4.51	90.2	74.0-126	
Hexachloro-1,3-butadiene	5.00	7.93	159	57.0-150	J4
Isopropylbenzene	5.00	4.40	88.0	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) R3928738-1 05/18/23 20:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
p-Isopropyltoluene	5.00	4.23	84.6	72.0-133	
2-Butanone (MEK)	25.0	19.1	76.4	30.0-160	
Methylene Chloride	5.00	4.46	89.2	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	27.0	108	56.0-143	
Methyl tert-butyl ether	5.00	4.19	83.8	66.0-132	
Naphthalene	5.00	4.27	85.4	59.0-130	
n-Propylbenzene	5.00	3.75	75.0	74.0-126	
Styrene	5.00	4.18	83.6	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	5.52	110	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	4.02	80.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.15	83.0	61.0-139	
Tetrachloroethene	5.00	5.67	113	70.0-136	
Toluene	5.00	4.61	92.2	75.0-121	
1,2,3-Trichlorobenzene	5.00	6.31	126	59.0-139	
1,2,4-Trichlorobenzene	5.00	7.00	140	62.0-137	J4
1,1,1-Trichloroethane	5.00	4.78	95.6	69.0-126	
1,1,2-Trichloroethane	5.00	4.39	87.8	78.0-123	
Trichloroethene	5.00	5.33	107	76.0-126	
Trichlorofluoromethane	5.00	4.75	95.0	61.0-142	
1,2,3-Trichloropropane	5.00	4.66	93.2	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.21	84.2	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.18	83.6	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.04	80.8	73.0-127	
Vinyl chloride	5.00	4.87	97.4	63.0-134	
Xylenes, Total	15.0	14.0	93.3	72.0-127	
Ethyl Ether	5.00	4.60	92.0	64.0-137	
Tetrahydrofuran	5.00	4.04	80.8	37.0-146	
Iodomethane	25.0	25.8	103	74.0-134	
Allyl chloride	25.0	20.8	83.2	70.0-131	
Trans-1,4-Dichloro-2-butene	5.00	2.93	58.6	45.0-143	
(S) Toluene-d8			*96.4*	*75.0-131*	
(S) 4-Bromofluorobenzene			*85.1*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*114*	*70.0-130*	

Method Blank (MB)

(MB) R3927765-2 05/20/23 02:34

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

Method Blank (MB)

(MB) R3927765-2 05/20/23 02:34

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	*108*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3927765-1 05/20/23 01:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	16.1	64.4	10.0-160	
Acrylonitrile	25.0	23.9	95.6	45.0-153	
Benzene	5.00	4.61	92.2	70.0-123	
Bromobenzene	5.00	4.74	94.8	73.0-121	
Bromodichloromethane	5.00	4.73	94.6	73.0-121	
Bromoform	5.00	4.04	80.8	64.0-132	
Bromomethane	5.00	4.69	93.8	56.0-147	
n-Butylbenzene	5.00	4.29	85.8	68.0-135	
sec-Butylbenzene	5.00	4.45	89.0	74.0-130	
tert-Butylbenzene	5.00	4.55	91.0	75.0-127	
Carbon tetrachloride	5.00	4.82	96.4	66.0-128	
Chlorobenzene	5.00	4.79	95.8	76.0-128	
Chlorodibromomethane	5.00	4.35	87.0	74.0-127	
Chloroethane	5.00	4.78	95.6	61.0-134	
Chloroform	5.00	4.81	96.2	72.0-123	
Chloromethane	5.00	4.87	97.4	51.0-138	
2-Chlorotoluene	5.00	4.61	92.2	75.0-124	
4-Chlorotoluene	5.00	4.46	89.2	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	3.35	67.0	59.0-130	
1,2-Dibromoethane	5.00	4.77	95.4	74.0-128	
Dibromomethane	5.00	5.06	101	75.0-122	
1,2-Dichlorobenzene	5.00	4.49	89.8	76.0-124	
1,3-Dichlorobenzene	5.00	4.56	91.2	76.0-125	
1,4-Dichlorobenzene	5.00	4.55	91.0	77.0-121	
Dichlorodifluoromethane	5.00	4.44	88.8	43.0-156	
1,1-Dichloroethane	5.00	4.78	95.6	70.0-127	
1,2-Dichloroethane	5.00	4.90	98.0	65.0-131	
1,1-Dichloroethene	5.00	4.59	91.8	65.0-131	
cis-1,2-Dichloroethene	5.00	5.00	100	73.0-125	
trans-1,2-Dichloroethene	5.00	4.62	92.4	71.0-125	
1,2-Dichloropropane	5.00	4.79	95.8	74.0-125	
1,1-Dichloropropene	5.00	4.80	96.0	73.0-125	
1,3-Dichloropropane	5.00	4.71	94.2	80.0-125	
cis-1,3-Dichloropropene	5.00	4.40	88.0	76.0-127	
trans-1,3-Dichloropropene	5.00	4.27	85.4	73.0-127	
2,2-Dichloropropane	5.00	3.93	78.6	59.0-135	
Di-isopropyl ether	5.00	5.04	101	60.0-136	
Ethylbenzene	5.00	4.89	97.8	74.0-126	
Hexachloro-1,3-butadiene	5.00	4.16	83.2	57.0-150	
Isopropylbenzene	5.00	4.56	91.2	72.0-127	

Laboratory Control Sample (LCS)

(LCS) R3927765-1 05/20/23 01:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
p-Isopropyltoluene	5.00	4.58	91.6	72.0-133	
2-Butanone (MEK)	25.0	28.6	114	30.0-160	
Methylene Chloride	5.00	4.69	93.8	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	25.0	100	56.0-143	
Methyl tert-butyl ether	5.00	4.51	90.2	66.0-132	
Naphthalene	5.00	3.36	67.2	59.0-130	
n-Propylbenzene	5.00	4.37	87.4	74.0-126	
Styrene	5.00	4.41	88.2	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.21	84.2	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	3.78	75.6	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	4.89	97.8	61.0-139	
Tetrachloroethene	5.00	5.24	105	70.0-136	
Toluene	5.00	4.71	94.2	75.0-121	
1,2,3-Trichlorobenzene	5.00	3.83	76.6	59.0-139	
1,2,4-Trichlorobenzene	5.00	4.11	82.2	62.0-137	
1,1,1-Trichloroethane	5.00	4.98	99.6	69.0-126	
1,1,2-Trichloroethane	5.00	4.89	97.8	78.0-123	
Trichloroethene	5.00	5.55	111	76.0-126	
Trichlorofluoromethane	5.00	5.25	105	61.0-142	
1,2,3-Trichloropropane	5.00	4.12	82.4	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.26	85.2	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.26	85.2	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.28	85.6	73.0-127	
Vinyl chloride	5.00	5.06	101	63.0-134	
Xylenes, Total	15.0	14.1	94.0	72.0-127	
Ethyl Ether	5.00	4.47	89.4	64.0-137	
Tetrahydrofuran	5.00	3.13	62.6	37.0-146	
Iodomethane	25.0	23.6	94.4	74.0-134	
Allyl chloride	25.0	23.0	92.0	70.0-131	
Trans-1,4-Dichloro-2-butene	5.00	3.86	77.2	45.0-143	
(S) Toluene-d8			*106*	*75.0-131*	
(S) 4-Bromofluorobenzene			*101*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*106*	*70.0-130*	

Method Blank (MB)

(MB) R3929801-2 05/24/23 22:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bromobenzene	U		0.0420	0.500
n-Butylbenzene	U		0.153	0.500
sec-Butylbenzene	U		0.101	0.500
tert-Butylbenzene	U		0.0620	0.200
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-Dichlorobenzene	U		0.0580	0.200
1,3-Dichlorobenzene	U		0.0680	0.200
1,4-Dichlorobenzene	U		0.0788	0.200
cis-1,2-Dichloroethene	U		0.0276	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
p-Isopropyltoluene	U		0.0932	0.200
Naphthalene	U		0.124	0.500
n-Propylbenzene	U		0.0472	0.200
1,1,2,2-Tetrachloroethane	U		0.0156	0.100
Tetrachloroethene	U		0.0280	0.100
1,2,3-Trichlorobenzene	U		0.0250	0.500
1,2,4-Trichlorobenzene	U		0.193	0.500
Trichloroethene	U		0.0160	0.0400
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
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200
(S) Toluene-d8	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3929801-1 05/24/23 22:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromobenzene	5.00	5.56	111	73.0-121	
n-Butylbenzene	5.00	4.89	97.8	68.0-135	
sec-Butylbenzene	5.00	4.72	94.4	74.0-130	
tert-Butylbenzene	5.00	4.16	83.2	75.0-127	

Laboratory Control Sample (LCS)

(LCS) R3929801-1 05/24/23 22:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Chlorotoluene	5.00	4.97	99.4	75.0-124	
4-Chlorotoluene	5.00	4.70	94.0	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.17	83.4	59.0-130	
1,2-Dichlorobenzene	5.00	5.07	101	76.0-124	
1,3-Dichlorobenzene	5.00	5.12	102	76.0-125	
1,4-Dichlorobenzene	5.00	5.23	105	77.0-121	
cis-1,2-Dichloroethene	5.00	4.57	91.4	73.0-125	
Hexachloro-1,3-butadiene	5.00	4.71	94.2	57.0-150	
p-Isopropyltoluene	5.00	4.92	98.4	72.0-133	
Naphthalene	5.00	4.18	83.6	59.0-130	
n-Propylbenzene	5.00	4.68	93.6	74.0-126	
1,1,2,2-Tetrachloroethane	5.00	4.08	81.6	68.0-128	
Tetrachloroethene	5.00	6.64	133	70.0-136	
1,2,3-Trichlorobenzene	5.00	4.75	95.0	59.0-139	
1,2,4-Trichlorobenzene	5.00	4.83	96.6	62.0-137	
Trichloroethene	5.00	5.95	119	76.0-126	
1,2,3-Trichloropropane	5.00	4.75	95.0	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.75	95.0	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.40	88.0	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.75	95.0	73.0-127	
Vinyl chloride	5.00	4.23	84.6	63.0-134	
Trans-1,4-Dichloro-2-butene	5.00	3.59	71.8	45.0-143	
(S) Toluene-d8			*110*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.7*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*102*	*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
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.
J4	The associated batch QC was outside the established quality control range for accuracy.
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.

cooler 1

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:
Rachel.McLaughlin@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 #
443022-1413001.10.702

Lab Project #
PESENVSWA-ALP

Collected by (print):
Natalie Wisdom

Site/Facility ID #

P.O. # 443022-1413001.10.702
~~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

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-173-051123	G	GW	—	5/11/23	1053	9		X	X	X	X	X	X		-01
MW-174-051123		GW	—		1210			X	X	X	X	X	X		-02
MW-171-051123		GW	—		0911			X	X	X	X	X	X		-03
MW-176-051123		GW	—		1329			X	X	X	X	X	X		-04
MW-175-051123		GW	—		1243			X	X	X	X	X	X		-05
MW-165-051123		GW	—		1440			X	X	X	X	X	X		-06
MW22-051223		GW	—	5/12/23	1140	3							X		-07
MW-308-051223		GW	—		1229								X		-08
MW-309-051223		GW	—		1331								X		-09
MW108-051223		GW	—		1451								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 _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCl / MeOH
TBR
(1)

Temp: °C Bottles Received: 66

Date: 5-13-23 Time: 9:15

If preservation required by Login: 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	
VOA Zero Headspace:	Y N
Preservation Correct/Checked:	Y N
RAD Screen <0.5 mR/hr:	Y N

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

SDG # L1616159

B213

Table #

Acctnum: PESWA

Template: T229085

Prelogin: P994911

PM: 546 - Jared Starkey

PB:

Shipped Via:

LL606059

Tracking Numbers	Temperature
6337 2246 8547	NSA7 3.0+0=3.0
6337 2246 8591	NSA7 4.8+0=4.8
6337 2246 8570	NSA7 4.7+0=4.7
6337 2246 8580	NSA7 5.1+0=5.1

ANALYTICAL REPORT

May 26, 2023

PES Environmental, Inc.- WA

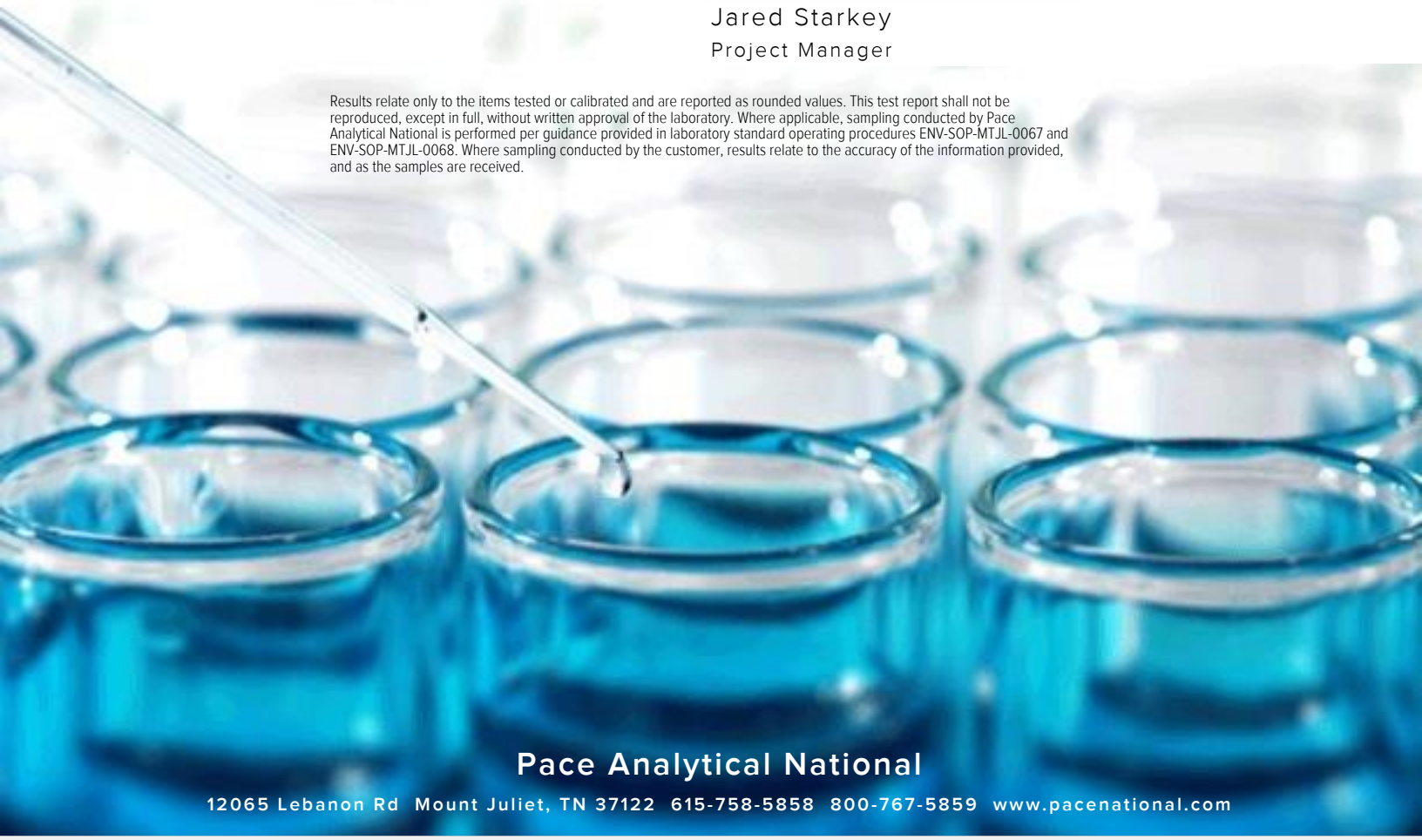
Sample Delivery Group:	L1617058
Samples Received:	05/17/2023
Project Number:	443022
Description:	American Linen - 443022-1413001.10.603.04

Report To:

Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager



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

TABLE OF CONTENTS

MW-349-051623 L1617058-01 GW

Collected by	Collected date/time	Received date/time
	05/16/23 09:28	05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2061355	1	05/17/23 21:03	05/17/23 21:03	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2064302	1	05/25/23 18:40	05/25/23 18:40	AW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065642	1	05/25/23 11:17	05/25/23 11:17	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2066702	10	05/25/23 15:42	05/25/23 15:42	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063807	1	05/21/23 02:26	05/21/23 02:26	BAM	Mt. Juliet, TN

MW-347-051623 L1617058-02 GW

Collected by	Collected date/time	Received date/time
	05/16/23 10:48	05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2061355	1	05/17/23 21:55	05/17/23 21:55	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2064302	1	05/25/23 18:56	05/25/23 18:56	AW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065642	1	05/25/23 11:22	05/25/23 11:22	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063807	1	05/21/23 02:45	05/21/23 02:45	BAM	Mt. Juliet, TN

MW-346-051623 L1617058-03 GW

Collected by	Collected date/time	Received date/time
	05/16/23 12:48	05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2061355	1	05/17/23 22:08	05/17/23 22:08	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2064302	1	05/25/23 19:12	05/25/23 19:12	AW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065642	1	05/25/23 11:28	05/25/23 11:28	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063807	1	05/21/23 03:04	05/21/23 03:04	BAM	Mt. Juliet, TN

MW-988-051623 L1617058-04 GW

Collected by	Collected date/time	Received date/time
	05/16/23 13:00	05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2061355	1	05/17/23 22:20	05/17/23 22:20	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2064302	1	05/25/23 19:28	05/25/23 19:28	AW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065642	1	05/25/23 11:34	05/25/23 11:34	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2063807	1	05/21/23 03:23	05/21/23 03:23	BAM	Mt. Juliet, TN

CASE NARRATIVE

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

Jared Starkey
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	40800		379	1000	1	05/17/2023 21:03	WG2061355
Nitrate	U		48.0	100	1	05/17/2023 21:03	WG2061355
Sulfate	3090	J	594	5000	1	05/17/2023 21:03	WG2061355

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5200		102	1000	1	05/25/2023 18:40	WG2064302

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	21400		2.87	6.78	10	05/25/2023 15:42	WG2066702
Ethane	1.69		0.296	1.29	1	05/25/2023 11:17	WG2065642
Ethene	7.04		0.422	1.27	1	05/25/2023 11:17	WG2065642

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	4.10		0.548	1.00	1	05/21/2023 02:26	WG2063807
Acrylonitrile	U		0.0760	0.500	1	05/21/2023 02:26	WG2063807
Benzene	U		0.0160	0.0400	1	05/21/2023 02:26	WG2063807
Bromobenzene	U		0.0420	0.500	1	05/21/2023 02:26	WG2063807
Bromodichloromethane	U		0.0315	0.100	1	05/21/2023 02:26	WG2063807
Bromoform	U		0.239	1.00	1	05/21/2023 02:26	WG2063807
Bromomethane	U		0.148	0.500	1	05/21/2023 02:26	WG2063807
n-Butylbenzene	U		0.153	0.500	1	05/21/2023 02:26	WG2063807
sec-Butylbenzene	U		0.101	0.500	1	05/21/2023 02:26	WG2063807
tert-Butylbenzene	U		0.0620	0.200	1	05/21/2023 02:26	WG2063807
Carbon tetrachloride	U		0.0432	0.200	1	05/21/2023 02:26	WG2063807
Chlorobenzene	U		0.0229	0.100	1	05/21/2023 02:26	WG2063807
Chlorodibromomethane	U		0.0180	0.100	1	05/21/2023 02:26	WG2063807
Chloroethane	U		0.0432	0.200	1	05/21/2023 02:26	WG2063807
Chloroform	U		0.0166	0.100	1	05/21/2023 02:26	WG2063807
Chloromethane	U		0.0556	0.500	1	05/21/2023 02:26	WG2063807
2-Chlorotoluene	U		0.0368	0.100	1	05/21/2023 02:26	WG2063807
4-Chlorotoluene	U		0.0452	0.200	1	05/21/2023 02:26	WG2063807
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/21/2023 02:26	WG2063807
1,2-Dibromoethane	U		0.0210	0.100	1	05/21/2023 02:26	WG2063807
Dibromomethane	U		0.0400	0.200	1	05/21/2023 02:26	WG2063807
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/21/2023 02:26	WG2063807
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/21/2023 02:26	WG2063807
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/21/2023 02:26	WG2063807
Dichlorodifluoromethane	U		0.0327	0.100	1	05/21/2023 02:26	WG2063807
1,1-Dichloroethane	U		0.0230	0.100	1	05/21/2023 02:26	WG2063807
1,2-Dichloroethane	U		0.0190	0.100	1	05/21/2023 02:26	WG2063807
1,1-Dichloroethene	U		0.0200	0.100	1	05/21/2023 02:26	WG2063807
cis-1,2-Dichloroethene	1.36		0.0276	0.100	1	05/21/2023 02:26	WG2063807
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/21/2023 02:26	WG2063807
1,2-Dichloropropane	U		0.0508	0.200	1	05/21/2023 02:26	WG2063807
1,1-Dichloropropene	U		0.0280	0.100	1	05/21/2023 02:26	WG2063807
1,3-Dichloropropane	U		0.0700	0.200	1	05/21/2023 02:26	WG2063807
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/21/2023 02:26	WG2063807
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/21/2023 02:26	WG2063807

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	05/21/2023 02:26	WG2063807
Di-isopropyl ether	0.0240	J	0.0140	0.0400	1	05/21/2023 02:26	WG2063807
Ethylbenzene	0.160		0.0212	0.100	1	05/21/2023 02:26	WG2063807
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/21/2023 02:26	WG2063807
Isopropylbenzene	U		0.0345	0.100	1	05/21/2023 02:26	WG2063807
p-Isopropyltoluene	U		0.0932	0.200	1	05/21/2023 02:26	WG2063807
2-Butanone (MEK)	U		0.500	1.00	1	05/21/2023 02:26	WG2063807
Methylene Chloride	U		0.265	1.00	1	05/21/2023 02:26	WG2063807
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/21/2023 02:26	WG2063807
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/21/2023 02:26	WG2063807
Naphthalene	U	C3	0.124	0.500	1	05/21/2023 02:26	WG2063807
n-Propylbenzene	U		0.0472	0.200	1	05/21/2023 02:26	WG2063807
Styrene	U		0.109	0.500	1	05/21/2023 02:26	WG2063807
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/21/2023 02:26	WG2063807
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/21/2023 02:26	WG2063807
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/21/2023 02:26	WG2063807
Tetrachloroethene	U		0.0280	0.100	1	05/21/2023 02:26	WG2063807
Toluene	0.998		0.0500	0.200	1	05/21/2023 02:26	WG2063807
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/21/2023 02:26	WG2063807
1,2,4-Trichlorobenzene	U	C3	0.193	0.500	1	05/21/2023 02:26	WG2063807
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/21/2023 02:26	WG2063807
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/21/2023 02:26	WG2063807
Trichloroethene	0.0630		0.0160	0.0400	1	05/21/2023 02:26	WG2063807
Trichlorofluoromethane	U		0.0200	0.100	1	05/21/2023 02:26	WG2063807
1,2,3-Trichloropropane	U		0.204	0.500	1	05/21/2023 02:26	WG2063807
1,2,4-Trimethylbenzene	0.0970	J	0.0464	0.200	1	05/21/2023 02:26	WG2063807
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/21/2023 02:26	WG2063807
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/21/2023 02:26	WG2063807
Vinyl chloride	4.90		0.0273	0.100	1	05/21/2023 02:26	WG2063807
Xylenes, Total	0.915		0.191	0.260	1	05/21/2023 02:26	WG2063807
Ethyl Ether	U		0.0170	0.100	1	05/21/2023 02:26	WG2063807
Tetrahydrofuran	3.21	C3	0.0900	0.500	1	05/21/2023 02:26	WG2063807
Iodomethane	U		0.242	0.500	1	05/21/2023 02:26	WG2063807
Allyl chloride	U		0.580	1.00	1	05/21/2023 02:26	WG2063807
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/21/2023 02:26	WG2063807
(S) Toluene-d8	*105*			*75.0-131*		*05/21/2023 02:26*	WG2063807
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/21/2023 02:26*	WG2063807
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*05/21/2023 02:26*	WG2063807

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	31100		379	1000	1	05/17/2023 21:55	WG2061355
Nitrate	U		48.0	100	1	05/17/2023 21:55	WG2061355
Sulfate	26100		594	5000	1	05/17/2023 21:55	WG2061355

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		102	1000	1	05/25/2023 18:56	WG2064302

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3020		0.287	0.678	1	05/25/2023 11:22	WG2065642
Ethane	1.76		0.296	1.29	1	05/25/2023 11:22	WG2065642
Ethene	10.4		0.422	1.27	1	05/25/2023 11:22	WG2065642

Volatile 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	05/21/2023 02:45	WG2063807
Acrylonitrile	U		0.0760	0.500	1	05/21/2023 02:45	WG2063807
Benzene	U		0.0160	0.0400	1	05/21/2023 02:45	WG2063807
Bromobenzene	U		0.0420	0.500	1	05/21/2023 02:45	WG2063807
Bromodichloromethane	U		0.0315	0.100	1	05/21/2023 02:45	WG2063807
Bromoform	U		0.239	1.00	1	05/21/2023 02:45	WG2063807
Bromomethane	U		0.148	0.500	1	05/21/2023 02:45	WG2063807
n-Butylbenzene	U		0.153	0.500	1	05/21/2023 02:45	WG2063807
sec-Butylbenzene	U		0.101	0.500	1	05/21/2023 02:45	WG2063807
tert-Butylbenzene	U		0.0620	0.200	1	05/21/2023 02:45	WG2063807
Carbon tetrachloride	U		0.0432	0.200	1	05/21/2023 02:45	WG2063807
Chlorobenzene	U		0.0229	0.100	1	05/21/2023 02:45	WG2063807
Chlorodibromomethane	U		0.0180	0.100	1	05/21/2023 02:45	WG2063807
Chloroethane	U		0.0432	0.200	1	05/21/2023 02:45	WG2063807
Chloroform	U		0.0166	0.100	1	05/21/2023 02:45	WG2063807
Chloromethane	U		0.0556	0.500	1	05/21/2023 02:45	WG2063807
2-Chlorotoluene	U		0.0368	0.100	1	05/21/2023 02:45	WG2063807
4-Chlorotoluene	U		0.0452	0.200	1	05/21/2023 02:45	WG2063807
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/21/2023 02:45	WG2063807
1,2-Dibromoethane	U		0.0210	0.100	1	05/21/2023 02:45	WG2063807
Dibromomethane	U		0.0400	0.200	1	05/21/2023 02:45	WG2063807
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/21/2023 02:45	WG2063807
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/21/2023 02:45	WG2063807
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/21/2023 02:45	WG2063807
Dichlorodifluoromethane	U		0.0327	0.100	1	05/21/2023 02:45	WG2063807
1,1-Dichloroethane	U		0.0230	0.100	1	05/21/2023 02:45	WG2063807
1,2-Dichloroethane	U		0.0190	0.100	1	05/21/2023 02:45	WG2063807
1,1-Dichloroethene	U		0.0200	0.100	1	05/21/2023 02:45	WG2063807
cis-1,2-Dichloroethene	2.70		0.0276	0.100	1	05/21/2023 02:45	WG2063807
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/21/2023 02:45	WG2063807
1,2-Dichloropropane	U		0.0508	0.200	1	05/21/2023 02:45	WG2063807
1,1-Dichloropropene	U		0.0280	0.100	1	05/21/2023 02:45	WG2063807
1,3-Dichloropropane	U		0.0700	0.200	1	05/21/2023 02:45	WG2063807
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/21/2023 02:45	WG2063807
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/21/2023 02:45	WG2063807

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	05/21/2023 02:45	WG2063807
Di-isopropyl ether	U		0.0140	0.0400	1	05/21/2023 02:45	WG2063807
Ethylbenzene	0.0740	J	0.0212	0.100	1	05/21/2023 02:45	WG2063807
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/21/2023 02:45	WG2063807
Isopropylbenzene	U		0.0345	0.100	1	05/21/2023 02:45	WG2063807
p-Isopropyltoluene	U		0.0932	0.200	1	05/21/2023 02:45	WG2063807
2-Butanone (MEK)	U		0.500	1.00	1	05/21/2023 02:45	WG2063807
Methylene Chloride	U		0.265	1.00	1	05/21/2023 02:45	WG2063807
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/21/2023 02:45	WG2063807
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/21/2023 02:45	WG2063807
Naphthalene	U	C3	0.124	0.500	1	05/21/2023 02:45	WG2063807
n-Propylbenzene	U		0.0472	0.200	1	05/21/2023 02:45	WG2063807
Styrene	U		0.109	0.500	1	05/21/2023 02:45	WG2063807
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/21/2023 02:45	WG2063807
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/21/2023 02:45	WG2063807
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/21/2023 02:45	WG2063807
Tetrachloroethene	U		0.0280	0.100	1	05/21/2023 02:45	WG2063807
Toluene	0.561		0.0500	0.200	1	05/21/2023 02:45	WG2063807
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/21/2023 02:45	WG2063807
1,2,4-Trichlorobenzene	U	C3	0.193	0.500	1	05/21/2023 02:45	WG2063807
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/21/2023 02:45	WG2063807
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/21/2023 02:45	WG2063807
Trichloroethene	0.189		0.0160	0.0400	1	05/21/2023 02:45	WG2063807
Trichlorofluoromethane	U		0.0200	0.100	1	05/21/2023 02:45	WG2063807
1,2,3-Trichloropropane	U		0.204	0.500	1	05/21/2023 02:45	WG2063807
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/21/2023 02:45	WG2063807
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/21/2023 02:45	WG2063807
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/21/2023 02:45	WG2063807
Vinyl chloride	12.6		0.0273	0.100	1	05/21/2023 02:45	WG2063807
Xylenes, Total	0.518		0.191	0.260	1	05/21/2023 02:45	WG2063807
Ethyl Ether	U		0.0170	0.100	1	05/21/2023 02:45	WG2063807
Tetrahydrofuran	18.4	C3	0.0900	0.500	1	05/21/2023 02:45	WG2063807
Iodomethane	U		0.242	0.500	1	05/21/2023 02:45	WG2063807
Allyl chloride	U		0.580	1.00	1	05/21/2023 02:45	WG2063807
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/21/2023 02:45	WG2063807
(S) Toluene-d8	*106*			*75.0-131*		*05/21/2023 02:45*	WG2063807
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/21/2023 02:45*	WG2063807
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/21/2023 02:45*	WG2063807

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 ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	32200		379	1000	1	05/17/2023 22:08	WG2061355
Nitrate	54.6	J	48.0	100	1	05/17/2023 22:08	WG2061355
Sulfate	73300		594	5000	1	05/17/2023 22:08	WG2061355

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1620		102	1000	1	05/25/2023 19:12	WG2064302

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	89.5		0.287	0.678	1	05/25/2023 11:28	WG2065642
Ethane	U		0.296	1.29	1	05/25/2023 11:28	WG2065642
Ethene	3.51		0.422	1.27	1	05/25/2023 11:28	WG2065642

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/21/2023 03:04	WG2063807
Acrylonitrile	U		0.0760	0.500	1	05/21/2023 03:04	WG2063807
Benzene	U		0.0160	0.0400	1	05/21/2023 03:04	WG2063807
Bromobenzene	U		0.0420	0.500	1	05/21/2023 03:04	WG2063807
Bromodichloromethane	U		0.0315	0.100	1	05/21/2023 03:04	WG2063807
Bromoform	U		0.239	1.00	1	05/21/2023 03:04	WG2063807
Bromomethane	U		0.148	0.500	1	05/21/2023 03:04	WG2063807
n-Butylbenzene	U		0.153	0.500	1	05/21/2023 03:04	WG2063807
sec-Butylbenzene	U		0.101	0.500	1	05/21/2023 03:04	WG2063807
tert-Butylbenzene	U		0.0620	0.200	1	05/21/2023 03:04	WG2063807
Carbon tetrachloride	U		0.0432	0.200	1	05/21/2023 03:04	WG2063807
Chlorobenzene	U		0.0229	0.100	1	05/21/2023 03:04	WG2063807
Chlorodibromomethane	U		0.0180	0.100	1	05/21/2023 03:04	WG2063807
Chloroethane	U		0.0432	0.200	1	05/21/2023 03:04	WG2063807
Chloroform	U		0.0166	0.100	1	05/21/2023 03:04	WG2063807
Chloromethane	U		0.0556	0.500	1	05/21/2023 03:04	WG2063807
2-Chlorotoluene	U		0.0368	0.100	1	05/21/2023 03:04	WG2063807
4-Chlorotoluene	U		0.0452	0.200	1	05/21/2023 03:04	WG2063807
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/21/2023 03:04	WG2063807
1,2-Dibromoethane	U		0.0210	0.100	1	05/21/2023 03:04	WG2063807
Dibromomethane	U		0.0400	0.200	1	05/21/2023 03:04	WG2063807
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/21/2023 03:04	WG2063807
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/21/2023 03:04	WG2063807
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/21/2023 03:04	WG2063807
Dichlorodifluoromethane	U		0.0327	0.100	1	05/21/2023 03:04	WG2063807
1,1-Dichloroethane	U		0.0230	0.100	1	05/21/2023 03:04	WG2063807
1,2-Dichloroethane	U		0.0190	0.100	1	05/21/2023 03:04	WG2063807
1,1-Dichloroethene	U		0.0200	0.100	1	05/21/2023 03:04	WG2063807
cis-1,2-Dichloroethene	2.05		0.0276	0.100	1	05/21/2023 03:04	WG2063807
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/21/2023 03:04	WG2063807
1,2-Dichloropropane	U		0.0508	0.200	1	05/21/2023 03:04	WG2063807
1,1-Dichloropropene	U		0.0280	0.100	1	05/21/2023 03:04	WG2063807
1,3-Dichloropropane	U		0.0700	0.200	1	05/21/2023 03:04	WG2063807
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/21/2023 03:04	WG2063807
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/21/2023 03:04	WG2063807

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		0.0317	0.100	1	05/21/2023 03:04	WG2063807
Di-isopropyl ether	U		0.0140	0.0400	1	05/21/2023 03:04	WG2063807
Ethylbenzene	0.0400	J	0.0212	0.100	1	05/21/2023 03:04	WG2063807
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/21/2023 03:04	WG2063807
Isopropylbenzene	U		0.0345	0.100	1	05/21/2023 03:04	WG2063807
p-Isopropyltoluene	U		0.0932	0.200	1	05/21/2023 03:04	WG2063807
2-Butanone (MEK)	U		0.500	1.00	1	05/21/2023 03:04	WG2063807
Methylene Chloride	U		0.265	1.00	1	05/21/2023 03:04	WG2063807
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/21/2023 03:04	WG2063807
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/21/2023 03:04	WG2063807
Naphthalene	U	C3	0.124	0.500	1	05/21/2023 03:04	WG2063807
n-Propylbenzene	U		0.0472	0.200	1	05/21/2023 03:04	WG2063807
Styrene	U		0.109	0.500	1	05/21/2023 03:04	WG2063807
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/21/2023 03:04	WG2063807
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/21/2023 03:04	WG2063807
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/21/2023 03:04	WG2063807
Tetrachloroethene	0.0370	J	0.0280	0.100	1	05/21/2023 03:04	WG2063807
Toluene	0.448		0.0500	0.200	1	05/21/2023 03:04	WG2063807
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/21/2023 03:04	WG2063807
1,2,4-Trichlorobenzene	U	C3	0.193	0.500	1	05/21/2023 03:04	WG2063807
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/21/2023 03:04	WG2063807
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/21/2023 03:04	WG2063807
Trichloroethene	0.464		0.0160	0.0400	1	05/21/2023 03:04	WG2063807
Trichlorofluoromethane	U		0.0200	0.100	1	05/21/2023 03:04	WG2063807
1,2,3-Trichloropropane	U		0.204	0.500	1	05/21/2023 03:04	WG2063807
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/21/2023 03:04	WG2063807
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/21/2023 03:04	WG2063807
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/21/2023 03:04	WG2063807
Vinyl chloride	2.01		0.0273	0.100	1	05/21/2023 03:04	WG2063807
Xylenes, Total	0.310		0.191	0.260	1	05/21/2023 03:04	WG2063807
Ethyl Ether	U		0.0170	0.100	1	05/21/2023 03:04	WG2063807
Tetrahydrofuran	0.495	C3 J	0.0900	0.500	1	05/21/2023 03:04	WG2063807
Iodomethane	U		0.242	0.500	1	05/21/2023 03:04	WG2063807
Allyl chloride	U		0.580	1.00	1	05/21/2023 03:04	WG2063807
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/21/2023 03:04	WG2063807
(S) Toluene-d8	*104*			*75.0-131*		*05/21/2023 03:04*	WG2063807
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/21/2023 03:04*	WG2063807
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/21/2023 03:04*	WG2063807

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 ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	32500		379	1000	1	05/17/2023 22:20	WG2061355
Nitrate	53.5	J	48.0	100	1	05/17/2023 22:20	WG2061355
Sulfate	76500		594	5000	1	05/17/2023 22:20	WG2061355

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1650		102	1000	1	05/25/2023 19:28	WG2064302

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	103		0.287	0.678	1	05/25/2023 11:34	WG2065642
Ethane	U		0.296	1.29	1	05/25/2023 11:34	WG2065642
Ethene	3.46		0.422	1.27	1	05/25/2023 11:34	WG2065642

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/21/2023 03:23	WG2063807
Acrylonitrile	U		0.0760	0.500	1	05/21/2023 03:23	WG2063807
Benzene	U		0.0160	0.0400	1	05/21/2023 03:23	WG2063807
Bromobenzene	U		0.0420	0.500	1	05/21/2023 03:23	WG2063807
Bromodichloromethane	U		0.0315	0.100	1	05/21/2023 03:23	WG2063807
Bromoform	U		0.239	1.00	1	05/21/2023 03:23	WG2063807
Bromomethane	U		0.148	0.500	1	05/21/2023 03:23	WG2063807
n-Butylbenzene	U		0.153	0.500	1	05/21/2023 03:23	WG2063807
sec-Butylbenzene	U		0.101	0.500	1	05/21/2023 03:23	WG2063807
tert-Butylbenzene	U		0.0620	0.200	1	05/21/2023 03:23	WG2063807
Carbon tetrachloride	U		0.0432	0.200	1	05/21/2023 03:23	WG2063807
Chlorobenzene	U		0.0229	0.100	1	05/21/2023 03:23	WG2063807
Chlorodibromomethane	U		0.0180	0.100	1	05/21/2023 03:23	WG2063807
Chloroethane	U		0.0432	0.200	1	05/21/2023 03:23	WG2063807
Chloroform	U		0.0166	0.100	1	05/21/2023 03:23	WG2063807
Chloromethane	U		0.0556	0.500	1	05/21/2023 03:23	WG2063807
2-Chlorotoluene	U		0.0368	0.100	1	05/21/2023 03:23	WG2063807
4-Chlorotoluene	U		0.0452	0.200	1	05/21/2023 03:23	WG2063807
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/21/2023 03:23	WG2063807
1,2-Dibromoethane	U		0.0210	0.100	1	05/21/2023 03:23	WG2063807
Dibromomethane	U		0.0400	0.200	1	05/21/2023 03:23	WG2063807
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/21/2023 03:23	WG2063807
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/21/2023 03:23	WG2063807
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/21/2023 03:23	WG2063807
Dichlorodifluoromethane	U		0.0327	0.100	1	05/21/2023 03:23	WG2063807
1,1-Dichloroethane	U		0.0230	0.100	1	05/21/2023 03:23	WG2063807
1,2-Dichloroethane	U		0.0190	0.100	1	05/21/2023 03:23	WG2063807
1,1-Dichloroethene	U		0.0200	0.100	1	05/21/2023 03:23	WG2063807
cis-1,2-Dichloroethene	1.97		0.0276	0.100	1	05/21/2023 03:23	WG2063807
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/21/2023 03:23	WG2063807
1,2-Dichloropropane	U		0.0508	0.200	1	05/21/2023 03:23	WG2063807
1,1-Dichloropropene	U		0.0280	0.100	1	05/21/2023 03:23	WG2063807
1,3-Dichloropropane	U		0.0700	0.200	1	05/21/2023 03:23	WG2063807
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/21/2023 03:23	WG2063807
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/21/2023 03:23	WG2063807

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		0.0317	0.100	1	05/21/2023 03:23	WG2063807
Di-isopropyl ether	U		0.0140	0.0400	1	05/21/2023 03:23	WG2063807
Ethylbenzene	0.0500	J	0.0212	0.100	1	05/21/2023 03:23	WG2063807
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/21/2023 03:23	WG2063807
Isopropylbenzene	U		0.0345	0.100	1	05/21/2023 03:23	WG2063807
p-Isopropyltoluene	U		0.0932	0.200	1	05/21/2023 03:23	WG2063807
2-Butanone (MEK)	U		0.500	1.00	1	05/21/2023 03:23	WG2063807
Methylene Chloride	U		0.265	1.00	1	05/21/2023 03:23	WG2063807
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/21/2023 03:23	WG2063807
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/21/2023 03:23	WG2063807
Naphthalene	U	C3	0.124	0.500	1	05/21/2023 03:23	WG2063807
n-Propylbenzene	U		0.0472	0.200	1	05/21/2023 03:23	WG2063807
Styrene	U		0.109	0.500	1	05/21/2023 03:23	WG2063807
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/21/2023 03:23	WG2063807
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/21/2023 03:23	WG2063807
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/21/2023 03:23	WG2063807
Tetrachloroethene	U		0.0280	0.100	1	05/21/2023 03:23	WG2063807
Toluene	0.343		0.0500	0.200	1	05/21/2023 03:23	WG2063807
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/21/2023 03:23	WG2063807
1,2,4-Trichlorobenzene	U	C3	0.193	0.500	1	05/21/2023 03:23	WG2063807
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/21/2023 03:23	WG2063807
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/21/2023 03:23	WG2063807
Trichloroethene	0.432		0.0160	0.0400	1	05/21/2023 03:23	WG2063807
Trichlorofluoromethane	U		0.0200	0.100	1	05/21/2023 03:23	WG2063807
1,2,3-Trichloropropane	U		0.204	0.500	1	05/21/2023 03:23	WG2063807
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/21/2023 03:23	WG2063807
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/21/2023 03:23	WG2063807
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/21/2023 03:23	WG2063807
Vinyl chloride	1.77		0.0273	0.100	1	05/21/2023 03:23	WG2063807
Xylenes, Total	0.284		0.191	0.260	1	05/21/2023 03:23	WG2063807
Ethyl Ether	U		0.0170	0.100	1	05/21/2023 03:23	WG2063807
Tetrahydrofuran	U	C3	0.0900	0.500	1	05/21/2023 03:23	WG2063807
Iodomethane	U		0.242	0.500	1	05/21/2023 03:23	WG2063807
Allyl chloride	U		0.580	1.00	1	05/21/2023 03:23	WG2063807
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/21/2023 03:23	WG2063807
(S) Toluene-d8	*108*			*75.0-131*		*05/21/2023 03:23*	WG2063807
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*		*05/21/2023 03:23*	WG2063807
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*05/21/2023 03:23*	WG2063807

Method Blank (MB)

(MB) R3928226-1 05/17/23 12:08

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

L1617058-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1617058-01 05/17/23 21:03 • (DUP) R3928226-3 05/17/23 21:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	40800	40800	1	0.185		15
Nitrate	U	U	1	0.000		15
Sulfate	3090	3230	1	4.44	J	15

L1617066-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1617066-01 05/17/23 22:33 • (DUP) R3928226-6 05/17/23 22:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	30900	31000	1	0.396		15
Nitrate	99.1	105	1	6.07		15
Sulfate	56400	55100	1	2.27		15

Laboratory Control Sample (LCS)

(LCS) R3928226-2 05/17/23 12:21

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Chloride	40000	40000	99.9	80.0-120	
Nitrate	8000	8050	101	80.0-120	
Sulfate	40000	39300	98.4	80.0-120	

L1617058-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617058-01 05/17/23 21:03 • (MS) R3928226-4 05/17/23 21:29 • (MSD) R3928226-5 05/17/23 21:42

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	40800	91100	90500	101	99.4	1	80.0-120			0.744	15
Nitrate	5000	U	4830	4830	96.6	96.5	1	80.0-120			0.0973	15
Sulfate	50000	3090	53000	52200	99.8	98.3	1	80.0-120			1.38	15

L1617066-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1617066-01 05/17/23 22:33 • (MS) R3928226-7 05/17/23 22:59

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	30900	81700	102	1	80.0-120	
Nitrate	5000	99.1	4870	95.5	1	80.0-120	
Sulfate	50000	56400	103000	94.1	1	80.0-120	

Method Blank (MB)

(MB) R3929577-2 05/25/23 11:51

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

L1617013-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1617013-06 05/25/23 16:00 • (DUP) R3929577-4 05/25/23 16:18

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	485	615	1	23.7	J P1	20

L1616940-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1616940-03 05/25/23 13:16 • (DUP) R3929577-3 05/25/23 13:33

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	1140	1000	1	12.4		20

Laboratory Control Sample (LCS)

(LCS) R3929577-1 05/25/23 11:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	24500	97.8	85.0-115	

L1616940-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616940-02 05/25/23 12:22 • (MS) R3929577-5 05/25/23 22:21 • (MSD) R3929577-6 05/25/23 22:42

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 %
TOC (Total Organic Carbon)	50000	667	51000	51100	101	101	1	80.0-120	E	E	0.176	20

L1617013-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617013-07 05/25/23 16:34 • (MS) R3929577-7 05/25/23 23:02 • (MSD) R3929577-8 05/25/23 23:23

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 %
TOC (Total Organic Carbon)	50000	687	50600	50400	99.7	99.4	1	80.0-120	E	E	0.297	20

Method Blank (MB)

(MB) R3929331-2 05/25/23 10:25

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

L1617268-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1617268-01 05/25/23 10:31 • (DUP) R3929331-3 05/25/23 11:12

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

L1617058-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1617058-02 05/25/23 11:22 • (DUP) R3929331-4 05/25/23 12:12

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	3020	3030	1	0.331		20
Ethane	1.76	1.58	1	200		20
Ethene	10.4	9.90	1	4.93		20

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

(LCS) R3929331-1 05/25/23 10:21 • (LCSD) R3929331-5 05/25/23 12:59

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	62.8	104	92.6	85.0-115			11.8	20
Ethane	129	115	114	89.1	88.4	85.0-115			0.873	20
Ethene	127	116	115	91.3	90.6	85.0-115			0.866	20

Method Blank (MB)

(MB) R3929483-2 05/25/23 13:52

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

L1616159-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1616159-06 05/25/23 14:57 • (DUP) R3929483-3 05/25/23 15:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	27700	26800	10	3.30		20

L1617171-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1617171-09 05/25/23 16:02 • (DUP) R3929483-4 05/25/23 16:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	37500	37100	10	1.07		20

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

(LCS) R3929483-1 05/25/23 13:50 • (LCSD) R3929483-5 05/25/23 16:14

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	%	%	%			%	%
Methane	67.8	65.2	65.6	96.2	96.8	85.0-115			0.612	20

Method Blank (MB)

(MB) R3927647-3 05/20/23 21:58

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

Method Blank (MB)

(MB) R3927647-3 05/20/23 21:58

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	*108*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.1*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

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

(LCS) R3927647-1 05/20/23 20:02 • (LCSD) R3927647-2 05/20/23 20:21

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	25.5	28.6	102	114	10.0-160			11.5	31
Acrylonitrile	25.0	25.4	29.6	102	118	45.0-153			15.3	22
Benzene	5.00	4.59	4.90	91.8	98.0	70.0-123			6.53	20
Bromobenzene	5.00	4.54	5.20	90.8	104	73.0-121			13.6	20
Bromodichloromethane	5.00	4.54	5.04	90.8	101	73.0-121			10.4	20
Bromoform	5.00	4.11	4.80	82.2	96.0	64.0-132			15.5	20
Bromomethane	5.00	4.85	5.14	97.0	103	56.0-147			5.81	20
n-Butylbenzene	5.00	4.15	4.45	83.0	89.0	68.0-135			6.98	20
sec-Butylbenzene	5.00	4.49	4.99	89.8	99.8	74.0-130			10.5	20
tert-Butylbenzene	5.00	4.47	4.88	89.4	97.6	75.0-127			8.77	20
Carbon tetrachloride	5.00	4.99	5.27	99.8	105	66.0-128			5.46	20
Chlorobenzene	5.00	4.95	5.32	99.0	106	76.0-128			7.21	20
Chlorodibromomethane	5.00	4.46	4.84	89.2	96.8	74.0-127			8.17	20
Chloroethane	5.00	4.50	5.50	90.0	110	61.0-134			20.0	20
Chloroform	5.00	4.85	5.08	97.0	102	72.0-123			4.63	20
Chloromethane	5.00	4.99	5.57	99.8	111	51.0-138			11.0	20
2-Chlorotoluene	5.00	4.37	4.66	87.4	93.2	75.0-124			6.42	20
4-Chlorotoluene	5.00	4.24	4.58	84.8	91.6	75.0-124			7.71	20
1,2-Dibromo-3-Chloropropane	5.00	3.86	3.82	77.2	76.4	59.0-130			1.04	20
1,2-Dibromoethane	5.00	4.71	5.03	94.2	101	74.0-128			6.57	20
Dibromomethane	5.00	5.15	5.56	103	111	75.0-122			7.66	20
1,2-Dichlorobenzene	5.00	4.54	4.90	90.8	98.0	76.0-124			7.63	20
1,3-Dichlorobenzene	5.00	4.64	4.98	92.8	99.6	76.0-125			7.07	20
1,4-Dichlorobenzene	5.00	4.65	5.05	93.0	101	77.0-121			8.25	20
Dichlorodifluoromethane	5.00	4.56	4.66	91.2	93.2	43.0-156			2.17	20
1,1-Dichloroethane	5.00	4.83	5.24	96.6	105	70.0-127			8.14	20
1,2-Dichloroethane	5.00	4.77	5.00	95.4	100	65.0-131			4.71	20
1,1-Dichloroethene	5.00	4.40	5.20	88.0	104	65.0-131			16.7	20
cis-1,2-Dichloroethene	5.00	4.94	5.25	98.8	105	73.0-125			6.08	20
trans-1,2-Dichloroethene	5.00	4.59	5.04	91.8	101	71.0-125			9.35	20
1,2-Dichloropropane	5.00	4.67	5.14	93.4	103	74.0-125			9.58	20
1,1-Dichloropropene	5.00	4.80	5.18	96.0	104	73.0-125			7.62	20
1,3-Dichloropropane	5.00	4.74	4.88	94.8	97.6	80.0-125			2.91	20
cis-1,3-Dichloropropene	5.00	4.56	4.78	91.2	95.6	76.0-127			4.71	20
trans-1,3-Dichloropropene	5.00	4.49	4.62	89.8	92.4	73.0-127			2.85	20
2,2-Dichloropropane	5.00	4.29	4.74	85.8	94.8	59.0-135			9.97	20
Di-isopropyl ether	5.00	4.94	5.42	98.8	108	60.0-136			9.27	20
Ethylbenzene	5.00	5.04	5.46	101	109	74.0-126			8.00	20
Hexachloro-1,3-butadiene	5.00	4.79	4.05	95.8	81.0	57.0-150			16.7	20
Isopropylbenzene	5.00	4.53	5.05	90.6	101	72.0-127			10.9	20

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

(LCS) R3927647-1 05/20/23 20:02 • (LCSD) R3927647-2 05/20/23 20:21

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	4.48	4.90	89.6	98.0	72.0-133			8.96	20
2-Butanone (MEK)	25.0	29.1	27.3	116	109	30.0-160			6.38	24
Methylene Chloride	5.00	4.61	5.06	92.2	101	68.0-123			9.31	20
4-Methyl-2-pentanone (MIBK)	25.0	24.6	26.7	98.4	107	56.0-143			8.19	20
Methyl tert-butyl ether	5.00	4.45	4.84	89.0	96.8	66.0-132			8.40	20
Naphthalene	5.00	3.17	3.14	63.4	62.8	59.0-130			0.951	20
n-Propylbenzene	5.00	4.26	4.74	85.2	94.8	74.0-126			10.7	20
Styrene	5.00	4.57	4.94	91.4	98.8	72.0-127			7.78	20
1,1,1,2-Tetrachloroethane	5.00	4.63	4.84	92.6	96.8	74.0-129			4.44	20
1,1,2,2-Tetrachloroethane	5.00	3.76	4.34	75.2	86.8	68.0-128			14.3	20
1,1,2-Trichlorotrifluoroethane	5.00	4.08	4.98	81.6	99.6	61.0-139			19.9	20
Tetrachloroethene	5.00	5.50	5.60	110	112	70.0-136			1.80	20
Toluene	5.00	4.69	5.17	93.8	103	75.0-121			9.74	20
1,2,3-Trichlorobenzene	5.00	3.59	3.59	71.8	71.8	59.0-139			0.000	20
1,2,4-Trichlorobenzene	5.00	3.80	3.54	76.0	70.8	62.0-137			7.08	20
1,1,1-Trichloroethane	5.00	4.80	5.21	96.0	104	69.0-126			8.19	20
1,1,2-Trichloroethane	5.00	4.75	4.99	95.0	99.8	78.0-123			4.93	20
Trichloroethene	5.00	5.27	5.60	105	112	76.0-126			6.07	20
Trichlorofluoromethane	5.00	5.20	5.69	104	114	61.0-142			9.00	20
1,2,3-Trichloropropane	5.00	4.24	4.54	84.8	90.8	67.0-129			6.83	20
1,2,4-Trimethylbenzene	5.00	4.26	4.66	85.2	93.2	70.0-126			8.97	20
1,2,3-Trimethylbenzene	5.00	4.46	4.68	89.2	93.6	74.0-124			4.81	20
1,3,5-Trimethylbenzene	5.00	4.26	4.64	85.2	92.8	73.0-127			8.54	20
Vinyl chloride	5.00	5.31	5.34	106	107	63.0-134			0.563	20
Xylenes, Total	15.0	14.0	15.5	93.3	103	72.0-127			10.2	20
Ethyl Ether	5.00	4.36	5.00	87.2	100	64.0-137			13.7	20
Tetrahydrofuran	5.00	3.61	3.86	72.2	77.2	37.0-146			6.69	24
Iodomethane	25.0	24.0	26.1	96.0	104	74.0-134			8.38	20
Allyl chloride	25.0	22.9	24.6	91.6	98.4	70.0-131			7.16	20
Trans-1,4-Dichloro-2-butene	5.00	3.50	4.04	70.0	80.8	45.0-143			14.3	20
(S) Toluene-d8				*107*	*106*	*75.0-131*				
(S) 4-Bromofluorobenzene				*99.5*	*103*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*103*	*107*	*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
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.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

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	LAO000356
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

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Rachel.McLaughlin@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 #
443022-1413001.10.70

Lab Project #
PESENVSWA-ALP

Collected by (print):

Site/Facility ID #

P.O. # 603.04
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

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl	Chloride 9060A	Nitrate 9060A			Remarks	Sample # (lab only)
MW-349-051623	Grab	GW	—	5/16/23	928	9			X	X	X	X	X	X				-01
MW-347-051623	↓	GW	—	↓	1048	9			X	X	X	X	X	X				-02
MW-346-051623		GW	—		1248	9			X	X	X	X	X	X				-03
MW-988-051623		GW	—		1300	9			X	X	X	X	X	X				-04
		GW																
		GW																
		GW																
		GW																
		GW																
		GW																

Chain of Custody Page ___ of ___

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 # L1617058

H186

Acctnum: **PESENVSWA**
Template: **T229085**
Prelogin: **P994911**
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 __ FedEx __ Courier _____

Tracking # 6481 5464 7590

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: 5/16/23	Time: 1400	Received by: (Signature)	Trip Blank Received: Yes / No; HCl / MeoH; TBR: 1
Relinquished by : (Signature)	Date:	Time: EW	Received by: (Signature)	Temp: °C 3.3+0=3.3 Bottles Received: 36
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) (18)	Date: 5/17/23 Time: 0930

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

June 05, 2023

PES Environmental, Inc.- WA

Sample Delivery Group:	L1617171
Samples Received:	05/17/2023
Project Number:	443022
Description:	American Linen -1413001.10.701.02

Report To:

Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager

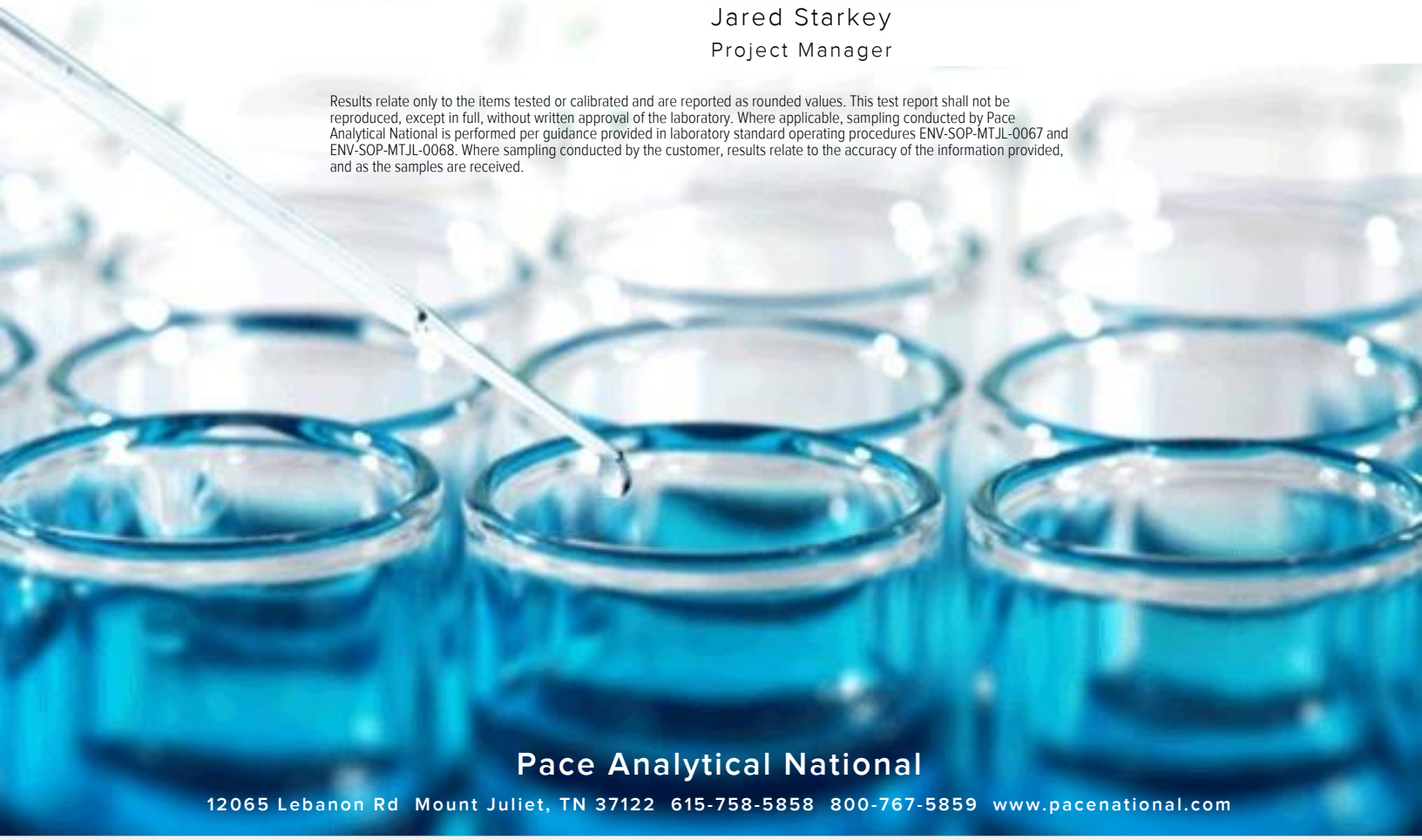


TABLE OF CONTENTS

MW-311-051523 L1617171-01 GW

Collected by: NEW | Collected date/time: 05/15/23 10:00 | Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2064041	1	05/22/23 03:03	05/22/23 03:03	JBE	Mt. Juliet, TN

MW109-051523 L1617171-02 GW

Collected by: NEW | Collected date/time: 05/15/23 11:01 | Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2064041	1	05/22/23 03:22	05/22/23 03:22	JBE	Mt. Juliet, TN

MW111-051523 L1617171-03 GW

Collected by: NEW | Collected date/time: 05/15/23 11:43 | Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2064041	1	05/22/23 03:41	05/22/23 03:41	JBE	Mt. Juliet, TN

FMW-140-051523 L1617171-04 GW

Collected by: NEW | Collected date/time: 05/15/23 13:13 | Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2064041	1	05/22/23 04:01	05/22/23 04:01	JBE	Mt. Juliet, TN

FMW-141-051523 L1617171-05 GW

Collected by: NEW | Collected date/time: 05/15/23 14:59 | Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2064041	1	05/22/23 04:20	05/22/23 04:20	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2064613	10	05/25/23 03:23	05/25/23 03:23	DWR	Mt. Juliet, TN

GEI-MW-1-051623 L1617171-06 GW

Collected by: NEW | Collected date/time: 05/16/23 10:47 | Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2064041	1	05/22/23 04:39	05/22/23 04:39	JBE	Mt. Juliet, TN

MW127-051623 L1617171-07 GW

Collected by: NEW | Collected date/time: 05/16/23 12:25 | Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2064041	1	05/22/23 04:59	05/22/23 04:59	JBE	Mt. Juliet, TN

MW-317-051623 L1617171-08 GW

Collected by: NEW | Collected date/time: 05/16/23 14:16 | Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2064041	5	05/22/23 05:57	05/22/23 05:57	JBE	Mt. Juliet, TN

W-MW-01-051623 L1617171-09 GW

Collected by: NEW | Collected date/time: 05/16/23 08:57 | Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2065198	1	05/24/23 02:37	05/24/23 02:37	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2065458	1	05/30/23 14:10	05/30/23 14:10	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2062611	1	05/23/23 14:28	05/24/23 22:15	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065642	1	05/25/23 11:48	05/25/23 11:48	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2066702	10	05/25/23 16:02	05/25/23 16:02	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2064041	1	05/22/23 05:18	05/22/23 05:18	JBE	Mt. Juliet, TN

MW-318-051623 L1617171-10 GW

Collected by: NEW | Collected date/time: 05/16/23 14:31 | Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2064041	1	05/22/23 05:37	05/22/23 05:37	JBE	Mt. Juliet, TN

MW121-051623 L1617171-11 GW

Collected by: NEW | Collected date/time: 05/16/23 13:54 | Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 09:03	05/25/23 09:03	DWR	Mt. Juliet, TN

MW-142-051623 L1617171-12 GW

Collected by: NEW | Collected date/time: 05/16/23 12:25 | Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2065198	100	05/24/23 02:51	05/24/23 02:51	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2065458	1	05/30/23 14:30	05/30/23 14:30	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2062611	1	05/23/23 14:28	05/24/23 22:18	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065642	1	05/25/23 11:54	05/25/23 11:54	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 09:41	05/25/23 09:41	JHH	Mt. Juliet, TN

MW-143-051623 L1617171-13 GW

Collected by: NEW | Collected date/time: 05/16/23 11:47 | Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2065411	1	05/23/23 23:56	05/23/23 23:56	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2065458	2	05/30/23 14:50	05/30/23 14:50	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2062611	1	05/23/23 14:28	05/24/23 23:05	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065642	1	05/25/23 12:02	05/25/23 12:02	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2066702	10	05/25/23 16:05	05/25/23 16:05	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 10:01	05/25/23 10:01	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2068671	10	05/30/23 17:43	05/30/23 17:43	AV	Mt. Juliet, TN

MW-159-051623 L1617171-14 GW

Collected by: NEW | Collected date/time: 05/16/23 11:15 | Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 09:22	05/25/23 09:22	JHH	Mt. Juliet, TN

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

SAMPLE SUMMARY

R-MW6-051623 L1617171-15 GW

Collected by: NEW
Collected date/time: 05/16/23 10:00
Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2068671	1	05/30/23 18:02	05/30/23 18:02	AV	Mt. Juliet, TN

EQ-051623 L1617171-16 GW

Collected by: NEW
Collected date/time: 05/16/23 00:00
Received date/time: 05/17/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2065198	1	05/24/23 03:04	05/24/23 03:04	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2065458	1	05/30/23 15:07	05/30/23 15:07	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2063426	1	05/20/23 23:39	05/22/23 16:15	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065642	1	05/25/23 12:07	05/25/23 12:07	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 08:44	05/25/23 08:44	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.

Lab Sample ID	Project Sample ID	Method
L1617171-14	MW-159-051623	8260D
L1617171-15	R-MW6-051623	8260D

Volatile 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	05/22/2023 03:03	WG2064041
Acrylonitrile	U		0.0760	0.500	1	05/22/2023 03:03	WG2064041
Benzene	U		0.0160	0.0400	1	05/22/2023 03:03	WG2064041
Bromobenzene	U		0.0420	0.500	1	05/22/2023 03:03	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 03:03	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 03:03	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 03:03	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 03:03	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 03:03	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 03:03	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 03:03	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 03:03	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 03:03	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 03:03	WG2064041
Chloroform	U		0.0166	0.100	1	05/22/2023 03:03	WG2064041
Chloromethane	U		0.0556	0.500	1	05/22/2023 03:03	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 03:03	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 03:03	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 03:03	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 03:03	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 03:03	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 03:03	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 03:03	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 03:03	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 03:03	WG2064041
1,1-Dichloroethane	U		0.0230	0.100	1	05/22/2023 03:03	WG2064041
1,2-Dichloroethane	U		0.0190	0.100	1	05/22/2023 03:03	WG2064041
1,1-Dichloroethene	U		0.0200	0.100	1	05/22/2023 03:03	WG2064041
cis-1,2-Dichloroethene	0.112		0.0276	0.100	1	05/22/2023 03:03	WG2064041
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/22/2023 03:03	WG2064041
1,2-Dichloropropane	U		0.0508	0.200	1	05/22/2023 03:03	WG2064041
1,1-Dichloropropene	U		0.0280	0.100	1	05/22/2023 03:03	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 03:03	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 03:03	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 03:03	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 03:03	WG2064041
Di-isopropyl ether	U		0.0140	0.0400	1	05/22/2023 03:03	WG2064041
Ethylbenzene	U		0.0212	0.100	1	05/22/2023 03:03	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 03:03	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 03:03	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 03:03	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 03:03	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 03:03	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 03:03	WG2064041
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/22/2023 03:03	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 03:03	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 03:03	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 03:03	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 03:03	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 03:03	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/22/2023 03:03	WG2064041
Tetrachloroethene	U		0.0280	0.100	1	05/22/2023 03:03	WG2064041
Toluene	0.0730	J	0.0500	0.200	1	05/22/2023 03:03	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.0250	0.500	1	05/22/2023 03:03	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 03:03	WG2064041
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/22/2023 03:03	WG2064041

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/22/2023 03:03	WG2064041
Trichloroethene	0.107		0.0160	0.0400	1	05/22/2023 03:03	WG2064041
Trichlorofluoromethane	U		0.0200	0.100	1	05/22/2023 03:03	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 03:03	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 03:03	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 03:03	WG2064041
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/22/2023 03:03	WG2064041
Vinyl chloride	1.46		0.0273	0.100	1	05/22/2023 03:03	WG2064041
Xylenes, Total	U		0.191	0.260	1	05/22/2023 03:03	WG2064041
Ethyl Ether	U		0.0170	0.100	1	05/22/2023 03:03	WG2064041
Tetrahydrofuran	U		0.0900	0.500	1	05/22/2023 03:03	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 03:03	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 03:03	WG2064041
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/22/2023 03:03	WG2064041
(S) Toluene-d8	*101*			*75.0-131*		*05/22/2023 03:03*	WG2064041
(S) 4-Bromofluorobenzene	*75.8*			*67.0-138*		*05/22/2023 03:03*	WG2064041
(S) 1,2-Dichloroethane-d4	*127*			*70.0-130*		*05/22/2023 03:03*	WG2064041

Volatile 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	05/22/2023 03:22	WG2064041
Acrylonitrile	U		0.0760	0.500	1	05/22/2023 03:22	WG2064041
Benzene	0.0270	J	0.0160	0.0400	1	05/22/2023 03:22	WG2064041
Bromobenzene	U		0.0420	0.500	1	05/22/2023 03:22	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 03:22	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 03:22	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 03:22	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 03:22	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 03:22	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 03:22	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 03:22	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 03:22	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 03:22	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 03:22	WG2064041
Chloroform	U		0.0166	0.100	1	05/22/2023 03:22	WG2064041
Chloromethane	U		0.0556	0.500	1	05/22/2023 03:22	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 03:22	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 03:22	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 03:22	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 03:22	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 03:22	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 03:22	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 03:22	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 03:22	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 03:22	WG2064041
1,1-Dichloroethane	U		0.0230	0.100	1	05/22/2023 03:22	WG2064041
1,2-Dichloroethane	U		0.0190	0.100	1	05/22/2023 03:22	WG2064041
1,1-Dichloroethene	U		0.0200	0.100	1	05/22/2023 03:22	WG2064041
cis-1,2-Dichloroethene	1.79		0.0276	0.100	1	05/22/2023 03:22	WG2064041
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/22/2023 03:22	WG2064041
1,2-Dichloropropane	U		0.0508	0.200	1	05/22/2023 03:22	WG2064041
1,1-Dichloropropene	U		0.0280	0.100	1	05/22/2023 03:22	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 03:22	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 03:22	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 03:22	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 03:22	WG2064041
Di-isopropyl ether	U		0.0140	0.0400	1	05/22/2023 03:22	WG2064041
Ethylbenzene	U		0.0212	0.100	1	05/22/2023 03:22	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 03:22	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 03:22	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 03:22	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 03:22	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 03:22	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 03:22	WG2064041
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/22/2023 03:22	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 03:22	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 03:22	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 03:22	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 03:22	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 03:22	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/22/2023 03:22	WG2064041
Tetrachloroethene	0.0370	J	0.0280	0.100	1	05/22/2023 03:22	WG2064041
Toluene	U		0.0500	0.200	1	05/22/2023 03:22	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.0250	0.500	1	05/22/2023 03:22	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 03:22	WG2064041
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/22/2023 03:22	WG2064041

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/22/2023 03:22	WG2064041
Trichloroethene	0.0510		0.0160	0.0400	1	05/22/2023 03:22	WG2064041
Trichlorofluoromethane	U		0.0200	0.100	1	05/22/2023 03:22	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 03:22	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 03:22	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 03:22	WG2064041
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/22/2023 03:22	WG2064041
Vinyl chloride	3.35		0.0273	0.100	1	05/22/2023 03:22	WG2064041
Xylenes, Total	U		0.191	0.260	1	05/22/2023 03:22	WG2064041
Ethyl Ether	0.254		0.0170	0.100	1	05/22/2023 03:22	WG2064041
Tetrahydrofuran	U		0.0900	0.500	1	05/22/2023 03:22	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 03:22	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 03:22	WG2064041
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/22/2023 03:22	WG2064041
(S) Toluene-d8	*103*			*75.0-131*		*05/22/2023 03:22*	WG2064041
(S) 4-Bromofluorobenzene	*75.8*			*67.0-138*		*05/22/2023 03:22*	WG2064041
(S) 1,2-Dichloroethane-d4	*127*			*70.0-130*		*05/22/2023 03:22*	WG2064041

Volatile 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	05/22/2023 03:41	WG2064041
Acrylonitrile	U		0.0760	0.500	1	05/22/2023 03:41	WG2064041
Benzene	U		0.0160	0.0400	1	05/22/2023 03:41	WG2064041
Bromobenzene	U		0.0420	0.500	1	05/22/2023 03:41	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 03:41	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 03:41	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 03:41	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 03:41	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 03:41	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 03:41	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 03:41	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 03:41	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 03:41	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 03:41	WG2064041
Chloroform	U		0.0166	0.100	1	05/22/2023 03:41	WG2064041
Chloromethane	U		0.0556	0.500	1	05/22/2023 03:41	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 03:41	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 03:41	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 03:41	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 03:41	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 03:41	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 03:41	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 03:41	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 03:41	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 03:41	WG2064041
1,1-Dichloroethane	U		0.0230	0.100	1	05/22/2023 03:41	WG2064041
1,2-Dichloroethane	U		0.0190	0.100	1	05/22/2023 03:41	WG2064041
1,1-Dichloroethene	U		0.0200	0.100	1	05/22/2023 03:41	WG2064041
cis-1,2-Dichloroethene	0.580		0.0276	0.100	1	05/22/2023 03:41	WG2064041
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/22/2023 03:41	WG2064041
1,2-Dichloropropane	U		0.0508	0.200	1	05/22/2023 03:41	WG2064041
1,1-Dichloropropene	U		0.0280	0.100	1	05/22/2023 03:41	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 03:41	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 03:41	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 03:41	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 03:41	WG2064041
Di-isopropyl ether	U		0.0140	0.0400	1	05/22/2023 03:41	WG2064041
Ethylbenzene	U		0.0212	0.100	1	05/22/2023 03:41	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 03:41	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 03:41	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 03:41	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 03:41	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 03:41	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 03:41	WG2064041
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/22/2023 03:41	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 03:41	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 03:41	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 03:41	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 03:41	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 03:41	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/22/2023 03:41	WG2064041
Tetrachloroethene	0.0560	J	0.0280	0.100	1	05/22/2023 03:41	WG2064041
Toluene	U		0.0500	0.200	1	05/22/2023 03:41	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.0250	0.500	1	05/22/2023 03:41	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 03:41	WG2064041
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/22/2023 03:41	WG2064041

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/22/2023 03:41	WG2064041
Trichloroethene	U		0.0160	0.0400	1	05/22/2023 03:41	WG2064041
Trichlorofluoromethane	U		0.0200	0.100	1	05/22/2023 03:41	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 03:41	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 03:41	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 03:41	WG2064041
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/22/2023 03:41	WG2064041
Vinyl chloride	6.27		0.0273	0.100	1	05/22/2023 03:41	WG2064041
Xylenes, Total	U		0.191	0.260	1	05/22/2023 03:41	WG2064041
Ethyl Ether	U		0.0170	0.100	1	05/22/2023 03:41	WG2064041
Tetrahydrofuran	U		0.0900	0.500	1	05/22/2023 03:41	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 03:41	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 03:41	WG2064041
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/22/2023 03:41	WG2064041
(S) Toluene-d8	*103*			*75.0-131*		*05/22/2023 03:41*	WG2064041
(S) 4-Bromofluorobenzene	*78.8*			*67.0-138*		*05/22/2023 03:41*	WG2064041
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*05/22/2023 03:41*	WG2064041

Volatile 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	05/22/2023 04:01	WG2064041
Acrylonitrile	U		0.0760	0.500	1	05/22/2023 04:01	WG2064041
Benzene	34.4		0.0160	0.0400	1	05/22/2023 04:01	WG2064041
Bromobenzene	U		0.0420	0.500	1	05/22/2023 04:01	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 04:01	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 04:01	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 04:01	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 04:01	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 04:01	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 04:01	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 04:01	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 04:01	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 04:01	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 04:01	WG2064041
Chloroform	0.263		0.0166	0.100	1	05/22/2023 04:01	WG2064041
Chloromethane	0.765		0.0556	0.500	1	05/22/2023 04:01	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 04:01	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 04:01	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 04:01	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 04:01	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 04:01	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 04:01	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 04:01	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 04:01	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 04:01	WG2064041
1,1-Dichloroethane	0.175		0.0230	0.100	1	05/22/2023 04:01	WG2064041
1,2-Dichloroethane	U		0.0190	0.100	1	05/22/2023 04:01	WG2064041
1,1-Dichloroethene	0.0390	J	0.0200	0.100	1	05/22/2023 04:01	WG2064041
cis-1,2-Dichloroethene	14.9		0.0276	0.100	1	05/22/2023 04:01	WG2064041
trans-1,2-Dichloroethene	0.132	J	0.0572	0.200	1	05/22/2023 04:01	WG2064041
1,2-Dichloropropane	0.127	J	0.0508	0.200	1	05/22/2023 04:01	WG2064041
1,1-Dichloropropene	U		0.0280	0.100	1	05/22/2023 04:01	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 04:01	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 04:01	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 04:01	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 04:01	WG2064041
Di-isopropyl ether	0.885		0.0140	0.0400	1	05/22/2023 04:01	WG2064041
Ethylbenzene	U		0.0212	0.100	1	05/22/2023 04:01	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 04:01	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 04:01	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 04:01	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 04:01	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 04:01	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 04:01	WG2064041
Methyl tert-butyl ether	1.64		0.0118	0.0400	1	05/22/2023 04:01	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 04:01	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 04:01	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 04:01	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 04:01	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 04:01	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/22/2023 04:01	WG2064041
Tetrachloroethene	U		0.0280	0.100	1	05/22/2023 04:01	WG2064041
Toluene	0.157	J	0.0500	0.200	1	05/22/2023 04:01	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.0250	0.500	1	05/22/2023 04:01	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 04:01	WG2064041
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/22/2023 04:01	WG2064041

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/22/2023 04:01	WG2064041
Trichloroethene	U		0.0160	0.0400	1	05/22/2023 04:01	WG2064041
Trichlorofluoromethane	U		0.0200	0.100	1	05/22/2023 04:01	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 04:01	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 04:01	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 04:01	WG2064041
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/22/2023 04:01	WG2064041
Vinyl chloride	137	E	0.0273	0.100	1	05/22/2023 04:01	WG2064041
Xylenes, Total	U		0.191	0.260	1	05/22/2023 04:01	WG2064041
Ethyl Ether	0.482		0.0170	0.100	1	05/22/2023 04:01	WG2064041
Tetrahydrofuran	U		0.0900	0.500	1	05/22/2023 04:01	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 04:01	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 04:01	WG2064041
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/22/2023 04:01	WG2064041
(S) Toluene-d8	*102*			*75.0-131*		*05/22/2023 04:01*	WG2064041
(S) 4-Bromofluorobenzene	*75.6*			*67.0-138*		*05/22/2023 04:01*	WG2064041
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/22/2023 04:01*	WG2064041

Volatile 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	05/22/2023 04:20	WG2064041
Acrylonitrile	U		0.0760	0.500	1	05/22/2023 04:20	WG2064041
Benzene	0.0390	J	0.0160	0.0400	1	05/22/2023 04:20	WG2064041
Bromobenzene	U		0.0420	0.500	1	05/22/2023 04:20	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 04:20	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 04:20	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 04:20	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 04:20	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 04:20	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 04:20	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 04:20	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 04:20	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 04:20	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 04:20	WG2064041
Chloroform	U		0.0166	0.100	1	05/22/2023 04:20	WG2064041
Chloromethane	U		0.0556	0.500	1	05/22/2023 04:20	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 04:20	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 04:20	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 04:20	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 04:20	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 04:20	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 04:20	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 04:20	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 04:20	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 04:20	WG2064041
1,1-Dichloroethane	U		0.0230	0.100	1	05/22/2023 04:20	WG2064041
1,2-Dichloroethane	U		0.0190	0.100	1	05/22/2023 04:20	WG2064041
1,1-Dichloroethene	0.253		0.0200	0.100	1	05/22/2023 04:20	WG2064041
cis-1,2-Dichloroethene	166		0.276	1.00	10	05/25/2023 03:23	WG2064613
trans-1,2-Dichloroethene	0.311		0.0572	0.200	1	05/22/2023 04:20	WG2064041
1,2-Dichloropropane	U		0.0508	0.200	1	05/22/2023 04:20	WG2064041
1,1-Dichloropropene	U		0.0280	0.100	1	05/22/2023 04:20	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 04:20	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 04:20	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 04:20	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 04:20	WG2064041
Di-isopropyl ether	U		0.0140	0.0400	1	05/22/2023 04:20	WG2064041
Ethylbenzene	U		0.0212	0.100	1	05/22/2023 04:20	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 04:20	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 04:20	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 04:20	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 04:20	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 04:20	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 04:20	WG2064041
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/22/2023 04:20	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 04:20	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 04:20	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 04:20	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 04:20	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 04:20	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/22/2023 04:20	WG2064041
Tetrachloroethene	U		0.0280	0.100	1	05/22/2023 04:20	WG2064041
Toluene	0.131	J	0.0500	0.200	1	05/22/2023 04:20	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.0250	0.500	1	05/22/2023 04:20	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 04:20	WG2064041
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/22/2023 04:20	WG2064041

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/22/2023 04:20	WG2064041
Trichloroethene	0.354		0.0160	0.0400	1	05/22/2023 04:20	WG2064041
Trichlorofluoromethane	U		0.0200	0.100	1	05/22/2023 04:20	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 04:20	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 04:20	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 04:20	WG2064041
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/22/2023 04:20	WG2064041
Vinyl chloride	87.7		0.273	1.00	10	05/25/2023 03:23	WG2064613
Xylenes, Total	U		0.191	0.260	1	05/22/2023 04:20	WG2064041
Ethyl Ether	0.136		0.0170	0.100	1	05/22/2023 04:20	WG2064041
Tetrahydrofuran	U		0.0900	0.500	1	05/22/2023 04:20	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 04:20	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 04:20	WG2064041
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/22/2023 04:20	WG2064041
(S) Toluene-d8	*103*			*75.0-131*		*05/22/2023 04:20*	WG2064041
(S) Toluene-d8	*107*			*75.0-131*		*05/25/2023 03:23*	WG2064613
(S) 4-Bromofluorobenzene	*81.9*			*67.0-138*		*05/22/2023 04:20*	WG2064041
(S) 4-Bromofluorobenzene	*98.2*			*67.0-138*		*05/25/2023 03:23*	WG2064613
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*05/22/2023 04:20*	WG2064041
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/25/2023 03:23*	WG2064613

Volatile 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	05/22/2023 04:39	WG2064041
Acrylonitrile	U		0.0760	0.500	1	05/22/2023 04:39	WG2064041
Benzene	U		0.0160	0.0400	1	05/22/2023 04:39	WG2064041
Bromobenzene	U		0.0420	0.500	1	05/22/2023 04:39	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 04:39	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 04:39	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 04:39	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 04:39	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 04:39	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 04:39	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 04:39	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 04:39	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 04:39	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 04:39	WG2064041
Chloroform	U		0.0166	0.100	1	05/22/2023 04:39	WG2064041
Chloromethane	U		0.0556	0.500	1	05/22/2023 04:39	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 04:39	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 04:39	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 04:39	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 04:39	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 04:39	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 04:39	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 04:39	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 04:39	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 04:39	WG2064041
1,1-Dichloroethane	U		0.0230	0.100	1	05/22/2023 04:39	WG2064041
1,2-Dichloroethane	U		0.0190	0.100	1	05/22/2023 04:39	WG2064041
1,1-Dichloroethene	U		0.0200	0.100	1	05/22/2023 04:39	WG2064041
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/22/2023 04:39	WG2064041
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/22/2023 04:39	WG2064041
1,2-Dichloropropane	U		0.0508	0.200	1	05/22/2023 04:39	WG2064041
1,1-Dichloropropene	U		0.0280	0.100	1	05/22/2023 04:39	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 04:39	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 04:39	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 04:39	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 04:39	WG2064041
Di-isopropyl ether	0.0840		0.0140	0.0400	1	05/22/2023 04:39	WG2064041
Ethylbenzene	U		0.0212	0.100	1	05/22/2023 04:39	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 04:39	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 04:39	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 04:39	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 04:39	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 04:39	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 04:39	WG2064041
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/22/2023 04:39	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 04:39	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 04:39	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 04:39	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 04:39	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 04:39	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/22/2023 04:39	WG2064041
Tetrachloroethene	U		0.0280	0.100	1	05/22/2023 04:39	WG2064041
Toluene	U		0.0500	0.200	1	05/22/2023 04:39	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.0250	0.500	1	05/22/2023 04:39	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 04:39	WG2064041
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/22/2023 04:39	WG2064041

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/22/2023 04:39	WG2064041
Trichloroethene	U		0.0160	0.0400	1	05/22/2023 04:39	WG2064041
Trichlorofluoromethane	U		0.0200	0.100	1	05/22/2023 04:39	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 04:39	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 04:39	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 04:39	WG2064041
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/22/2023 04:39	WG2064041
Vinyl chloride	U		0.0273	0.100	1	05/22/2023 04:39	WG2064041
Xylenes, Total	U		0.191	0.260	1	05/22/2023 04:39	WG2064041
Ethyl Ether	0.391		0.0170	0.100	1	05/22/2023 04:39	WG2064041
Tetrahydrofuran	U		0.0900	0.500	1	05/22/2023 04:39	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 04:39	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 04:39	WG2064041
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/22/2023 04:39	WG2064041
(S) Toluene-d8	*102*			*75.0-131*		*05/22/2023 04:39*	WG2064041
(S) 4-Bromofluorobenzene	*72.9*			*67.0-138*		*05/22/2023 04:39*	WG2064041
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*05/22/2023 04:39*	WG2064041

Volatile 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	05/22/2023 04:59	WG2064041
Acrylonitrile	U		0.0760	0.500	1	05/22/2023 04:59	WG2064041
Benzene	U		0.0160	0.0400	1	05/22/2023 04:59	WG2064041
Bromobenzene	U		0.0420	0.500	1	05/22/2023 04:59	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 04:59	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 04:59	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 04:59	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 04:59	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 04:59	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 04:59	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 04:59	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 04:59	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 04:59	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 04:59	WG2064041
Chloroform	U		0.0166	0.100	1	05/22/2023 04:59	WG2064041
Chloromethane	U		0.0556	0.500	1	05/22/2023 04:59	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 04:59	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 04:59	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 04:59	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 04:59	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 04:59	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 04:59	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 04:59	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 04:59	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 04:59	WG2064041
1,1-Dichloroethane	0.466		0.0230	0.100	1	05/22/2023 04:59	WG2064041
1,2-Dichloroethane	U		0.0190	0.100	1	05/22/2023 04:59	WG2064041
1,1-Dichloroethene	0.0360	J	0.0200	0.100	1	05/22/2023 04:59	WG2064041
cis-1,2-Dichloroethene	0.666		0.0276	0.100	1	05/22/2023 04:59	WG2064041
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/22/2023 04:59	WG2064041
1,2-Dichloropropane	0.0570	J	0.0508	0.200	1	05/22/2023 04:59	WG2064041
1,1-Dichloropropene	U		0.0280	0.100	1	05/22/2023 04:59	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 04:59	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 04:59	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 04:59	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 04:59	WG2064041
Di-isopropyl ether	U		0.0140	0.0400	1	05/22/2023 04:59	WG2064041
Ethylbenzene	U		0.0212	0.100	1	05/22/2023 04:59	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 04:59	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 04:59	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 04:59	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 04:59	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 04:59	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 04:59	WG2064041
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/22/2023 04:59	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 04:59	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 04:59	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 04:59	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 04:59	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 04:59	WG2064041
1,1,2-Trichlorotrifluoroethane	0.137		0.0270	0.100	1	05/22/2023 04:59	WG2064041
Tetrachloroethene	U		0.0280	0.100	1	05/22/2023 04:59	WG2064041
Toluene	U		0.0500	0.200	1	05/22/2023 04:59	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.0250	0.500	1	05/22/2023 04:59	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 04:59	WG2064041
1,1,1-Trichloroethane	0.0970	J	0.0110	0.100	1	05/22/2023 04:59	WG2064041

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/22/2023 04:59	WG2064041
Trichloroethene	U		0.0160	0.0400	1	05/22/2023 04:59	WG2064041
Trichlorofluoromethane	U		0.0200	0.100	1	05/22/2023 04:59	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 04:59	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 04:59	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 04:59	WG2064041
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/22/2023 04:59	WG2064041
Vinyl chloride	0.209		0.0273	0.100	1	05/22/2023 04:59	WG2064041
Xylenes, Total	U		0.191	0.260	1	05/22/2023 04:59	WG2064041
Ethyl Ether	U		0.0170	0.100	1	05/22/2023 04:59	WG2064041
Tetrahydrofuran	0.191	J	0.0900	0.500	1	05/22/2023 04:59	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 04:59	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 04:59	WG2064041
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/22/2023 04:59	WG2064041
(S) Toluene-d8	*105*			*75.0-131*		*05/22/2023 04:59*	WG2064041
(S) 4-Bromofluorobenzene	*79.0*			*67.0-138*		*05/22/2023 04:59*	WG2064041
(S) 1,2-Dichloroethane-d4	*128*			*70.0-130*		*05/22/2023 04:59*	WG2064041

Volatile 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		2.74	5.00	5	05/22/2023 05:57	WG2064041
Acrylonitrile	U		0.380	2.50	5	05/22/2023 05:57	WG2064041
Benzene	0.175	J	0.0800	0.200	5	05/22/2023 05:57	WG2064041
Bromobenzene	U		0.210	2.50	5	05/22/2023 05:57	WG2064041
Bromodichloromethane	U		0.158	0.500	5	05/22/2023 05:57	WG2064041
Bromoform	U		1.20	5.00	5	05/22/2023 05:57	WG2064041
Bromomethane	U		0.740	2.50	5	05/22/2023 05:57	WG2064041
n-Butylbenzene	U		0.765	2.50	5	05/22/2023 05:57	WG2064041
sec-Butylbenzene	U		0.505	2.50	5	05/22/2023 05:57	WG2064041
tert-Butylbenzene	U		0.310	1.00	5	05/22/2023 05:57	WG2064041
Carbon tetrachloride	U		0.216	1.00	5	05/22/2023 05:57	WG2064041
Chlorobenzene	U		0.115	0.500	5	05/22/2023 05:57	WG2064041
Chlorodibromomethane	U		0.0900	0.500	5	05/22/2023 05:57	WG2064041
Chloroethane	U		0.216	1.00	5	05/22/2023 05:57	WG2064041
Chloroform	U		0.0830	0.500	5	05/22/2023 05:57	WG2064041
Chloromethane	U		0.278	2.50	5	05/22/2023 05:57	WG2064041
2-Chlorotoluene	U		0.184	0.500	5	05/22/2023 05:57	WG2064041
4-Chlorotoluene	U		0.226	1.00	5	05/22/2023 05:57	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	1.02	5.00	5	05/22/2023 05:57	WG2064041
1,2-Dibromoethane	U		0.105	0.500	5	05/22/2023 05:57	WG2064041
Dibromomethane	U		0.200	1.00	5	05/22/2023 05:57	WG2064041
1,2-Dichlorobenzene	U		0.290	1.00	5	05/22/2023 05:57	WG2064041
1,3-Dichlorobenzene	U		0.340	1.00	5	05/22/2023 05:57	WG2064041
1,4-Dichlorobenzene	U		0.394	1.00	5	05/22/2023 05:57	WG2064041
Dichlorodifluoromethane	U		0.164	0.500	5	05/22/2023 05:57	WG2064041
1,1-Dichloroethane	U		0.115	0.500	5	05/22/2023 05:57	WG2064041
1,2-Dichloroethane	U		0.0950	0.500	5	05/22/2023 05:57	WG2064041
1,1-Dichloroethene	U		0.100	0.500	5	05/22/2023 05:57	WG2064041
cis-1,2-Dichloroethene	U		0.138	0.500	5	05/22/2023 05:57	WG2064041
trans-1,2-Dichloroethene	U		0.286	1.00	5	05/22/2023 05:57	WG2064041
1,2-Dichloropropane	U		0.254	1.00	5	05/22/2023 05:57	WG2064041
1,1-Dichloropropene	U		0.140	0.500	5	05/22/2023 05:57	WG2064041
1,3-Dichloropropane	U		0.350	1.00	5	05/22/2023 05:57	WG2064041
cis-1,3-Dichloropropene	U		0.136	0.500	5	05/22/2023 05:57	WG2064041
trans-1,3-Dichloropropene	U		0.306	1.00	5	05/22/2023 05:57	WG2064041
2,2-Dichloropropane	U		0.159	0.500	5	05/22/2023 05:57	WG2064041
Di-isopropyl ether	0.100	J	0.0700	0.200	5	05/22/2023 05:57	WG2064041
Ethylbenzene	U		0.106	0.500	5	05/22/2023 05:57	WG2064041
Hexachloro-1,3-butadiene	U	J4	2.54	5.00	5	05/22/2023 05:57	WG2064041
Isopropylbenzene	U		0.173	0.500	5	05/22/2023 05:57	WG2064041
p-Isopropyltoluene	U		0.466	1.00	5	05/22/2023 05:57	WG2064041
2-Butanone (MEK)	U		2.50	5.00	5	05/22/2023 05:57	WG2064041
Methylene Chloride	U	C3 J3 J4	1.33	5.00	5	05/22/2023 05:57	WG2064041
4-Methyl-2-pentanone (MIBK)	U		2.00	5.00	5	05/22/2023 05:57	WG2064041
Methyl tert-butyl ether	0.0750	J	0.0590	0.200	5	05/22/2023 05:57	WG2064041
Naphthalene	U		0.620	2.50	5	05/22/2023 05:57	WG2064041
n-Propylbenzene	U		0.236	1.00	5	05/22/2023 05:57	WG2064041
Styrene	U		0.545	2.50	5	05/22/2023 05:57	WG2064041
1,1,1,2-Tetrachloroethane	U		0.100	0.500	5	05/22/2023 05:57	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0780	0.500	5	05/22/2023 05:57	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.135	0.500	5	05/22/2023 05:57	WG2064041
Tetrachloroethene	U		0.140	0.500	5	05/22/2023 05:57	WG2064041
Toluene	U		0.250	1.00	5	05/22/2023 05:57	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.125	2.50	5	05/22/2023 05:57	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.965	2.50	5	05/22/2023 05:57	WG2064041
1,1,1-Trichloroethane	U		0.0550	0.500	5	05/22/2023 05:57	WG2064041

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.177	0.500	5	05/22/2023 05:57	WG2064041
Trichloroethene	U		0.0800	0.200	5	05/22/2023 05:57	WG2064041
Trichlorofluoromethane	U		0.100	0.500	5	05/22/2023 05:57	WG2064041
1,2,3-Trichloropropane	U		1.02	2.50	5	05/22/2023 05:57	WG2064041
1,2,4-Trimethylbenzene	U		0.232	1.00	5	05/22/2023 05:57	WG2064041
1,2,3-Trimethylbenzene	U		0.230	1.00	5	05/22/2023 05:57	WG2064041
1,3,5-Trimethylbenzene	U		0.216	1.00	5	05/22/2023 05:57	WG2064041
Vinyl chloride	U		0.137	0.500	5	05/22/2023 05:57	WG2064041
Xylenes, Total	U		0.955	1.30	5	05/22/2023 05:57	WG2064041
Ethyl Ether	U		0.0850	0.500	5	05/22/2023 05:57	WG2064041
Tetrahydrofuran	U		0.450	2.50	5	05/22/2023 05:57	WG2064041
Iodomethane	U	C3 J4	1.21	2.50	5	05/22/2023 05:57	WG2064041
Allyl chloride	U		2.90	5.00	5	05/22/2023 05:57	WG2064041
Trans-1,4-Dichloro-2-butene	U		0.280	1.00	5	05/22/2023 05:57	WG2064041
(S) Toluene-d8	*107*			*75.0-131*		*05/22/2023 05:57*	WG2064041
(S) 4-Bromofluorobenzene	*68.8*			*67.0-138*		*05/22/2023 05:57*	WG2064041
(S) 1,2-Dichloroethane-d4	*131*	J1		*70.0-130*		*05/22/2023 05:57*	WG2064041

Sample Narrative:

L1617171-08 WG2064041: Dilution due to foam.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	9780		594	5000	1	05/24/2023 02:37	WG2065198

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)	5680		102	1000	1	05/30/2023 14:10	WG2065458

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7670		28.1	100	1	05/24/2023 22:15	WG2062611
Manganese	2290		0.704	5.00	1	05/24/2023 22:15	WG2062611

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	37500		2.87	6.78	10	05/25/2023 16:02	WG2066702
Ethane	4.91		0.296	1.29	1	05/25/2023 11:48	WG2065642
Ethene	4.87		0.422	1.27	1	05/25/2023 11:48	WG2065642

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.67		0.548	1.00	1	05/22/2023 05:18	WG2064041
Acrylonitrile	U		0.0760	0.500	1	05/22/2023 05:18	WG2064041
Benzene	U		0.0160	0.0400	1	05/22/2023 05:18	WG2064041
Bromobenzene	U		0.0420	0.500	1	05/22/2023 05:18	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 05:18	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 05:18	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 05:18	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 05:18	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 05:18	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 05:18	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 05:18	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 05:18	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 05:18	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 05:18	WG2064041
Chloroform	U		0.0166	0.100	1	05/22/2023 05:18	WG2064041
Chloromethane	U		0.0556	0.500	1	05/22/2023 05:18	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 05:18	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 05:18	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 05:18	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 05:18	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 05:18	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 05:18	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 05:18	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 05:18	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 05:18	WG2064041
1,1-Dichloroethane	U		0.0230	0.100	1	05/22/2023 05:18	WG2064041
1,2-Dichloroethane	U		0.0190	0.100	1	05/22/2023 05:18	WG2064041
1,1-Dichloroethene	U		0.0200	0.100	1	05/22/2023 05:18	WG2064041
cis-1,2-Dichloroethene	0.253		0.0276	0.100	1	05/22/2023 05:18	WG2064041
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/22/2023 05:18	WG2064041
1,2-Dichloropropane	U		0.0508	0.200	1	05/22/2023 05:18	WG2064041

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		0.0280	0.100	1	05/22/2023 05:18	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 05:18	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 05:18	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 05:18	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 05:18	WG2064041
Di-isopropyl ether	U		0.0140	0.0400	1	05/22/2023 05:18	WG2064041
Ethylbenzene	U		0.0212	0.100	1	05/22/2023 05:18	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 05:18	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 05:18	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 05:18	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 05:18	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 05:18	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 05:18	WG2064041
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/22/2023 05:18	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 05:18	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 05:18	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 05:18	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 05:18	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 05:18	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/22/2023 05:18	WG2064041
Tetrachloroethene	U		0.0280	0.100	1	05/22/2023 05:18	WG2064041
Toluene	0.330		0.0500	0.200	1	05/22/2023 05:18	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.0250	0.500	1	05/22/2023 05:18	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 05:18	WG2064041
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/22/2023 05:18	WG2064041
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/22/2023 05:18	WG2064041
Trichloroethene	0.0670		0.0160	0.0400	1	05/22/2023 05:18	WG2064041
Trichlorofluoromethane	U		0.0200	0.100	1	05/22/2023 05:18	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 05:18	WG2064041
1,2,4-Trimethylbenzene	0.0930	J	0.0464	0.200	1	05/22/2023 05:18	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 05:18	WG2064041
1,3,5-Trimethylbenzene	0.0940	J	0.0432	0.200	1	05/22/2023 05:18	WG2064041
Vinyl chloride	3.46		0.0273	0.100	1	05/22/2023 05:18	WG2064041
Xylenes, Total	0.406		0.191	0.260	1	05/22/2023 05:18	WG2064041
Ethyl Ether	U		0.0170	0.100	1	05/22/2023 05:18	WG2064041
Tetrahydrofuran	2.13		0.0900	0.500	1	05/22/2023 05:18	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 05:18	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 05:18	WG2064041
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/22/2023 05:18	WG2064041
(S) Toluene-d8	*109*			*75.0-131*		*05/22/2023 05:18*	WG2064041
(S) 4-Bromofluorobenzene	*80.1*			*67.0-138*		*05/22/2023 05:18*	WG2064041
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*05/22/2023 05:18*	WG2064041

Volatile 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	05/22/2023 05:37	WG2064041
Acrylonitrile	U		0.0760	0.500	1	05/22/2023 05:37	WG2064041
Benzene	56.1		0.0160	0.0400	1	05/22/2023 05:37	WG2064041
Bromobenzene	U		0.0420	0.500	1	05/22/2023 05:37	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 05:37	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 05:37	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 05:37	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 05:37	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 05:37	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 05:37	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 05:37	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 05:37	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 05:37	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 05:37	WG2064041
Chloroform	0.550		0.0166	0.100	1	05/22/2023 05:37	WG2064041
Chloromethane	U		0.0556	0.500	1	05/22/2023 05:37	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 05:37	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 05:37	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 05:37	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 05:37	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 05:37	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 05:37	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 05:37	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 05:37	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 05:37	WG2064041
1,1-Dichloroethane	0.361		0.0230	0.100	1	05/22/2023 05:37	WG2064041
1,2-Dichloroethane	1.10		0.0190	0.100	1	05/22/2023 05:37	WG2064041
1,1-Dichloroethene	U		0.0200	0.100	1	05/22/2023 05:37	WG2064041
cis-1,2-Dichloroethene	4.56		0.0276	0.100	1	05/22/2023 05:37	WG2064041
trans-1,2-Dichloroethene	0.0710	J	0.0572	0.200	1	05/22/2023 05:37	WG2064041
1,2-Dichloropropane	0.344		0.0508	0.200	1	05/22/2023 05:37	WG2064041
1,1-Dichloropropene	U		0.0280	0.100	1	05/22/2023 05:37	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 05:37	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 05:37	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 05:37	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 05:37	WG2064041
Di-isopropyl ether	0.158		0.0140	0.0400	1	05/22/2023 05:37	WG2064041
Ethylbenzene	U		0.0212	0.100	1	05/22/2023 05:37	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 05:37	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 05:37	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 05:37	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 05:37	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 05:37	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 05:37	WG2064041
Methyl tert-butyl ether	0.0760		0.0118	0.0400	1	05/22/2023 05:37	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 05:37	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 05:37	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 05:37	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 05:37	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 05:37	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/22/2023 05:37	WG2064041
Tetrachloroethene	U		0.0280	0.100	1	05/22/2023 05:37	WG2064041
Toluene	0.199	J	0.0500	0.200	1	05/22/2023 05:37	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.0250	0.500	1	05/22/2023 05:37	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 05:37	WG2064041
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/22/2023 05:37	WG2064041

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/22/2023 05:37	WG2064041
Trichloroethene	U		0.0160	0.0400	1	05/22/2023 05:37	WG2064041
Trichlorofluoromethane	U		0.0200	0.100	1	05/22/2023 05:37	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 05:37	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 05:37	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 05:37	WG2064041
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/22/2023 05:37	WG2064041
Vinyl chloride	51.1		0.0273	0.100	1	05/22/2023 05:37	WG2064041
Xylenes, Total	U		0.191	0.260	1	05/22/2023 05:37	WG2064041
Ethyl Ether	0.218		0.0170	0.100	1	05/22/2023 05:37	WG2064041
Tetrahydrofuran	0.261	J	0.0900	0.500	1	05/22/2023 05:37	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 05:37	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 05:37	WG2064041
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/22/2023 05:37	WG2064041
(S) Toluene-d8	*107*			*75.0-131*		*05/22/2023 05:37*	WG2064041
(S) 4-Bromofluorobenzene	*84.5*			*67.0-138*		*05/22/2023 05:37*	WG2064041
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*05/22/2023 05:37*	WG2064041

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.59	C3 J3	0.548	1.00	1	05/25/2023 09:03	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 09:03	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 09:03	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 09:03	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 09:03	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 09:03	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 09:03	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 09:03	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 09:03	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 09:03	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 09:03	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 09:03	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 09:03	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 09:03	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 09:03	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 09:03	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 09:03	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 09:03	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 09:03	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 09:03	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 09:03	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 09:03	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 09:03	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 09:03	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 09:03	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 09:03	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 09:03	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 09:03	WG2066129
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/25/2023 09:03	WG2066129
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 09:03	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 09:03	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 09:03	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 09:03	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 09:03	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 09:03	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 09:03	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 09:03	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 09:03	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 09:03	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 09:03	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 09:03	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 09:03	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 09:03	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 09:03	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 09:03	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 09:03	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 09:03	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 09:03	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 09:03	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 09:03	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 09:03	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 09:03	WG2066129
Toluene	U		0.0500	0.200	1	05/25/2023 09:03	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 09:03	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 09:03	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 09:03	WG2066129

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 09:03	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 09:03	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 09:03	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 09:03	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 09:03	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 09:03	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 09:03	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 09:03	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 09:03	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 09:03	WG2066129
Tetrahydrofuran	0.689	C3 J3	0.0900	0.500	1	05/25/2023 09:03	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 09:03	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 09:03	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 09:03	WG2066129
(S) Toluene-d8	*104*			*75.0-131*		*05/25/2023 09:03*	WG2066129
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*05/25/2023 09:03*	WG2066129
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/25/2023 09:03*	WG2066129

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		59400	500000	100	05/24/2023 02:51	WG2065198

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)	14100		102	1000	1	05/30/2023 14:30	WG2065458

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9490		28.1	100	1	05/24/2023 22:18	WG2062611
Manganese	5420		0.704	5.00	1	05/24/2023 22:18	WG2062611

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5570		0.287	0.678	1	05/25/2023 11:54	WG2065642
Ethane	10.8		0.296	1.29	1	05/25/2023 11:54	WG2065642
Ethene	2.25		0.422	1.27	1	05/25/2023 11:54	WG2065642

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.94	C3 J3	0.548	1.00	1	05/25/2023 09:41	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 09:41	WG2066129
Benzene	0.211		0.0160	0.0400	1	05/25/2023 09:41	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 09:41	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 09:41	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 09:41	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 09:41	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 09:41	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 09:41	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 09:41	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 09:41	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 09:41	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 09:41	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 09:41	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 09:41	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 09:41	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 09:41	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 09:41	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 09:41	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 09:41	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 09:41	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 09:41	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 09:41	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 09:41	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 09:41	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 09:41	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 09:41	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 09:41	WG2066129
cis-1,2-Dichloroethene	22.5		0.0276	0.100	1	05/25/2023 09:41	WG2066129
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 09:41	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 09:41	WG2066129

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		0.0280	0.100	1	05/25/2023 09:41	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 09:41	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 09:41	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 09:41	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 09:41	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 09:41	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 09:41	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 09:41	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 09:41	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 09:41	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 09:41	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 09:41	WG2066129
4-Methyl-2-pentanone (MIBK)	0.415	J	0.400	1.00	1	05/25/2023 09:41	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 09:41	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 09:41	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 09:41	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 09:41	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 09:41	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 09:41	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 09:41	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 09:41	WG2066129
Toluene	U		0.0500	0.200	1	05/25/2023 09:41	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 09:41	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 09:41	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 09:41	WG2066129
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 09:41	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 09:41	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 09:41	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 09:41	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 09:41	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 09:41	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 09:41	WG2066129
Vinyl chloride	25.1		0.0273	0.100	1	05/25/2023 09:41	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 09:41	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 09:41	WG2066129
Tetrahydrofuran	0.840	C3 J3	0.0900	0.500	1	05/25/2023 09:41	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 09:41	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 09:41	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 09:41	WG2066129
(S) Toluene-d8	*102*			*75.0-131*		*05/25/2023 09:41*	WG2066129
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/25/2023 09:41*	WG2066129
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*05/25/2023 09:41*	WG2066129

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	966	J	594	5000	1	05/23/2023 23:56	WG2065411

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	47400		204	2000	2	05/30/2023 14:50	WG2065458

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	36600		28.1	100	1	05/24/2023 23:05	WG2062611
Manganese	11100		0.704	5.00	1	05/24/2023 23:05	WG2062611

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	11300		2.87	6.78	10	05/25/2023 16:05	WG2066702
Ethane	237		0.296	1.29	1	05/25/2023 12:02	WG2065642
Ethene	255		0.422	1.27	1	05/25/2023 12:02	WG2065642

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	6.61	C3 J3	0.548	1.00	1	05/25/2023 10:01	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 10:01	WG2066129
Benzene	0.0750		0.0160	0.0400	1	05/25/2023 10:01	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 10:01	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 10:01	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 10:01	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 10:01	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 10:01	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 10:01	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 10:01	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 10:01	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 10:01	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 10:01	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 10:01	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 10:01	WG2066129
Chloromethane	3.78		0.0556	0.500	1	05/25/2023 10:01	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 10:01	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 10:01	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 10:01	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 10:01	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 10:01	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 10:01	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 10:01	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 10:01	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 10:01	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 10:01	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 10:01	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 10:01	WG2066129
cis-1,2-Dichloroethene	330		0.276	1.00	10	05/30/2023 17:43	WG2068671
trans-1,2-Dichloroethene	5.04		0.0572	0.200	1	05/25/2023 10:01	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 10:01	WG2066129

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		0.0280	0.100	1	05/25/2023 10:01	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 10:01	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 10:01	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 10:01	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 10:01	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 10:01	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 10:01	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 10:01	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 10:01	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 10:01	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 10:01	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 10:01	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 10:01	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 10:01	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 10:01	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 10:01	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 10:01	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 10:01	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 10:01	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 10:01	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 10:01	WG2066129
Toluene	0.183	J	0.0500	0.200	1	05/25/2023 10:01	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 10:01	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 10:01	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 10:01	WG2066129
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 10:01	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 10:01	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 10:01	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 10:01	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 10:01	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 10:01	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 10:01	WG2066129
Vinyl chloride	524	C5	0.273	1.00	10	05/30/2023 17:43	WG2068671
Xylenes, Total	U		0.191	0.260	1	05/25/2023 10:01	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 10:01	WG2066129
Tetrahydrofuran	1.97	C3 J3	0.0900	0.500	1	05/25/2023 10:01	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 10:01	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 10:01	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 10:01	WG2066129
(S) Toluene-d8	*105*			*75.0-131*		*05/25/2023 10:01*	WG2066129
(S) Toluene-d8	*108*			*75.0-131*		*05/30/2023 17:43*	WG2068671
(S) 4-Bromofluorobenzene	*97.9*			*67.0-138*		*05/25/2023 10:01*	WG2066129
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/30/2023 17:43*	WG2068671
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/25/2023 10:01*	WG2066129
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*05/30/2023 17:43*	WG2068671

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.38	C3 J3	0.548	1.00	1	05/25/2023 09:22	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 09:22	WG2066129
Benzene	0.0240	J	0.0160	0.0400	1	05/25/2023 09:22	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 09:22	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 09:22	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 09:22	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 09:22	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 09:22	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 09:22	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 09:22	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 09:22	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 09:22	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 09:22	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 09:22	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 09:22	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 09:22	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 09:22	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 09:22	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 09:22	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 09:22	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 09:22	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 09:22	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 09:22	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 09:22	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 09:22	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 09:22	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 09:22	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 09:22	WG2066129
cis-1,2-Dichloroethene	0.197		0.0276	0.100	1	05/25/2023 09:22	WG2066129
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 09:22	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 09:22	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 09:22	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 09:22	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 09:22	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 09:22	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 09:22	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 09:22	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 09:22	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 09:22	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 09:22	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 09:22	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 09:22	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 09:22	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 09:22	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 09:22	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 09:22	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 09:22	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 09:22	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 09:22	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 09:22	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 09:22	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 09:22	WG2066129
Toluene	U		0.0500	0.200	1	05/25/2023 09:22	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 09:22	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 09:22	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 09:22	WG2066129

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 09:22	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 09:22	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 09:22	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 09:22	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 09:22	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 09:22	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 09:22	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 09:22	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 09:22	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 09:22	WG2066129
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/25/2023 09:22	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 09:22	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 09:22	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 09:22	WG2066129
(S) Toluene-d8	*108*			*75.0-131*		*05/25/2023 09:22*	WG2066129
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*05/25/2023 09:22*	WG2066129
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/25/2023 09:22*	WG2066129

Volatile 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		0.548	1.00	1	05/30/2023 18:02	WG2068671
Acrylonitrile	U	C3	0.0760	0.500	1	05/30/2023 18:02	WG2068671
Benzene	0.0600		0.0160	0.0400	1	05/30/2023 18:02	WG2068671
Bromobenzene	U		0.0420	0.500	1	05/30/2023 18:02	WG2068671
Bromodichloromethane	U		0.0315	0.100	1	05/30/2023 18:02	WG2068671
Bromoform	U		0.239	1.00	1	05/30/2023 18:02	WG2068671
Bromomethane	U	J4	0.148	0.500	1	05/30/2023 18:02	WG2068671
n-Butylbenzene	U		0.153	0.500	1	05/30/2023 18:02	WG2068671
sec-Butylbenzene	U		0.101	0.500	1	05/30/2023 18:02	WG2068671
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2023 18:02	WG2068671
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2023 18:02	WG2068671
Chlorobenzene	U		0.0229	0.100	1	05/30/2023 18:02	WG2068671
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2023 18:02	WG2068671
Chloroethane	U		0.0432	0.200	1	05/30/2023 18:02	WG2068671
Chloroform	U		0.0166	0.100	1	05/30/2023 18:02	WG2068671
Chloromethane	U		0.0556	0.500	1	05/30/2023 18:02	WG2068671
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2023 18:02	WG2068671
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2023 18:02	WG2068671
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/30/2023 18:02	WG2068671
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2023 18:02	WG2068671
Dibromomethane	U		0.0400	0.200	1	05/30/2023 18:02	WG2068671
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2023 18:02	WG2068671
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2023 18:02	WG2068671
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2023 18:02	WG2068671
Dichlorodifluoromethane	U		0.0327	0.100	1	05/30/2023 18:02	WG2068671
1,1-Dichloroethane	U		0.0230	0.100	1	05/30/2023 18:02	WG2068671
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2023 18:02	WG2068671
1,1-Dichloroethene	U		0.0200	0.100	1	05/30/2023 18:02	WG2068671
cis-1,2-Dichloroethene	5.76		0.0276	0.100	1	05/30/2023 18:02	WG2068671
trans-1,2-Dichloroethene	0.0970	J	0.0572	0.200	1	05/30/2023 18:02	WG2068671
1,2-Dichloropropane	U		0.0508	0.200	1	05/30/2023 18:02	WG2068671
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2023 18:02	WG2068671
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2023 18:02	WG2068671
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2023 18:02	WG2068671
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2023 18:02	WG2068671
2,2-Dichloropropane	U	J4	0.0317	0.100	1	05/30/2023 18:02	WG2068671
Di-isopropyl ether	U	C3	0.0140	0.0400	1	05/30/2023 18:02	WG2068671
Ethylbenzene	U		0.0212	0.100	1	05/30/2023 18:02	WG2068671
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2023 18:02	WG2068671
Isopropylbenzene	U	J4	0.0345	0.100	1	05/30/2023 18:02	WG2068671
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2023 18:02	WG2068671
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/30/2023 18:02	WG2068671
Methylene Chloride	U		0.265	1.00	1	05/30/2023 18:02	WG2068671
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/30/2023 18:02	WG2068671
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/30/2023 18:02	WG2068671
Naphthalene	0.498	J	0.124	0.500	1	05/30/2023 18:02	WG2068671
n-Propylbenzene	0.0590	J	0.0472	0.200	1	05/30/2023 18:02	WG2068671
Styrene	U		0.109	0.500	1	05/30/2023 18:02	WG2068671
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2023 18:02	WG2068671
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2023 18:02	WG2068671
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2023 18:02	WG2068671
Tetrachloroethene	U		0.0280	0.100	1	05/30/2023 18:02	WG2068671
Toluene	U		0.0500	0.200	1	05/30/2023 18:02	WG2068671
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/30/2023 18:02	WG2068671
1,2,4-Trichlorobenzene	U	C3	0.193	0.500	1	05/30/2023 18:02	WG2068671
1,1,1-Trichloroethane	U	J4	0.0110	0.100	1	05/30/2023 18:02	WG2068671

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/30/2023 18:02	WG2068671
Trichloroethene	0.135		0.0160	0.0400	1	05/30/2023 18:02	WG2068671
Trichlorofluoromethane	U	J4	0.0200	0.100	1	05/30/2023 18:02	WG2068671
1,2,3-Trichloropropane	U		0.204	0.500	1	05/30/2023 18:02	WG2068671
1,2,4-Trimethylbenzene	0.332		0.0464	0.200	1	05/30/2023 18:02	WG2068671
1,2,3-Trimethylbenzene	0.100	J	0.0460	0.200	1	05/30/2023 18:02	WG2068671
1,3,5-Trimethylbenzene	0.170	J	0.0432	0.200	1	05/30/2023 18:02	WG2068671
Vinyl chloride	1.19	C5	0.0273	0.100	1	05/30/2023 18:02	WG2068671
Xylenes, Total	U		0.191	0.260	1	05/30/2023 18:02	WG2068671
Ethyl Ether	U		0.0170	0.100	1	05/30/2023 18:02	WG2068671
Tetrahydrofuran	0.381	C3 J	0.0900	0.500	1	05/30/2023 18:02	WG2068671
Iodomethane	U		0.242	0.500	1	05/30/2023 18:02	WG2068671
Allyl chloride	U		0.580	1.00	1	05/30/2023 18:02	WG2068671
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/30/2023 18:02	WG2068671
(S) Toluene-d8	*102*			*75.0-131*		*05/30/2023 18:02*	WG2068671
(S) 4-Bromofluorobenzene	*126*			*67.0-138*		*05/30/2023 18:02*	WG2068671
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*		*05/30/2023 18:02*	WG2068671

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	05/24/2023 03:04	WG2065198

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)	256	B J P1	102	1000	1	05/30/2023 15:07	WG2065458

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	05/22/2023 16:15	WG2063426
Manganese	U		0.704	5.00	1	05/22/2023 16:15	WG2063426

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1.29		0.287	0.678	1	05/25/2023 12:07	WG2065642
Ethane	U		0.296	1.29	1	05/25/2023 12:07	WG2065642
Ethene	U		0.422	1.27	1	05/25/2023 12:07	WG2065642

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.88	C3 J3	0.548	1.00	1	05/25/2023 08:44	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 08:44	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 08:44	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 08:44	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 08:44	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 08:44	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 08:44	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 08:44	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 08:44	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 08:44	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 08:44	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 08:44	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 08:44	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 08:44	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 08:44	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 08:44	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 08:44	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 08:44	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 08:44	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 08:44	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 08:44	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 08:44	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 08:44	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 08:44	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 08:44	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 08:44	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 08:44	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 08:44	WG2066129
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/25/2023 08:44	WG2066129
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 08:44	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 08:44	WG2066129

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		0.0280	0.100	1	05/25/2023 08:44	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 08:44	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 08:44	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 08:44	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 08:44	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 08:44	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 08:44	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 08:44	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 08:44	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 08:44	WG2066129
2-Butanone (MEK)	1.31		0.500	1.00	1	05/25/2023 08:44	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 08:44	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 08:44	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 08:44	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 08:44	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 08:44	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 08:44	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 08:44	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 08:44	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 08:44	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 08:44	WG2066129
Toluene	U		0.0500	0.200	1	05/25/2023 08:44	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 08:44	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 08:44	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 08:44	WG2066129
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 08:44	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 08:44	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 08:44	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 08:44	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 08:44	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 08:44	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 08:44	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 08:44	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 08:44	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 08:44	WG2066129
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/25/2023 08:44	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 08:44	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 08:44	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 08:44	WG2066129
(S) Toluene-d8	*105*			*75.0-131*		*05/25/2023 08:44*	WG2066129
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*05/25/2023 08:44*	WG2066129
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*05/25/2023 08:44*	WG2066129

Method Blank (MB)

(MB) R3932506-1 05/23/23 11:02

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

L1617133-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1617133-01 05/23/23 21:38 • (DUP) R3932506-7 05/23/23 22:06

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	1830000	1830000	1	0.258	E	15

L1617144-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1617144-04 05/24/23 05:08 • (DUP) R3932506-15 05/24/23 10:25

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	2120000	2180000	1	2.74	E	15

L1616887-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1616887-02 05/23/23 18:54 • (DUP) R3932506-3 05/23/23 19:21

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	95200	94600	1	0.640		15

L1617133-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1617133-01 05/23/23 21:52 • (DUP) R3932506-8 05/23/23 22:20

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	1920000	1930000	10	0.185		15

Laboratory Control Sample (LCS)

(LCS) R3932506-2 05/23/23 11:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	40800	102	80.0-120	

L1617133-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617133-01 05/23/23 21:38 • (MS) R3932506-9 05/23/23 22:33 • (MSD) R3932506-10 05/23/23 22:47

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 %
Sulfate	50000	1830000	1840000	1880000	12.1	99.8	1	80.0-120	E V	E	2.36	15

L1617144-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617144-04 05/24/23 05:08 • (MS) R3932506-17 05/24/23 10:52 • (MSD) R3932506-18 05/24/23 11:05

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	50000	2120000	2160000	2050000	89.2	0.000	1	80.0-120	E	E V	5.18	15

L1616887-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616887-02 05/23/23 18:54 • (MS) R3932506-5 05/23/23 19:48 • (MSD) R3932506-6 05/23/23 20:02

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 %
Sulfate	50000	95200	143000	141000	95.6	91.6	1	80.0-120			1.42	15

Method Blank (MB)

(MB) R3932835-1 05/23/23 12:22

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

L1617268-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1617268-19 05/24/23 02:30 • (DUP) R3932835-5 05/24/23 02:43

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	50700	50800	1	0.0437		15

L1617276-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1617276-04 05/24/23 05:43 • (DUP) R3932835-6 05/24/23 05:56

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	26300	26400	1	0.0156		15

Laboratory Control Sample (LCS)

(LCS) R3932835-2 05/23/23 12:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	38500	96.1	80.0-120	

L1617268-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617268-12 05/24/23 01:52 • (MS) R3932835-3 05/24/23 02:05 • (MSD) R3932835-4 05/24/23 02:17

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	127000	175000	175000	95.9	95.7	1	80.0-120			0.0534	15

L1617276-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1617276-04 05/24/23 05:43 • (MS) R3932835-7 05/24/23 06:09

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	50000	26300	75200	97.7	1	80.0-120	

Method Blank (MB)

(MB) R3930835-2 05/30/23 02:35

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	152	J	102	1000

Method Blank (MB)

(MB) R3930845-1 05/27/23 20:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	241	J	102	1000

L1617129-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1617129-03 05/30/23 09:34 • (DUP) R3930835-3 05/30/23 09:51

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	1010	1050	1	3.40		20

L1617171-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1617171-16 05/30/23 15:07 • (DUP) R3930835-8 05/30/23 15:58

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	256	U	1	200	P1	20

Laboratory Control Sample (LCS)

(LCS) R3930835-1 05/30/23 02:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	24000	95.9	85.0-115	

Laboratory Control Sample (LCS)

(LCS) R3930845-2 05/27/23 20:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	24800	99.3	85.0-115	

L1617129-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617129-04 05/30/23 10:07 • (MS) R3930835-4 05/30/23 10:26 • (MSD) R3930835-5 05/30/23 10:46

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 %
TOC (Total Organic Carbon)	25000	1180	25100	25700	95.6	98.2	1	80.0-120			2.56	20

L1617129-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617129-09 05/30/23 12:44 • (MS) R3930835-6 05/30/23 13:02 • (MSD) R3930835-7 05/30/23 13:20

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 %
TOC (Total Organic Carbon)	25000	1190	25000	25200	95.4	96.1	1	80.0-120			0.677	20

Method Blank (MB)

(MB) R3929073-1 05/24/23 18:01

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

Laboratory Control Sample (LCS)

(LCS) R3929073-2 05/24/23 18:05

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	1000	1060	106	80.0-120	
Manganese	50.0	53.5	107	80.0-120	

L1617225-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617225-01 05/24/23 18:08 • (MS) R3929073-4 05/24/23 18:15 • (MSD) R3929073-5 05/24/23 18:18

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	1000	221	1200	1230	97.6	101	1	75.0-125			2.47	20
Manganese	50.0	29.8	78.6	80.7	97.5	102	1	75.0-125			2.70	20

Method Blank (MB)

(MB) R3927880-1 05/22/23 16:09

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

Laboratory Control Sample (LCS)

(LCS) R3927880-2 05/22/23 16:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	1000	1060	106	80.0-120	
Manganese	50.0	50.8	102	80.0-120	

L1617171-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617171-16 05/22/23 16:15 • (MS) R3927880-4 05/22/23 16:22 • (MSD) R3927880-5 05/22/23 16:26

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	1000	U	1080	1100	108	110	1	75.0-125			1.72	20
Manganese	50.0	U	50.7	50.3	101	101	1	75.0-125			0.829	20

Method Blank (MB)

(MB) R3929331-2 05/25/23 10:25

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

L1617268-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1617268-01 05/25/23 10:31 • (DUP) R3929331-3 05/25/23 11:12

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

L1617058-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1617058-02 05/25/23 11:22 • (DUP) R3929331-4 05/25/23 12:12

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	3020	3030	1	0.331		20
Ethane	1.76	1.58	1	200		20
Ethene	10.4	9.90	1	4.93		20

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

(LCS) R3929331-1 05/25/23 10:21 • (LCSD) R3929331-5 05/25/23 12:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	70.7	62.8	104	92.6	85.0-115			11.8	20
Ethane	129	115	114	89.1	88.4	85.0-115			0.873	20
Ethene	127	116	115	91.3	90.6	85.0-115			0.866	20

Method Blank (MB)

(MB) R3929483-2 05/25/23 13:52

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

L1616159-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1616159-06 05/25/23 14:57 • (DUP) R3929483-3 05/25/23 15:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	27700	26800	10	3.30		20

L1617171-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1617171-09 05/25/23 16:02 • (DUP) R3929483-4 05/25/23 16:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	37500	37100	10	1.07		20

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

(LCS) R3929483-1 05/25/23 13:50 • (LCSD) R3929483-5 05/25/23 16:14

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	%	%	%			%	%
Methane	67.8	65.2	65.6	96.2	96.8	85.0-115			0.612	20

Method Blank (MB)

(MB) R3927891-3 05/21/23 21:16

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

Method Blank (MB)

(MB) R3927891-3 05/21/23 21:16

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	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*82.7*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*

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

(LCS) R3927891-1 05/21/23 19:59 • (LCSD) R3927891-2 05/21/23 20:18

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	24.5	24.8	98.0	99.2	10.0-160			1.22	31
Acrylonitrile	25.0	34.0	29.7	136	119	45.0-153			13.5	22
Benzene	5.00	4.43	4.52	88.6	90.4	70.0-123			2.01	20
Bromobenzene	5.00	5.43	5.38	109	108	73.0-121			0.925	20
Bromodichloromethane	5.00	4.96	5.11	99.2	102	73.0-121			2.98	20
Bromoform	5.00	6.31	6.56	126	131	64.0-132			3.89	20
Bromomethane	5.00	4.42	4.38	88.4	87.6	56.0-147			0.909	20
n-Butylbenzene	5.00	4.29	4.58	85.8	91.6	68.0-135			6.54	20
sec-Butylbenzene	5.00	4.23	4.67	84.6	93.4	74.0-130			9.89	20
tert-Butylbenzene	5.00	4.28	4.48	85.6	89.6	75.0-127			4.57	20
Carbon tetrachloride	5.00	5.23	5.31	105	106	66.0-128			1.52	20
Chlorobenzene	5.00	4.98	5.30	99.6	106	76.0-128			6.23	20
Chlorodibromomethane	5.00	5.50	5.54	110	111	74.0-127			0.725	20
Chloroethane	5.00	4.44	4.52	88.8	90.4	61.0-134			1.79	20
Chloroform	5.00	5.10	5.13	102	103	72.0-123			0.587	20
Chloromethane	5.00	5.49	5.56	110	111	51.0-138			1.27	20
2-Chlorotoluene	5.00	4.87	5.06	97.4	101	75.0-124			3.83	20
4-Chlorotoluene	5.00	4.34	4.66	86.8	93.2	75.0-124			7.11	20
1,2-Dibromo-3-Chloropropane	5.00	6.34	6.87	127	137	59.0-130		J4	8.02	20
1,2-Dibromoethane	5.00	5.39	5.52	108	110	74.0-128			2.38	20
Dibromomethane	5.00	5.16	5.19	103	104	75.0-122			0.580	20
1,2-Dichlorobenzene	5.00	5.62	5.89	112	118	76.0-124			4.69	20
1,3-Dichlorobenzene	5.00	5.93	5.81	119	116	76.0-125			2.04	20
1,4-Dichlorobenzene	5.00	4.98	5.73	99.6	115	77.0-121			14.0	20
Dichlorodifluoromethane	5.00	4.05	4.17	81.0	83.4	43.0-156			2.92	20
1,1-Dichloroethane	5.00	4.93	5.15	98.6	103	70.0-127			4.37	20
1,2-Dichloroethane	5.00	5.39	5.54	108	111	65.0-131			2.74	20
1,1-Dichloroethene	5.00	4.72	4.88	94.4	97.6	65.0-131			3.33	20
cis-1,2-Dichloroethene	5.00	4.45	4.66	89.0	93.2	73.0-125			4.61	20
trans-1,2-Dichloroethene	5.00	4.56	4.70	91.2	94.0	71.0-125			3.02	20
1,2-Dichloropropane	5.00	5.05	5.03	101	101	74.0-125			0.397	20
1,1-Dichloropropene	5.00	4.77	4.76	95.4	95.2	73.0-125			0.210	20
1,3-Dichloropropane	5.00	4.95	5.12	99.0	102	80.0-125			3.38	20
cis-1,3-Dichloropropene	5.00	4.90	4.87	98.0	97.4	76.0-127			0.614	20
trans-1,3-Dichloropropene	5.00	4.80	4.96	96.0	99.2	73.0-127			3.28	20
2,2-Dichloropropane	5.00	4.46	5.15	89.2	103	59.0-135			14.4	20
Di-isopropyl ether	5.00	5.51	5.74	110	115	60.0-136			4.09	20
Ethylbenzene	5.00	4.73	5.06	94.6	101	74.0-126			6.74	20
Hexachloro-1,3-butadiene	5.00	8.10	8.55	162	171	57.0-150	J4	J4	5.41	20
Isopropylbenzene	5.00	4.56	4.94	91.2	98.8	72.0-127			8.00	20

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

(LCS) R3927891-1 05/21/23 19:59 • (LCSD) R3927891-2 05/21/23 20:18

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	4.65	4.93	93.0	98.6	72.0-133			5.85	20
2-Butanone (MEK)	25.0	26.2	27.4	105	110	30.0-160			4.48	24
Methylene Chloride	5.00	2.48	4.84	49.6	96.8	68.0-123	J4	J3	64.5	20
4-Methyl-2-pentanone (MIBK)	25.0	31.3	32.0	125	128	56.0-143			2.21	20
Methyl tert-butyl ether	5.00	5.05	4.96	101	99.2	66.0-132			1.80	20
Naphthalene	5.00	5.57	5.62	111	112	59.0-130			0.894	20
n-Propylbenzene	5.00	4.17	4.33	83.4	86.6	74.0-126			3.76	20
Styrene	5.00	4.52	4.78	90.4	95.6	72.0-127			5.59	20
1,1,1,2-Tetrachloroethane	5.00	5.71	6.02	114	120	74.0-129			5.29	20
1,1,2,2-Tetrachloroethane	5.00	4.92	5.10	98.4	102	68.0-128			3.59	20
1,1,2-Trichlorotrifluoroethane	5.00	4.28	4.54	85.6	90.8	61.0-139			5.90	20
Tetrachloroethene	5.00	5.45	5.77	109	115	70.0-136			5.70	20
Toluene	5.00	4.55	4.85	91.0	97.0	75.0-121			6.38	20
1,2,3-Trichlorobenzene	5.00	7.29	7.40	146	148	59.0-139	J4	J4	1.50	20
1,2,4-Trichlorobenzene	5.00	8.30	7.97	166	159	62.0-137	J4	J4	4.06	20
1,1,1-Trichloroethane	5.00	4.71	5.16	94.2	103	69.0-126			9.12	20
1,1,2-Trichloroethane	5.00	4.69	4.83	93.8	96.6	78.0-123			2.94	20
Trichloroethene	5.00	5.15	5.32	103	106	76.0-126			3.25	20
Trichlorofluoromethane	5.00	5.16	4.84	103	96.8	61.0-142			6.40	20
1,2,3-Trichloropropane	5.00	5.39	5.54	108	111	67.0-129			2.74	20
1,2,4-Trimethylbenzene	5.00	4.56	4.84	91.2	96.8	70.0-126			5.96	20
1,2,3-Trimethylbenzene	5.00	4.85	5.03	97.0	101	74.0-124			3.64	20
1,3,5-Trimethylbenzene	5.00	4.32	4.62	86.4	92.4	73.0-127			6.71	20
Vinyl chloride	5.00	4.18	4.33	83.6	86.6	63.0-134			3.53	20
Xylenes, Total	15.0	13.8	14.9	92.0	99.3	72.0-127			7.67	20
Ethyl Ether	5.00	5.24	5.46	105	109	64.0-137			4.11	20
Tetrahydrofuran	5.00	5.64	5.50	113	110	37.0-146			2.51	24
Iodomethane	25.0	8.15	8.12	32.6	32.5	74.0-134	J4	J4	0.369	20
Allyl chloride	25.0	22.4	23.0	89.6	92.0	70.0-131			2.64	20
Trans-1,4-Dichloro-2-butene	5.00	4.64	4.53	92.8	90.6	45.0-143			2.40	20
(S) Toluene-d8				*95.6*	*96.9*	*75.0-131*				
(S) 4-Bromofluorobenzene				*86.0*	*91.5*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*117*	*117*	*70.0-130*				

Method Blank (MB)

(MB) R3929800-2 05/24/23 22:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3929800-1 05/24/23 22:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,2-Dichloroethene	5.00	4.57	91.4	73.0-125	
Vinyl chloride	5.00	4.23	84.6	63.0-134	
(S) Toluene-d8			*110*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.7*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*102*	*70.0-130*	

Method Blank (MB)

(MB) R3930186-3 05/25/23 08:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		0.548	1.00
Acrylonitrile	U		0.0760	0.500
Benzene	U		0.0160	0.0400
Bromobenzene	U		0.0420	0.500
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

Method Blank (MB)

(MB) R3930186-3 05/25/23 08:06

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	*96.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

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

(LCS) R3930186-1 05/25/23 06:31 • (LCSD) R3930186-2 05/25/23 06:50

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	3.78	20.1	15.1	80.4	10.0-160		J3	137	31
Acrylonitrile	25.0	29.6	20.6	118	82.4	45.0-153		J3	35.9	22
Benzene	5.00	4.64	4.16	92.8	83.2	70.0-123			10.9	20
Bromobenzene	5.00	4.27	4.30	85.4	86.0	73.0-121			0.700	20
Bromodichloromethane	5.00	4.72	4.51	94.4	90.2	73.0-121			4.55	20
Bromoform	5.00	4.25	4.07	85.0	81.4	64.0-132			4.33	20
Bromomethane	5.00	5.08	4.32	102	86.4	56.0-147			16.2	20
n-Butylbenzene	5.00	3.89	3.53	77.8	70.6	68.0-135			9.70	20
sec-Butylbenzene	5.00	4.12	3.93	82.4	78.6	74.0-130			4.72	20
tert-Butylbenzene	5.00	4.06	3.97	81.2	79.4	75.0-127			2.24	20
Carbon tetrachloride	5.00	4.68	4.31	93.6	86.2	66.0-128			8.23	20
Chlorobenzene	5.00	4.75	4.34	95.0	86.8	76.0-128			9.02	20
Chlorodibromomethane	5.00	4.33	4.00	86.6	80.0	74.0-127			7.92	20
Chloroethane	5.00	4.70	4.60	94.0	92.0	61.0-134			2.15	20
Chloroform	5.00	4.94	4.51	98.8	90.2	72.0-123			9.10	20
Chloromethane	5.00	5.50	4.69	110	93.8	51.0-138			15.9	20
2-Chlorotoluene	5.00	4.22	3.95	84.4	79.0	75.0-124			6.61	20
4-Chlorotoluene	5.00	3.99	3.94	79.8	78.8	75.0-124			1.26	20
1,2-Dibromo-3-Chloropropane	5.00	3.86	3.32	77.2	66.4	59.0-130			15.0	20
1,2-Dibromoethane	5.00	4.54	4.38	90.8	87.6	74.0-128			3.59	20
Dibromomethane	5.00	5.15	4.70	103	94.0	75.0-122			9.14	20
1,2-Dichlorobenzene	5.00	4.60	4.17	92.0	83.4	76.0-124			9.81	20
1,3-Dichlorobenzene	5.00	4.51	4.26	90.2	85.2	76.0-125			5.70	20
1,4-Dichlorobenzene	5.00	4.41	4.32	88.2	86.4	77.0-121			2.06	20
Dichlorodifluoromethane	5.00	5.94	5.07	119	101	43.0-156			15.8	20
1,1-Dichloroethane	5.00	4.90	4.43	98.0	88.6	70.0-127			10.1	20
1,2-Dichloroethane	5.00	4.72	4.61	94.4	92.2	65.0-131			2.36	20
1,1-Dichloroethene	5.00	5.04	4.43	101	88.6	65.0-131			12.9	20
cis-1,2-Dichloroethene	5.00	4.89	4.45	97.8	89.0	73.0-125			9.42	20
trans-1,2-Dichloroethene	5.00	4.59	4.34	91.8	86.8	71.0-125			5.60	20
1,2-Dichloropropane	5.00	4.81	4.15	96.2	83.0	74.0-125			14.7	20
1,1-Dichloropropene	5.00	5.04	4.35	101	87.0	73.0-125			14.7	20
1,3-Dichloropropane	5.00	4.55	4.23	91.0	84.6	80.0-125			7.29	20
cis-1,3-Dichloropropene	5.00	4.70	4.28	94.0	85.6	76.0-127			9.35	20
trans-1,3-Dichloropropene	5.00	4.27	4.00	85.4	80.0	73.0-127			6.53	20
2,2-Dichloropropane	5.00	3.81	3.57	76.2	71.4	59.0-135			6.50	20
Di-isopropyl ether	5.00	5.11	4.60	102	92.0	60.0-136			10.5	20
Ethylbenzene	5.00	4.82	4.43	96.4	88.6	74.0-126			8.43	20
Hexachloro-1,3-butadiene	5.00	4.44	3.66	88.8	73.2	57.0-150			19.3	20
Isopropylbenzene	5.00	4.49	4.02	89.8	80.4	72.0-127			11.0	20

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

(LCS) R3930186-1 05/25/23 06:31 • (LCSD) R3930186-2 05/25/23 06:50

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	4.23	4.02	84.6	80.4	72.0-133			5.09	20
2-Butanone (MEK)	25.0	24.6	23.3	98.4	93.2	30.0-160			5.43	24
Methylene Chloride	5.00	5.08	4.77	102	95.4	68.0-123			6.29	20
4-Methyl-2-pentanone (MIBK)	25.0	25.5	23.5	102	94.0	56.0-143			8.16	20
Methyl tert-butyl ether	5.00	4.54	4.04	90.8	80.8	66.0-132			11.7	20
Naphthalene	5.00	3.37	2.90	67.4	58.0	59.0-130		J4	15.0	20
n-Propylbenzene	5.00	3.99	3.83	79.8	76.6	74.0-126			4.09	20
Styrene	5.00	4.39	4.05	87.8	81.0	72.0-127			8.06	20
1,1,1,2-Tetrachloroethane	5.00	4.37	4.08	87.4	81.6	74.0-129			6.86	20
1,1,2,2-Tetrachloroethane	5.00	3.98	3.72	79.6	74.4	68.0-128			6.75	20
1,1,2-Trichlorotrifluoroethane	5.00	4.75	4.82	95.0	96.4	61.0-139			1.46	20
Tetrachloroethene	5.00	4.82	4.54	96.4	90.8	70.0-136			5.98	20
Toluene	5.00	4.61	4.19	92.2	83.8	75.0-121			9.55	20
1,2,3-Trichlorobenzene	5.00	3.50	3.13	70.0	62.6	59.0-139			11.2	20
1,2,4-Trichlorobenzene	5.00	4.14	3.45	82.8	69.0	62.0-137			18.2	20
1,1,1-Trichloroethane	5.00	4.92	4.44	98.4	88.8	69.0-126			10.3	20
1,1,2-Trichloroethane	5.00	4.50	4.28	90.0	85.6	78.0-123			5.01	20
Trichloroethene	5.00	5.24	4.82	105	96.4	76.0-126			8.35	20
Trichlorofluoromethane	5.00	5.16	4.73	103	94.6	61.0-142			8.70	20
1,2,3-Trichloropropane	5.00	4.11	4.22	82.2	84.4	67.0-129			2.64	20
1,2,4-Trimethylbenzene	5.00	4.03	3.88	80.6	77.6	70.0-126			3.79	20
1,2,3-Trimethylbenzene	5.00	4.12	3.93	82.4	78.6	74.0-124			4.72	20
1,3,5-Trimethylbenzene	5.00	4.08	3.76	81.6	75.2	73.0-127			8.16	20
Vinyl chloride	5.00	5.55	4.73	111	94.6	63.0-134			16.0	20
Xylenes, Total	15.0	13.8	12.5	92.0	83.3	72.0-127			9.89	20
Ethyl Ether	5.00	4.56	4.54	91.2	90.8	64.0-137			0.440	20
Tetrahydrofuran	5.00	2.71	5.03	54.2	101	37.0-146		J3	59.9	24
Iodomethane	25.0	24.2	22.3	96.8	89.2	74.0-134			8.17	20
Allyl chloride	25.0	23.4	21.0	93.6	84.0	70.0-131			10.8	20
Trans-1,4-Dichloro-2-butene	5.00	3.69	3.55	73.8	71.0	45.0-143			3.87	20
(S) Toluene-d8				*104*	*103*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*104*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*105*	*107*	*70.0-130*				

Method Blank (MB)

(MB) R3931081-2 05/30/23 10:32

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

Method Blank (MB)

(MB) R3931081-2 05/30/23 10:32

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	*103*			*75.0-131*
(S) 4-Bromofluorobenzene	*124*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3931081-1 05/30/23 09:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	24.7	98.8	10.0-160	
Acrylonitrile	25.0	19.1	76.4	45.0-153	
Benzene	5.00	5.20	104	70.0-123	
Bromobenzene	5.00	4.67	93.4	73.0-121	
Bromodichloromethane	5.00	5.16	103	73.0-121	
Bromoform	5.00	4.80	96.0	64.0-132	
Bromomethane	5.00	8.47	169	56.0-147	J4
n-Butylbenzene	5.00	5.78	116	68.0-135	
sec-Butylbenzene	5.00	5.89	118	74.0-130	
tert-Butylbenzene	5.00	5.14	103	75.0-127	
Carbon tetrachloride	5.00	5.44	109	66.0-128	
Chlorobenzene	5.00	5.07	101	76.0-128	
Chlorodibromomethane	5.00	4.79	95.8	74.0-127	
Chloroethane	5.00	5.90	118	61.0-134	
Chloroform	5.00	5.56	111	72.0-123	
Chloromethane	5.00	4.57	91.4	51.0-138	
2-Chlorotoluene	5.00	5.40	108	75.0-124	
4-Chlorotoluene	5.00	4.87	97.4	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	5.16	103	59.0-130	
1,2-Dibromoethane	5.00	4.74	94.8	74.0-128	
Dibromomethane	5.00	5.55	111	75.0-122	
1,2-Dichlorobenzene	5.00	5.01	100	76.0-124	
1,3-Dichlorobenzene	5.00	5.01	100	76.0-125	
1,4-Dichlorobenzene	5.00	5.00	100	77.0-121	
Dichlorodifluoromethane	5.00	5.60	112	43.0-156	
1,1-Dichloroethane	5.00	4.77	95.4	70.0-127	
1,2-Dichloroethane	5.00	4.50	90.0	65.0-131	
1,1-Dichloroethene	5.00	4.91	98.2	65.0-131	
cis-1,2-Dichloroethene	5.00	5.74	115	73.0-125	
trans-1,2-Dichloroethene	5.00	5.53	111	71.0-125	
1,2-Dichloropropane	5.00	4.22	84.4	74.0-125	
1,1-Dichloropropene	5.00	5.23	105	73.0-125	
1,3-Dichloropropane	5.00	4.71	94.2	80.0-125	
cis-1,3-Dichloropropene	5.00	4.81	96.2	76.0-127	
trans-1,3-Dichloropropene	5.00	4.66	93.2	73.0-127	
2,2-Dichloropropane	5.00	6.89	138	59.0-135	J4
Di-isopropyl ether	5.00	3.77	75.4	60.0-136	
Ethylbenzene	5.00	5.43	109	74.0-126	
Hexachloro-1,3-butadiene	5.00	4.18	83.6	57.0-150	
Isopropylbenzene	5.00	6.64	133	72.0-127	J4

Laboratory Control Sample (LCS)

(LCS) R3931081-1 05/30/23 09:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
p-Isopropyltoluene	5.00	5.98	120	72.0-133	
2-Butanone (MEK)	25.0	17.5	70.0	30.0-160	
Methylene Chloride	5.00	5.49	110	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	18.4	73.6	56.0-143	
Methyl tert-butyl ether	5.00	6.14	123	66.0-132	
Naphthalene	5.00	4.46	89.2	59.0-130	
n-Propylbenzene	5.00	5.40	108	74.0-126	
Styrene	5.00	4.70	94.0	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	5.35	107	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	5.72	114	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	5.76	115	61.0-139	
Tetrachloroethene	5.00	5.05	101	70.0-136	
Toluene	5.00	4.88	97.6	75.0-121	
1,2,3-Trichlorobenzene	5.00	4.36	87.2	59.0-139	
1,2,4-Trichlorobenzene	5.00	3.82	76.4	62.0-137	
1,1,1-Trichloroethane	5.00	6.51	130	69.0-126	J4
1,1,2-Trichloroethane	5.00	4.80	96.0	78.0-123	
Trichloroethene	5.00	5.14	103	76.0-126	
Trichlorofluoromethane	5.00	7.13	143	61.0-142	J4
1,2,3-Trichloropropane	5.00	5.27	105	67.0-129	
1,2,4-Trimethylbenzene	5.00	5.51	110	70.0-126	
1,2,3-Trimethylbenzene	5.00	5.34	107	74.0-124	
1,3,5-Trimethylbenzene	5.00	5.57	111	73.0-127	
Vinyl chloride	5.00	6.06	121	63.0-134	
Xylenes, Total	15.0	16.0	107	72.0-127	
Ethyl Ether	5.00	4.16	83.2	64.0-137	
Tetrahydrofuran	5.00	3.68	73.6	37.0-146	
Iodomethane	25.0	29.7	119	74.0-134	
Allyl chloride	25.0	29.7	119	70.0-131	
Trans-1,4-Dichloro-2-butene	5.00	3.34	66.8	45.0-143	
(S) Toluene-d8			*99.6*	*75.0-131*	
(S) 4-Bromofluorobenzene			*102*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*97.5*	*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.
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.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
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	LAO000356
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:
Rachel.McLaughlin@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 #
443022-1413001.10.701.02

Lab Project #
PESENVSWA-ALP

Collected by (print):
NEW

Site/Facility ID #

P.O. #~~443022-1413001.10.701~~
~~443018-1413001.05.601~~ .02

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

Analysis / Container / Preservative

Chain of Custody Page 1 of ___

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 # U671171
B071
Table # ...ENVSWA
Template: **T229085**
Prelogin: **P994911**
PM: **546 - Jared Starkey**
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-311-051523	G	GW	—	5/15/23	1000	3							X		-01
MW-109-051523		GW			1101								X		-02
~~MW~~ MW111-051523 (NEW)		GW			1143								X		-03
FMW-140-051523		GW			1313								X		-04
FMW-141-051523		GW			1459								X		-05
GEI-MW-1-051623		GW		5/16/23	1047								X		-06
MW127-051623		GW			1225								X		-07
MW-317-051623		GW			1416								X		-08
W-MW-01-051623		GW			0857	9		X	X	X	X	X	X		-09
MW-318-051623		GW			1431	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 _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6481 5464 7616

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

	Date:	Time:		
Relinquished by : (Signature)			Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)			Received by: (Signature)	Temp: NSA °C Bottles Received: 13.2+0=13.2 12
Relinquished by : (Signature)			Received for lab by: (Signature)	Date: 5/17/23 Time: 9:30

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

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Rachel.McLaughlin@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 #
443022-1413001.10.701.02

Lab Project #
PESENVSWA-ALP

Collected by (print):
NEW

Site/Facility ID #

P.O. #~~443022-1413001.10.701~~ ~~443018-1413001.05.601~~ .02

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 #

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl					
MW121-051623	G	GW	—	5/16/23	1354	3						X					-11
MW-142-051623		GW			1225	9	X	X	X	X	X	X					-12
MW-143-051623		GW			1147	9	X	X	X	X	X	X					-13
MW-159-051623		GW			1115	3						X					-14
R-MW60-051623	↓	GW	↓	↓	1000	3						X					-15
		GW															
		GW															
		GW															
		GW															
		GW															

Chain of Custody Page 2 of 2

Pace
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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 # UA7171

Table #

Acctnum: **PESENVSWA**

Template: **T229085**

Prelogin: **P994911**

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:	Time:	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: 5/17/23 Time: 9:30	Hold: Condition: NCF / OK

5/17-NCF-L1617171 PESENVSWA

R5

Time estimate: oh **Time spent:** oh

Members

Hailey Melson (responsible) JS Jared Starkey

Due on *20 May 2023 8:00 AM* for target *Done*

- [ ] Parameter(s) past holding time
- [x] 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

Hailey Melson *17 May 2023 2:52 PM*

1) samples out of temp. Temp = 13.2
2) Received ID: EQ-051623 not listed on the COC.

Jared Starkey *17 May 2023 4:44 PM*

Did it appear there was at some point ice in the cooler? Water?

Hailey Melson *17 May 2023 5:22 PM*

Yes.

Jared Starkey *17 May 2023 5:27 PM*

They will get back to me tomorrow on if they want to proceed with analysis.

Jared Starkey *19 May 2023 10:25 AM*

Log and analyze all

Hailey Melson *19 May 2023 1:09 PM*

Done

ANALYTICAL REPORT

June 05, 2023

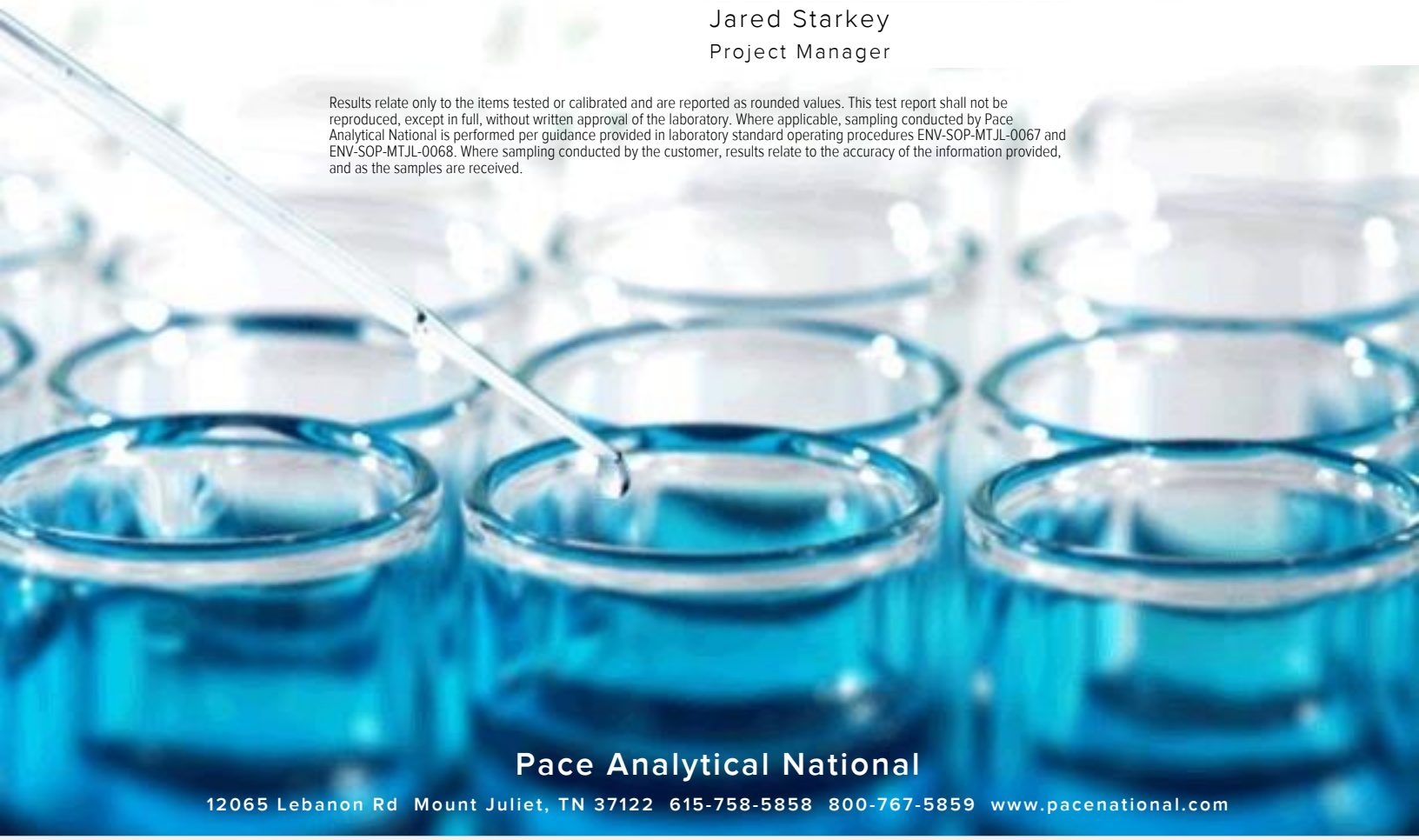
PES Environmental, Inc.- WA

Sample Delivery Group:	L1617276
Samples Received:	05/17/2023
Project Number:	443022
Description:	American Linen

Report To: Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager



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

TABLE OF CONTENTS

MW-161-051523 L1617276-01 GW

Collected by	Collected date/time	Received date/time
	05/15/23 10:10	05/17/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 10:20	05/25/23 10:20	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067921	1	05/29/23 12:05	05/29/23 12:05	JHH	Mt. Juliet, TN

MW-160-051523 L1617276-02 GW

Collected by	Collected date/time	Received date/time
	05/15/23 10:50	05/17/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 10:39	05/25/23 10:39	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067921	1	05/29/23 12:24	05/29/23 12:24	JHH	Mt. Juliet, TN

MW104-051523 L1617276-03 GW

Collected by	Collected date/time	Received date/time
	05/15/23 11:35	05/17/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 10:58	05/25/23 10:58	DWR	Mt. Juliet, TN

MW-145R-051523 L1617276-04 GW

Collected by	Collected date/time	Received date/time
	05/15/23 12:50	05/17/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2065411	1	05/24/23 05:43	05/24/23 05:43	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2066225	1	05/26/23 00:43	05/26/23 00:43	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2062611	1	05/23/23 14:28	05/24/23 22:44	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065652	1	05/25/23 15:53	05/25/23 15:53	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 11:17	05/25/23 11:17	DWR	Mt. Juliet, TN

MW-326R-051523 L1617276-05 GW

Collected by	Collected date/time	Received date/time
	05/15/23 14:16	05/17/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 11:36	05/25/23 11:36	DWR	Mt. Juliet, TN

MW-144R-051523 L1617276-06 GW

Collected by	Collected date/time	Received date/time
	05/15/23 15:10	05/17/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2065420	1	05/24/23 01:39	05/24/23 01:39	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2066225	1	05/26/23 01:04	05/26/23 01:04	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2062611	1	05/23/23 14:28	05/24/23 22:55	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065652	1	05/25/23 15:57	05/25/23 15:57	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2067033	10	05/26/23 11:03	05/26/23 11:03	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 11:55	05/25/23 11:55	DWR	Mt. Juliet, TN

TB-051623 L1617276-07 GW

Collected by	Collected date/time	Received date/time
	05/16/23 00:00	05/17/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 08:25	05/25/23 08:25	DWR	Mt. Juliet, TN

MW-989-051523 L1617276-08 GW

Collected by | Collected date/time 05/15/23 12:00 | Received date/time 05/17/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 12:14	05/25/23 12:14	DWR	Mt. Juliet, TN

MW-314-051523 L1617276-09 GW

Collected by | Collected date/time 05/15/23 09:46 | Received date/time 05/17/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 12:33	05/25/23 12:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067921	20	05/29/23 14:17	05/29/23 14:17	JHH	Mt. Juliet, TN

MW110-051523 L1617276-10 GW

Collected by | Collected date/time 05/15/23 10:26 | Received date/time 05/17/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 12:52	05/25/23 12:52	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067921	10	05/29/23 14:36	05/29/23 14:36	JHH	Mt. Juliet, TN

MW-313-051523 L1617276-11 GW

Collected by | Collected date/time 05/15/23 11:49 | Received date/time 05/17/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 13:12	05/25/23 13:12	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067921	1	05/29/23 12:43	05/29/23 12:43	JHH	Mt. Juliet, TN

MW-986-051523 L1617276-12 GW

Collected by | Collected date/time 05/15/23 11:55 | Received date/time 05/17/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 13:32	05/25/23 13:32	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067921	1	05/29/23 13:02	05/29/23 13:02	JHH	Mt. Juliet, TN

MW107-051523 L1617276-13 GW

Collected by | Collected date/time 05/15/23 16:25 | Received date/time 05/17/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2065420	1	05/24/23 01:52	05/24/23 01:52	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2066225	1	05/26/23 01:26	05/26/23 01:26	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2063426	1	05/20/23 23:39	05/22/23 16:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065652	1	05/25/23 16:01	05/25/23 16:01	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2067033	10	05/26/23 11:09	05/26/23 11:09	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 13:51	05/25/23 13:51	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067921	1	05/29/23 13:20	05/29/23 13:20	JHH	Mt. Juliet, TN

MW-991-051523 L1617276-14 GW

Collected by | Collected date/time 05/15/23 11:11 | Received date/time 05/17/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2065420	1	05/24/23 02:04	05/24/23 02:04	MDM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2066225	1	05/26/23 01:53	05/26/23 01:53	AW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2063426	1	05/20/23 23:39	05/22/23 16:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065652	1	05/25/23 16:04	05/25/23 16:04	CCM	Mt. Juliet, TN

SAMPLE SUMMARY

MW-991-051523 L1617276-14 GW

Collected by	Collected date/time	Received date/time
	05/15/23 11:11	05/17/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method RSK175	WG2067033	10	05/26/23 11:14	05/26/23 11:14	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066129	1	05/25/23 14:10	05/25/23 14:10	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067921	1	05/29/23 13:39	05/29/23 13:39	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

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.33	C3 J3	0.548	1.00	1	05/25/2023 10:20	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 10:20	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 10:20	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 10:20	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 10:20	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 10:20	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 10:20	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 10:20	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 10:20	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 10:20	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 10:20	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 10:20	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 10:20	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 10:20	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 10:20	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 10:20	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 10:20	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 10:20	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 10:20	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 10:20	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 10:20	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 10:20	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 10:20	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 10:20	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 10:20	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 10:20	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 10:20	WG2066129
1,1-Dichloroethene	0.773		0.0200	0.100	1	05/25/2023 10:20	WG2066129
cis-1,2-Dichloroethene	19.5		0.0276	0.100	1	05/29/2023 12:05	WG2067921
trans-1,2-Dichloroethene	0.271		0.0572	0.200	1	05/25/2023 10:20	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 10:20	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 10:20	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 10:20	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 10:20	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 10:20	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 10:20	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 10:20	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 10:20	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 10:20	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 10:20	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 10:20	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 10:20	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 10:20	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 10:20	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 10:20	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 10:20	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 10:20	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 10:20	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 10:20	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 10:20	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 10:20	WG2066129
Tetrachloroethene	0.604		0.0280	0.100	1	05/25/2023 10:20	WG2066129
Toluene	0.102	J	0.0500	0.200	1	05/25/2023 10:20	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 10:20	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 10:20	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 10:20	WG2066129

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 10:20	WG2066129
Trichloroethene	3.18		0.0160	0.0400	1	05/25/2023 10:20	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 10:20	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 10:20	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 10:20	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 10:20	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 10:20	WG2066129
Vinyl chloride	1.68		0.0273	0.100	1	05/29/2023 12:05	WG2067921
Xylenes, Total	U		0.191	0.260	1	05/25/2023 10:20	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 10:20	WG2066129
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/25/2023 10:20	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 10:20	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 10:20	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 10:20	WG2066129
(S) Toluene-d8	*106*			*75.0-131*		*05/25/2023 10:20*	WG2066129
(S) Toluene-d8	*104*			*75.0-131*		*05/29/2023 12:05*	WG2067921
(S) 4-Bromofluorobenzene	*98.8*			*67.0-138*		*05/25/2023 10:20*	WG2066129
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/29/2023 12:05*	WG2067921
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/25/2023 10:20*	WG2066129
(S) 1,2-Dichloroethane-d4	*99.3*			*70.0-130*		*05/29/2023 12:05*	WG2067921

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.46	C3 J3	0.548	1.00	1	05/25/2023 10:39	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 10:39	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 10:39	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 10:39	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 10:39	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 10:39	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 10:39	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 10:39	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 10:39	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 10:39	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 10:39	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 10:39	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 10:39	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 10:39	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 10:39	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 10:39	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 10:39	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 10:39	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 10:39	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 10:39	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 10:39	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 10:39	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 10:39	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 10:39	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 10:39	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 10:39	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 10:39	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 10:39	WG2066129
cis-1,2-Dichloroethene	0.600		0.0276	0.100	1	05/29/2023 12:24	WG2067921
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 10:39	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 10:39	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 10:39	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 10:39	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 10:39	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 10:39	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 10:39	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 10:39	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 10:39	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 10:39	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 10:39	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 10:39	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 10:39	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 10:39	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 10:39	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 10:39	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 10:39	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 10:39	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 10:39	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 10:39	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 10:39	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 10:39	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 10:39	WG2066129
Toluene	0.309		0.0500	0.200	1	05/25/2023 10:39	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 10:39	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 10:39	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 10:39	WG2066129

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 10:39	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 10:39	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 10:39	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 10:39	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 10:39	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 10:39	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 10:39	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 10:39	WG2066129
Xylenes, Total	0.530		0.191	0.260	1	05/25/2023 10:39	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 10:39	WG2066129
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/25/2023 10:39	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 10:39	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 10:39	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 10:39	WG2066129
(S) Toluene-d8	*106*			*75.0-131*		*05/25/2023 10:39*	WG2066129
(S) Toluene-d8	*105*			*75.0-131*		*05/29/2023 12:24*	WG2067921
(S) 4-Bromofluorobenzene	*99.8*			*67.0-138*		*05/25/2023 10:39*	WG2066129
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/29/2023 12:24*	WG2067921
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/25/2023 10:39*	WG2066129
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*05/29/2023 12:24*	WG2067921

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	16.8	C3 J3	0.548	1.00	1	05/25/2023 10:58	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 10:58	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 10:58	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 10:58	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 10:58	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 10:58	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 10:58	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 10:58	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 10:58	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 10:58	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 10:58	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 10:58	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 10:58	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 10:58	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 10:58	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 10:58	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 10:58	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 10:58	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 10:58	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 10:58	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 10:58	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 10:58	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 10:58	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 10:58	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 10:58	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 10:58	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 10:58	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 10:58	WG2066129
cis-1,2-Dichloroethene	6.66		0.0276	0.100	1	05/25/2023 10:58	WG2066129
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 10:58	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 10:58	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 10:58	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 10:58	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 10:58	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 10:58	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 10:58	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 10:58	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 10:58	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 10:58	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 10:58	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 10:58	WG2066129
2-Butanone (MEK)	2.68		0.500	1.00	1	05/25/2023 10:58	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 10:58	WG2066129
4-Methyl-2-pentanone (MIBK)	0.449	J	0.400	1.00	1	05/25/2023 10:58	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 10:58	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 10:58	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 10:58	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 10:58	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 10:58	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 10:58	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 10:58	WG2066129
Tetrachloroethene	0.189		0.0280	0.100	1	05/25/2023 10:58	WG2066129
Toluene	0.438		0.0500	0.200	1	05/25/2023 10:58	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 10:58	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 10:58	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 10:58	WG2066129

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 10:58	WG2066129
Trichloroethene	0.729		0.0160	0.0400	1	05/25/2023 10:58	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 10:58	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 10:58	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 10:58	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 10:58	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 10:58	WG2066129
Vinyl chloride	3.87		0.0273	0.100	1	05/25/2023 10:58	WG2066129
Xylenes, Total	0.452		0.191	0.260	1	05/25/2023 10:58	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 10:58	WG2066129
Tetrahydrofuran	17.7	C3 J3	0.0900	0.500	1	05/25/2023 10:58	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 10:58	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 10:58	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 10:58	WG2066129
(S) Toluene-d8	*106*			*75.0-131*		*05/25/2023 10:58*	WG2066129
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*05/25/2023 10:58*	WG2066129
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/25/2023 10:58*	WG2066129

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	26300		594	5000	1	05/24/2023 05:43	WG2065411

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2330		102	1000	1	05/26/2023 00:43	WG2066225

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	268		28.1	100	1	05/24/2023 22:44	WG2062611
Manganese	277		0.704	5.00	1	05/24/2023 22:44	WG2062611

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	345		2.91	10.0	1	05/25/2023 15:53	WG2065652
Ethane	U		4.07	13.0	1	05/25/2023 15:53	WG2065652
Ethene	U		4.26	13.0	1	05/25/2023 15:53	WG2065652

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 J3	0.548	1.00	1	05/25/2023 11:17	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 11:17	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 11:17	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 11:17	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 11:17	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 11:17	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 11:17	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 11:17	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 11:17	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 11:17	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 11:17	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 11:17	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 11:17	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 11:17	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 11:17	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 11:17	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 11:17	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 11:17	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 11:17	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 11:17	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 11:17	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 11:17	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 11:17	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 11:17	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 11:17	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 11:17	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 11:17	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 11:17	WG2066129
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/25/2023 11:17	WG2066129
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 11:17	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 11:17	WG2066129

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		0.0280	0.100	1	05/25/2023 11:17	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 11:17	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 11:17	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 11:17	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 11:17	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 11:17	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 11:17	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 11:17	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 11:17	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 11:17	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 11:17	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 11:17	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 11:17	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 11:17	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 11:17	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 11:17	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 11:17	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 11:17	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 11:17	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 11:17	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 11:17	WG2066129
Toluene	0.261		0.0500	0.200	1	05/25/2023 11:17	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 11:17	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 11:17	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 11:17	WG2066129
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 11:17	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 11:17	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 11:17	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 11:17	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 11:17	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 11:17	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 11:17	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 11:17	WG2066129
Xylenes, Total	0.364		0.191	0.260	1	05/25/2023 11:17	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 11:17	WG2066129
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/25/2023 11:17	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 11:17	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 11:17	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 11:17	WG2066129
(S) Toluene-d8	*103*			*75.0-131*		*05/25/2023 11:17*	WG2066129
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/25/2023 11:17*	WG2066129
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/25/2023 11:17*	WG2066129

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	13.1	C3 J3	0.548	1.00	1	05/25/2023 11:36	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 11:36	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 11:36	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 11:36	WG2066129
Bromodichloromethane	0.261		0.0315	0.100	1	05/25/2023 11:36	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 11:36	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 11:36	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 11:36	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 11:36	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 11:36	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 11:36	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 11:36	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 11:36	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 11:36	WG2066129
Chloroform	4.09		0.0166	0.100	1	05/25/2023 11:36	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 11:36	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 11:36	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 11:36	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 11:36	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 11:36	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 11:36	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 11:36	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 11:36	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 11:36	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 11:36	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 11:36	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 11:36	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 11:36	WG2066129
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/25/2023 11:36	WG2066129
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 11:36	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 11:36	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 11:36	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 11:36	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 11:36	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 11:36	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 11:36	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 11:36	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 11:36	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 11:36	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 11:36	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 11:36	WG2066129
2-Butanone (MEK)	3.52		0.500	1.00	1	05/25/2023 11:36	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 11:36	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 11:36	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 11:36	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 11:36	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 11:36	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 11:36	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 11:36	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 11:36	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 11:36	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 11:36	WG2066129
Toluene	0.756		0.0500	0.200	1	05/25/2023 11:36	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 11:36	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 11:36	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 11:36	WG2066129

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 11:36	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 11:36	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 11:36	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 11:36	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 11:36	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 11:36	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 11:36	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 11:36	WG2066129
Xylenes, Total	0.468		0.191	0.260	1	05/25/2023 11:36	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 11:36	WG2066129
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/25/2023 11:36	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 11:36	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 11:36	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 11:36	WG2066129
(S) Toluene-d8	*105*			*75.0-131*		*05/25/2023 11:36*	WG2066129
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/25/2023 11:36*	WG2066129
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/25/2023 11:36*	WG2066129

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	869	J	594	5000	1	05/24/2023 01:39	WG2065420

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5830		102	1000	1	05/26/2023 01:04	WG2066225

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	3430		28.1	100	1	05/24/2023 22:55	WG2062611
Manganese	1460		0.704	5.00	1	05/24/2023 22:55	WG2062611

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	12000		29.1	100	10	05/26/2023 11:03	WG2067033
Ethane	55.8		4.07	13.0	1	05/25/2023 15:57	WG2065652
Ethene	U		4.26	13.0	1	05/25/2023 15:57	WG2065652

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	7.56	C3 J3	0.548	1.00	1	05/25/2023 11:55	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 11:55	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 11:55	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 11:55	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 11:55	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 11:55	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 11:55	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 11:55	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 11:55	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 11:55	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 11:55	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 11:55	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 11:55	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 11:55	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 11:55	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 11:55	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 11:55	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 11:55	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 11:55	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 11:55	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 11:55	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 11:55	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 11:55	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 11:55	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 11:55	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 11:55	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 11:55	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 11:55	WG2066129
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/25/2023 11:55	WG2066129
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 11:55	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 11:55	WG2066129

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		0.0280	0.100	1	05/25/2023 11:55	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 11:55	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 11:55	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 11:55	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 11:55	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 11:55	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 11:55	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 11:55	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 11:55	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 11:55	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 11:55	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 11:55	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 11:55	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 11:55	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 11:55	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 11:55	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 11:55	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 11:55	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 11:55	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 11:55	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 11:55	WG2066129
Toluene	0.0860	J	0.0500	0.200	1	05/25/2023 11:55	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 11:55	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 11:55	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 11:55	WG2066129
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 11:55	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 11:55	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 11:55	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 11:55	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 11:55	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 11:55	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 11:55	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 11:55	WG2066129
Xylenes, Total	0.234	J	0.191	0.260	1	05/25/2023 11:55	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 11:55	WG2066129
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/25/2023 11:55	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 11:55	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 11:55	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 11:55	WG2066129
(S) Toluene-d8	*103*			*75.0-131*		*05/25/2023 11:55*	WG2066129
(S) 4-Bromofluorobenzene	*97.1*			*67.0-138*		*05/25/2023 11:55*	WG2066129
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/25/2023 11:55*	WG2066129

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.40	C3 J3	0.548	1.00	1	05/25/2023 08:25	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 08:25	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 08:25	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 08:25	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 08:25	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 08:25	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 08:25	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 08:25	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 08:25	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 08:25	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 08:25	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 08:25	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 08:25	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 08:25	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 08:25	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 08:25	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 08:25	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 08:25	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 08:25	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 08:25	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 08:25	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 08:25	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 08:25	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 08:25	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 08:25	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 08:25	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 08:25	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 08:25	WG2066129
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/25/2023 08:25	WG2066129
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 08:25	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 08:25	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 08:25	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 08:25	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 08:25	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 08:25	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 08:25	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 08:25	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 08:25	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 08:25	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 08:25	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 08:25	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 08:25	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 08:25	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 08:25	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 08:25	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 08:25	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 08:25	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 08:25	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 08:25	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 08:25	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 08:25	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 08:25	WG2066129
Toluene	U		0.0500	0.200	1	05/25/2023 08:25	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 08:25	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 08:25	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 08:25	WG2066129

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 08:25	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 08:25	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 08:25	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 08:25	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 08:25	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 08:25	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 08:25	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 08:25	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 08:25	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 08:25	WG2066129
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/25/2023 08:25	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 08:25	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 08:25	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 08:25	WG2066129
(S) Toluene-d8	*105*			*75.0-131*		*05/25/2023 08:25*	WG2066129
(S) 4-Bromofluorobenzene	*96.4*			*67.0-138*		*05/25/2023 08:25*	WG2066129
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/25/2023 08:25*	WG2066129

Volatile 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	C3 J3	0.548	1.00	1	05/25/2023 12:14	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 12:14	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 12:14	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 12:14	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 12:14	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 12:14	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 12:14	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 12:14	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 12:14	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 12:14	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 12:14	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 12:14	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 12:14	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 12:14	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 12:14	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 12:14	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 12:14	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 12:14	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 12:14	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 12:14	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 12:14	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 12:14	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 12:14	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 12:14	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 12:14	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 12:14	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 12:14	WG2066129
1,1-Dichloroethene	0.920		0.0200	0.100	1	05/25/2023 12:14	WG2066129
cis-1,2-Dichloroethene	22.2		0.0276	0.100	1	05/25/2023 12:14	WG2066129
trans-1,2-Dichloroethene	0.309		0.0572	0.200	1	05/25/2023 12:14	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 12:14	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 12:14	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 12:14	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 12:14	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 12:14	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 12:14	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 12:14	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 12:14	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 12:14	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 12:14	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 12:14	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 12:14	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 12:14	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 12:14	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 12:14	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 12:14	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 12:14	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 12:14	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 12:14	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 12:14	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 12:14	WG2066129
Tetrachloroethene	0.648		0.0280	0.100	1	05/25/2023 12:14	WG2066129
Toluene	0.0590	J	0.0500	0.200	1	05/25/2023 12:14	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 12:14	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 12:14	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 12:14	WG2066129

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 12:14	WG2066129
Trichloroethene	3.97		0.0160	0.0400	1	05/25/2023 12:14	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 12:14	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 12:14	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 12:14	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 12:14	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 12:14	WG2066129
Vinyl chloride	2.18		0.0273	0.100	1	05/25/2023 12:14	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 12:14	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 12:14	WG2066129
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/25/2023 12:14	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 12:14	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 12:14	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 12:14	WG2066129
(S) Toluene-d8	*107*			*75.0-131*		*05/25/2023 12:14*	WG2066129
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*		*05/25/2023 12:14*	WG2066129
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/25/2023 12:14*	WG2066129

Volatile 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 J3	0.548	1.00	1	05/25/2023 12:33	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 12:33	WG2066129
Benzene	0.0320	J	0.0160	0.0400	1	05/25/2023 12:33	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 12:33	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 12:33	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 12:33	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 12:33	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 12:33	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 12:33	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 12:33	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 12:33	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 12:33	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 12:33	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 12:33	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 12:33	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 12:33	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 12:33	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 12:33	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 12:33	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 12:33	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 12:33	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 12:33	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 12:33	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 12:33	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 12:33	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 12:33	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 12:33	WG2066129
1,1-Dichloroethene	3.32		0.0200	0.100	1	05/25/2023 12:33	WG2066129
cis-1,2-Dichloroethene	634		0.552	2.00	20	05/29/2023 14:17	WG2067921
trans-1,2-Dichloroethene	2.55		0.0572	0.200	1	05/25/2023 12:33	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 12:33	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 12:33	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 12:33	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 12:33	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 12:33	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 12:33	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 12:33	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 12:33	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 12:33	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 12:33	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 12:33	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 12:33	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 12:33	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 12:33	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 12:33	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 12:33	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 12:33	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 12:33	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 12:33	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 12:33	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 12:33	WG2066129
Tetrachloroethene	5.34		0.0280	0.100	1	05/25/2023 12:33	WG2066129
Toluene	U		0.0500	0.200	1	05/25/2023 12:33	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 12:33	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 12:33	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 12:33	WG2066129

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 12:33	WG2066129
Trichloroethene	39.0		0.0160	0.0400	1	05/25/2023 12:33	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 12:33	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 12:33	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 12:33	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 12:33	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 12:33	WG2066129
Vinyl chloride	71.6		0.0273	0.100	1	05/25/2023 12:33	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 12:33	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 12:33	WG2066129
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/25/2023 12:33	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 12:33	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 12:33	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 12:33	WG2066129
(S) Toluene-d8	*107*			*75.0-131*		*05/25/2023 12:33*	WG2066129
(S) Toluene-d8	*104*			*75.0-131*		*05/29/2023 14:17*	WG2067921
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*		*05/25/2023 12:33*	WG2066129
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/29/2023 14:17*	WG2067921
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/25/2023 12:33*	WG2066129
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*05/29/2023 14:17*	WG2067921

Volatile 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 J3	0.548	1.00	1	05/25/2023 12:52	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 12:52	WG2066129
Benzene	0.0760		0.0160	0.0400	1	05/25/2023 12:52	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 12:52	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 12:52	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 12:52	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 12:52	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 12:52	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 12:52	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 12:52	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 12:52	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 12:52	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 12:52	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 12:52	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 12:52	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 12:52	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 12:52	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 12:52	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 12:52	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 12:52	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 12:52	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 12:52	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 12:52	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 12:52	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 12:52	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 12:52	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 12:52	WG2066129
1,1-Dichloroethene	2.29		0.0200	0.100	1	05/25/2023 12:52	WG2066129
cis-1,2-Dichloroethene	283		0.276	1.00	10	05/29/2023 14:36	WG2067921
trans-1,2-Dichloroethene	2.22		0.0572	0.200	1	05/25/2023 12:52	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 12:52	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 12:52	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 12:52	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 12:52	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 12:52	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 12:52	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 12:52	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 12:52	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 12:52	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 12:52	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 12:52	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 12:52	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 12:52	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 12:52	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 12:52	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 12:52	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 12:52	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 12:52	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 12:52	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 12:52	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 12:52	WG2066129
Tetrachloroethene	459		0.280	1.00	10	05/29/2023 14:36	WG2067921
Toluene	U		0.0500	0.200	1	05/25/2023 12:52	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 12:52	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 12:52	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 12:52	WG2066129

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 12:52	WG2066129
Trichloroethene	248		0.160	0.400	10	05/29/2023 14:36	WG2067921
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 12:52	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 12:52	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 12:52	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 12:52	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 12:52	WG2066129
Vinyl chloride	0.474		0.0273	0.100	1	05/25/2023 12:52	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 12:52	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 12:52	WG2066129
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/25/2023 12:52	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 12:52	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 12:52	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 12:52	WG2066129
(S) Toluene-d8	*104*			*75.0-131*		*05/25/2023 12:52*	WG2066129
(S) Toluene-d8	*103*			*75.0-131*		*05/29/2023 14:36*	WG2067921
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/25/2023 12:52*	WG2066129
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/29/2023 14:36*	WG2067921
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/25/2023 12:52*	WG2066129
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*		*05/29/2023 14:36*	WG2067921

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.84	C3 J3	0.548	1.00	1	05/25/2023 13:12	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 13:12	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 13:12	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 13:12	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 13:12	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 13:12	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 13:12	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 13:12	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 13:12	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 13:12	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 13:12	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 13:12	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 13:12	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 13:12	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 13:12	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 13:12	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 13:12	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 13:12	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 13:12	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 13:12	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 13:12	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 13:12	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 13:12	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 13:12	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 13:12	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 13:12	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 13:12	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 13:12	WG2066129
cis-1,2-Dichloroethene	4.68		0.0276	0.100	1	05/29/2023 12:43	WG2067921
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 13:12	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 13:12	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 13:12	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 13:12	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 13:12	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 13:12	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 13:12	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 13:12	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 13:12	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 13:12	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 13:12	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 13:12	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 13:12	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 13:12	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 13:12	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 13:12	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 13:12	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 13:12	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 13:12	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 13:12	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 13:12	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 13:12	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/29/2023 12:43	WG2067921
Toluene	U		0.0500	0.200	1	05/25/2023 13:12	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 13:12	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 13:12	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 13:12	WG2066129

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 13:12	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 13:12	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 13:12	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 13:12	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 13:12	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 13:12	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 13:12	WG2066129
Vinyl chloride	0.168		0.0273	0.100	1	05/25/2023 13:12	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 13:12	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 13:12	WG2066129
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/25/2023 13:12	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 13:12	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 13:12	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 13:12	WG2066129
(S) Toluene-d8	*104*			*75.0-131*		*05/25/2023 13:12*	WG2066129
(S) Toluene-d8	*103*			*75.0-131*		*05/29/2023 12:43*	WG2067921
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*05/25/2023 13:12*	WG2066129
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/29/2023 12:43*	WG2067921
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*05/25/2023 13:12*	WG2066129
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/29/2023 12:43*	WG2067921

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.61	C3 J3	0.548	1.00	1	05/25/2023 13:32	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 13:32	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 13:32	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 13:32	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 13:32	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 13:32	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 13:32	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 13:32	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 13:32	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 13:32	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 13:32	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 13:32	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 13:32	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 13:32	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 13:32	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 13:32	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 13:32	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 13:32	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 13:32	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 13:32	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 13:32	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 13:32	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 13:32	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 13:32	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 13:32	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 13:32	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 13:32	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 13:32	WG2066129
cis-1,2-Dichloroethene	4.76		0.0276	0.100	1	05/29/2023 13:02	WG2067921
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 13:32	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 13:32	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 13:32	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 13:32	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 13:32	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 13:32	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 13:32	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 13:32	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 13:32	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 13:32	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 13:32	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 13:32	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 13:32	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 13:32	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 13:32	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 13:32	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 13:32	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 13:32	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 13:32	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 13:32	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 13:32	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 13:32	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 13:32	WG2066129
Toluene	U		0.0500	0.200	1	05/25/2023 13:32	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 13:32	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 13:32	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 13:32	WG2066129

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 13:32	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 13:32	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 13:32	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 13:32	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 13:32	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 13:32	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 13:32	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 13:32	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 13:32	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 13:32	WG2066129
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/25/2023 13:32	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 13:32	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 13:32	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 13:32	WG2066129
(S) Toluene-d8	*105*			*75.0-131*		*05/25/2023 13:32*	WG2066129
(S) Toluene-d8	*104*			*75.0-131*		*05/29/2023 13:02*	WG2067921
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*		*05/25/2023 13:32*	WG2066129
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/29/2023 13:02*	WG2067921
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/25/2023 13:32*	WG2066129
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/29/2023 13:02*	WG2067921

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	05/24/2023 01:52	WG2065420

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)	16800		102	1000	1	05/26/2023 01:26	WG2066225

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10800		28.1	100	1	05/22/2023 16:29	WG2063426
Manganese	2070		0.704	5.00	1	05/22/2023 16:29	WG2063426

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	11000		29.1	100	10	05/26/2023 11:09	WG2067033
Ethane	143		4.07	13.0	1	05/25/2023 16:01	WG2065652
Ethene	U		4.26	13.0	1	05/25/2023 16:01	WG2065652

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.88	C3 J3	0.548	1.00	1	05/25/2023 13:51	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 13:51	WG2066129
Benzene	0.0600		0.0160	0.0400	1	05/25/2023 13:51	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 13:51	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 13:51	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 13:51	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 13:51	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 13:51	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 13:51	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 13:51	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 13:51	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 13:51	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 13:51	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 13:51	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 13:51	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 13:51	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 13:51	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 13:51	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 13:51	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 13:51	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 13:51	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 13:51	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 13:51	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 13:51	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 13:51	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 13:51	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 13:51	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 13:51	WG2066129
cis-1,2-Dichloroethene	3.36		0.0276	0.100	1	05/29/2023 13:20	WG2067921
trans-1,2-Dichloroethene	2.37		0.0572	0.200	1	05/25/2023 13:51	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 13:51	WG2066129

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		0.0280	0.100	1	05/25/2023 13:51	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 13:51	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 13:51	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 13:51	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 13:51	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 13:51	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 13:51	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 13:51	WG2066129
Isopropylbenzene	0.0750	J	0.0345	0.100	1	05/25/2023 13:51	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 13:51	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 13:51	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 13:51	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 13:51	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 13:51	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 13:51	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 13:51	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 13:51	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 13:51	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 13:51	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 13:51	WG2066129
Tetrachloroethene	0.267		0.0280	0.100	1	05/25/2023 13:51	WG2066129
Toluene	0.123	J	0.0500	0.200	1	05/25/2023 13:51	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 13:51	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 13:51	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 13:51	WG2066129
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 13:51	WG2066129
Trichloroethene	1.44		0.0160	0.0400	1	05/25/2023 13:51	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 13:51	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 13:51	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 13:51	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 13:51	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 13:51	WG2066129
Vinyl chloride	1.50		0.0273	0.100	1	05/25/2023 13:51	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 13:51	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 13:51	WG2066129
Tetrahydrofuran	4.36	C3 J3	0.0900	0.500	1	05/25/2023 13:51	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 13:51	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 13:51	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 13:51	WG2066129
(S) Toluene-d8	*106*			*75.0-131*		*05/25/2023 13:51*	WG2066129
(S) Toluene-d8	*104*			*75.0-131*		*05/29/2023 13:20*	WG2067921
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*05/25/2023 13:51*	WG2066129
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/29/2023 13:20*	WG2067921
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/25/2023 13:51*	WG2066129
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/29/2023 13:20*	WG2067921

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	05/24/2023 02:04	WG2065420

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)	17600		102	1000	1	05/26/2023 01:53	WG2066225

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10700		28.1	100	1	05/22/2023 16:33	WG2063426
Manganese	2050		0.704	5.00	1	05/22/2023 16:33	WG2063426

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	15600		29.1	100	10	05/26/2023 11:14	WG2067033
Ethane	181		4.07	13.0	1	05/25/2023 16:04	WG2065652
Ethene	U		4.26	13.0	1	05/25/2023 16:04	WG2065652

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.96	C3 J3	0.548	1.00	1	05/25/2023 14:10	WG2066129
Acrylonitrile	U	J3	0.0760	0.500	1	05/25/2023 14:10	WG2066129
Benzene	0.0690		0.0160	0.0400	1	05/25/2023 14:10	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 14:10	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 14:10	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 14:10	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 14:10	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 14:10	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 14:10	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 14:10	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 14:10	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 14:10	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 14:10	WG2066129
Chloroethane	0.181	J	0.0432	0.200	1	05/25/2023 14:10	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 14:10	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 14:10	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 14:10	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 14:10	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 14:10	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 14:10	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 14:10	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 14:10	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 14:10	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 14:10	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 14:10	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 14:10	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 14:10	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 14:10	WG2066129
cis-1,2-Dichloroethene	3.08		0.0276	0.100	1	05/29/2023 13:39	WG2067921
trans-1,2-Dichloroethene	2.16		0.0572	0.200	1	05/25/2023 14:10	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 14:10	WG2066129

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		0.0280	0.100	1	05/25/2023 14:10	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 14:10	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 14:10	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 14:10	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 14:10	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 14:10	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 14:10	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 14:10	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 14:10	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 14:10	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 14:10	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 14:10	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 14:10	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 14:10	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 14:10	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 14:10	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 14:10	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 14:10	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 14:10	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 14:10	WG2066129
Tetrachloroethene	0.249		0.0280	0.100	1	05/25/2023 14:10	WG2066129
Toluene	0.122	J	0.0500	0.200	1	05/25/2023 14:10	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 14:10	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 14:10	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 14:10	WG2066129
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 14:10	WG2066129
Trichloroethene	1.13		0.0160	0.0400	1	05/25/2023 14:10	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 14:10	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 14:10	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 14:10	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 14:10	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 14:10	WG2066129
Vinyl chloride	1.28		0.0273	0.100	1	05/25/2023 14:10	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 14:10	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 14:10	WG2066129
Tetrahydrofuran	4.48	C3 J3	0.0900	0.500	1	05/25/2023 14:10	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 14:10	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 14:10	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 14:10	WG2066129
(S) Toluene-d8	*105*			*75.0-131*		*05/25/2023 14:10*	WG2066129
(S) Toluene-d8	*103*			*75.0-131*		*05/29/2023 13:39*	WG2067921
(S) 4-Bromofluorobenzene	*98.1*			*67.0-138*		*05/25/2023 14:10*	WG2066129
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/29/2023 13:39*	WG2067921
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/25/2023 14:10*	WG2066129
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*		*05/29/2023 13:39*	WG2067921

Method Blank (MB)

(MB) R3932835-1 05/23/23 12:22

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

L1617268-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1617268-19 05/24/23 02:30 • (DUP) R3932835-5 05/24/23 02:43

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	50700	50800	1	0.0437		15

L1617276-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1617276-04 05/24/23 05:43 • (DUP) R3932835-6 05/24/23 05:56

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	26300	26400	1	0.0156		15

Laboratory Control Sample (LCS)

(LCS) R3932835-2 05/23/23 12:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	38500	96.1	80.0-120	

L1617268-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617268-12 05/24/23 01:52 • (MS) R3932835-3 05/24/23 02:05 • (MSD) R3932835-4 05/24/23 02:17

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	127000	175000	175000	95.9	95.7	1	80.0-120			0.0534	15

L1617276-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1617276-04 05/24/23 05:43 • (MS) R3932835-7 05/24/23 06:09

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	50000	26300	75200	97.7	1	80.0-120	

Method Blank (MB)

(MB) R3928856-1 05/24/23 01:13

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

L1617299-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1617299-03 05/24/23 02:30 • (DUP) R3928856-3 05/24/23 02:43

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	64400	63900	1	0.673		15

L1617460-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1617460-06 05/24/23 07:23 • (DUP) R3928856-7 05/24/23 07:35

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3928856-2 05/24/23 01:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	40300	101	80.0-120	

L1617299-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1617299-03 05/24/23 02:30 • (MS) R3928856-4 05/24/23 02:55

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	50000	64400	115000	102	1	80.0-120	

L1617460-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617460-01 05/24/23 05:28 • (MS) R3928856-5 05/24/23 05:41 • (MSD) R3928856-6 05/24/23 06:19

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	1530000	1490000	1500000	0.000	0.000	100	80.0-120	V	V	0.229	15

Method Blank (MB)

(MB) R3929975-2 05/25/23 20:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	143	J	102	1000

Method Blank (MB)

(MB) R3929975-12 05/27/23 00:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	108	J	102	1000

L1616438-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1616438-01 05/25/23 23:03 • (DUP) R3929975-3 05/25/23 23:18

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	1420	1340	1	6.23		20

L1617282-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1617282-03 05/26/23 16:27 • (DUP) R3929975-8 05/26/23 17:05

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	374000	370000	10	1.02		20

Laboratory Control Sample (LCS)

(LCS) R3929975-1 05/25/23 20:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	24300	97.3	85.0-115	

Laboratory Control Sample (LCS)

(LCS) R3929975-11 05/26/23 23:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	24400	97.7	85.0-115	

L1617255-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617255-01 05/25/23 23:35 • (MS) R3929975-4 05/26/23 00:01 • (MSD) R3929975-5 05/26/23 00:26

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 %
TOC (Total Organic Carbon)	25000	3250	27500	27900	96.9	98.7	1	80.0-120			1.70	20

L1617282-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617282-02 05/27/23 00:40 • (MS) R3929975-13 05/27/23 00:59 • (MSD) R3929975-14 05/27/23 01:18

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	25000	3860	29100	29300	101	102	1	80.0-120			0.582	20

Method Blank (MB)

(MB) R3929073-1 05/24/23 18:01

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

Laboratory Control Sample (LCS)

(LCS) R3929073-2 05/24/23 18:05

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	1000	1060	106	80.0-120	
Manganese	50.0	53.5	107	80.0-120	

L1617225-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617225-01 05/24/23 18:08 • (MS) R3929073-4 05/24/23 18:15 • (MSD) R3929073-5 05/24/23 18:18

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	1000	221	1200	1230	97.6	101	1	75.0-125			2.47	20
Manganese	50.0	29.8	78.6	80.7	97.5	102	1	75.0-125			2.70	20

Method Blank (MB)

(MB) R3927880-1 05/22/23 16:09

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

Laboratory Control Sample (LCS)

(LCS) R3927880-2 05/22/23 16:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	1000	1060	106	80.0-120	
Manganese	50.0	50.8	102	80.0-120	

L1617171-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617171-16 05/22/23 16:15 • (MS) R3927880-4 05/22/23 16:22 • (MSD) R3927880-5 05/22/23 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
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	1000	U	1080	1100	108	110	1	75.0-125			1.72	20
Manganese	50.0	U	50.7	50.3	101	101	1	75.0-125			0.829	20

Method Blank (MB)

(MB) R3929527-2 05/25/23 15:50

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

L1617276-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1617276-04 05/25/23 15:53 • (DUP) R3929527-3 05/25/23 16:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	345	339	1	1.75		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1617596-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1617596-02 05/25/23 16:38 • (DUP) R3929527-4 05/25/23 17:16

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) R3929527-1 05/25/23 15:47 • (LCSD) R3929527-7 05/25/23 17:27

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	%	%	%			%	%
Methane	67.8	71.8	64.5	106	95.1	85.0-115			10.7	20
Ethane	129	114	112	88.4	86.8	85.0-115			1.77	20
Ethene	127	115	114	90.6	89.8	85.0-115			0.873	20

L1617570-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617570-03 05/25/23 16:21 • (MS) R3929527-5 05/25/23 17:19 • (MSD) R3929527-6 05/25/23 17:23

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	72.7	76.5	107	113	1	50.0-150			5.09	20
Ethane	129	U	123	128	95.3	99.2	1	50.0-150			3.98	20
Ethene	127	U	124	129	97.6	102	1	50.0-150			3.95	20

Method Blank (MB)

(MB) R3929816-2 05/26/23 10:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		2.91	10.0

L1617677-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1617677-07 05/26/23 12:42 • (DUP) R3929816-3 05/26/23 12:45

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

L1620020-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1620020-01 05/26/23 13:24 • (DUP) R3929816-4 05/26/23 13:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	13.4	13.6	1	1.48		20

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

(LCS) R3929816-1 05/26/23 10:48 • (LCSD) R3929816-9 05/26/23 14:00

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	67.1	68.0	99.0	100	85.0-115			1.33	20

L1617073-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617073-02 05/26/23 10:57 • (MS) R3929816-5 05/26/23 13:37 • (MSD) R3929816-6 05/26/23 13:44

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	%	%		%			%	%
Methane	678	24500	24900	26400	59.0	280	10	50.0-150		V	5.85	20

L1617677-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617677-01 05/26/23 11:42 • (MS) R3929816-7 05/26/23 13:53 • (MSD) R3929816-8 05/26/23 13:56

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	%	%		%			%	%
Methane	67.8	U	58.7	49.9	86.6	73.6	1	50.0-150			16.2	20

Method Blank (MB)

(MB) R3930186-3 05/25/23 08:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		0.548	1.00
Acrylonitrile	U		0.0760	0.500
Benzene	U		0.0160	0.0400
Bromobenzene	U		0.0420	0.500
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

Method Blank (MB)

(MB) R3930186-3 05/25/23 08:06

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	*96.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

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

(LCS) R3930186-1 05/25/23 06:31 • (LCSD) R3930186-2 05/25/23 06:50

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	3.78	20.1	15.1	80.4	10.0-160		J3	137	31
Acrylonitrile	25.0	29.6	20.6	118	82.4	45.0-153		J3	35.9	22
Benzene	5.00	4.64	4.16	92.8	83.2	70.0-123			10.9	20
Bromobenzene	5.00	4.27	4.30	85.4	86.0	73.0-121			0.700	20
Bromodichloromethane	5.00	4.72	4.51	94.4	90.2	73.0-121			4.55	20
Bromoform	5.00	4.25	4.07	85.0	81.4	64.0-132			4.33	20
Bromomethane	5.00	5.08	4.32	102	86.4	56.0-147			16.2	20
n-Butylbenzene	5.00	3.89	3.53	77.8	70.6	68.0-135			9.70	20
sec-Butylbenzene	5.00	4.12	3.93	82.4	78.6	74.0-130			4.72	20
tert-Butylbenzene	5.00	4.06	3.97	81.2	79.4	75.0-127			2.24	20
Carbon tetrachloride	5.00	4.68	4.31	93.6	86.2	66.0-128			8.23	20
Chlorobenzene	5.00	4.75	4.34	95.0	86.8	76.0-128			9.02	20
Chlorodibromomethane	5.00	4.33	4.00	86.6	80.0	74.0-127			7.92	20
Chloroethane	5.00	4.70	4.60	94.0	92.0	61.0-134			2.15	20
Chloroform	5.00	4.94	4.51	98.8	90.2	72.0-123			9.10	20
Chloromethane	5.00	5.50	4.69	110	93.8	51.0-138			15.9	20
2-Chlorotoluene	5.00	4.22	3.95	84.4	79.0	75.0-124			6.61	20
4-Chlorotoluene	5.00	3.99	3.94	79.8	78.8	75.0-124			1.26	20
1,2-Dibromo-3-Chloropropane	5.00	3.86	3.32	77.2	66.4	59.0-130			15.0	20
1,2-Dibromoethane	5.00	4.54	4.38	90.8	87.6	74.0-128			3.59	20
Dibromomethane	5.00	5.15	4.70	103	94.0	75.0-122			9.14	20
1,2-Dichlorobenzene	5.00	4.60	4.17	92.0	83.4	76.0-124			9.81	20
1,3-Dichlorobenzene	5.00	4.51	4.26	90.2	85.2	76.0-125			5.70	20
1,4-Dichlorobenzene	5.00	4.41	4.32	88.2	86.4	77.0-121			2.06	20
Dichlorodifluoromethane	5.00	5.94	5.07	119	101	43.0-156			15.8	20
1,1-Dichloroethane	5.00	4.90	4.43	98.0	88.6	70.0-127			10.1	20
1,2-Dichloroethane	5.00	4.72	4.61	94.4	92.2	65.0-131			2.36	20
1,1-Dichloroethene	5.00	5.04	4.43	101	88.6	65.0-131			12.9	20
cis-1,2-Dichloroethene	5.00	4.89	4.45	97.8	89.0	73.0-125			9.42	20
trans-1,2-Dichloroethene	5.00	4.59	4.34	91.8	86.8	71.0-125			5.60	20
1,2-Dichloropropane	5.00	4.81	4.15	96.2	83.0	74.0-125			14.7	20
1,1-Dichloropropene	5.00	5.04	4.35	101	87.0	73.0-125			14.7	20
1,3-Dichloropropane	5.00	4.55	4.23	91.0	84.6	80.0-125			7.29	20
cis-1,3-Dichloropropene	5.00	4.70	4.28	94.0	85.6	76.0-127			9.35	20
trans-1,3-Dichloropropene	5.00	4.27	4.00	85.4	80.0	73.0-127			6.53	20
2,2-Dichloropropane	5.00	3.81	3.57	76.2	71.4	59.0-135			6.50	20
Di-isopropyl ether	5.00	5.11	4.60	102	92.0	60.0-136			10.5	20
Ethylbenzene	5.00	4.82	4.43	96.4	88.6	74.0-126			8.43	20
Hexachloro-1,3-butadiene	5.00	4.44	3.66	88.8	73.2	57.0-150			19.3	20
Isopropylbenzene	5.00	4.49	4.02	89.8	80.4	72.0-127			11.0	20

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

(LCS) R3930186-1 05/25/23 06:31 • (LCSD) R3930186-2 05/25/23 06:50

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	4.23	4.02	84.6	80.4	72.0-133			5.09	20
2-Butanone (MEK)	25.0	24.6	23.3	98.4	93.2	30.0-160			5.43	24
Methylene Chloride	5.00	5.08	4.77	102	95.4	68.0-123			6.29	20
4-Methyl-2-pentanone (MIBK)	25.0	25.5	23.5	102	94.0	56.0-143			8.16	20
Methyl tert-butyl ether	5.00	4.54	4.04	90.8	80.8	66.0-132			11.7	20
Naphthalene	5.00	3.37	2.90	67.4	58.0	59.0-130		J4	15.0	20
n-Propylbenzene	5.00	3.99	3.83	79.8	76.6	74.0-126			4.09	20
Styrene	5.00	4.39	4.05	87.8	81.0	72.0-127			8.06	20
1,1,1,2-Tetrachloroethane	5.00	4.37	4.08	87.4	81.6	74.0-129			6.86	20
1,1,2,2-Tetrachloroethane	5.00	3.98	3.72	79.6	74.4	68.0-128			6.75	20
1,1,2-Trichlorotrifluoroethane	5.00	4.75	4.82	95.0	96.4	61.0-139			1.46	20
Tetrachloroethene	5.00	4.82	4.54	96.4	90.8	70.0-136			5.98	20
Toluene	5.00	4.61	4.19	92.2	83.8	75.0-121			9.55	20
1,2,3-Trichlorobenzene	5.00	3.50	3.13	70.0	62.6	59.0-139			11.2	20
1,2,4-Trichlorobenzene	5.00	4.14	3.45	82.8	69.0	62.0-137			18.2	20
1,1,1-Trichloroethane	5.00	4.92	4.44	98.4	88.8	69.0-126			10.3	20
1,1,2-Trichloroethane	5.00	4.50	4.28	90.0	85.6	78.0-123			5.01	20
Trichloroethene	5.00	5.24	4.82	105	96.4	76.0-126			8.35	20
Trichlorofluoromethane	5.00	5.16	4.73	103	94.6	61.0-142			8.70	20
1,2,3-Trichloropropane	5.00	4.11	4.22	82.2	84.4	67.0-129			2.64	20
1,2,4-Trimethylbenzene	5.00	4.03	3.88	80.6	77.6	70.0-126			3.79	20
1,2,3-Trimethylbenzene	5.00	4.12	3.93	82.4	78.6	74.0-124			4.72	20
1,3,5-Trimethylbenzene	5.00	4.08	3.76	81.6	75.2	73.0-127			8.16	20
Vinyl chloride	5.00	5.55	4.73	111	94.6	63.0-134			16.0	20
Xylenes, Total	15.0	13.8	12.5	92.0	83.3	72.0-127			9.89	20
Ethyl Ether	5.00	4.56	4.54	91.2	90.8	64.0-137			0.440	20
Tetrahydrofuran	5.00	2.71	5.03	54.2	101	37.0-146		J3	59.9	24
Iodomethane	25.0	24.2	22.3	96.8	89.2	74.0-134			8.17	20
Allyl chloride	25.0	23.4	21.0	93.6	84.0	70.0-131			10.8	20
Trans-1,4-Dichloro-2-butene	5.00	3.69	3.55	73.8	71.0	45.0-143			3.87	20
(S) Toluene-d8				*104*	*103*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*104*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*105*	*107*	*70.0-130*				

Method Blank (MB)

(MB) R3930667-2 05/29/23 10:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL 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	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*107*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3930667-1 05/29/23 09:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,2-Dichloroethene	5.00	4.16	83.2	73.0-125	
Tetrachloroethene	5.00	5.35	107	70.0-136	
Trichloroethene	5.00	5.20	104	76.0-126	
Vinyl chloride	5.00	3.67	73.4	63.0-134	
(S) Toluene-d8			*106*	*75.0-131*	
(S) 4-Bromofluorobenzene			*107*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*100*	*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
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.
J4	The associated batch QC was outside the established quality control range for accuracy.
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	LAO000356
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

Chain of Custody Page 1 of ___

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

Report to: Brian O'Neal/Bill Haldeman

Email To: Rachel.McLaughlin@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 # 443022-1413001.10.701.02

Lab Project # PESENVSWA-ALP

SDG # L1617276

G115

Collected by (print):

Site/Facility ID #

P.O. # 443022-1413001.10.701.02 ~~443018-1413001.05.601~~

Acctnum: PESENVSWA
Template: T229085
Prelogin: P994911
PM: 546 - Jared Starkey
PB:
Shipped Via:

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

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FEG 250mlHDPE-HNO3 (<2)	MNG 250mlHDPE-HNO3 (<2)	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl					Remarks	Sample # (lab only)
MW-161-051523	G	GW	—	5/15/23	1010	3						X						-01
MW-160-051523	↓	GW	↓	↓	1050	3						X						-02
MW104-051523	↓	GW	↓	↓	1135	3						X						-03
MW-145R-051523	↓	GW	↓	↓	1250	9	X	X	X	X	X	X						-04
MW-326R-051523	↓	GW	↓	↓	1416	3						X						-05
MW-144R-051523	↓	GW	↓	↓	1510	9	X	X	X	X	X	X						-06
TB-051623	—	GW	↓	5/16/23	—	1						X						-07
MW-989-051523	G	GW	↓	5/15/23	1200	3						X						-08
		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 ✓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:	Time:	Received by: (Signature)	Trip Blank Received:	
[signature]	5/15/23	1600 ~~1400~~		(Yes) / No (HCL) / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp ~~AS17~~ °C .2+0=.2	Bottles Received: 34
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) C.L. Gallen (18)	Date: 5/17/23	Time: 9:00

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

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Rachel.McLaughlin@nv5.com;brian.oneal@nv5.

Project Description:
American Linen

City/State Collected:

Please Circle: PT MT CT ET

Phone: **206-529-3980**

Client Project #
443022-1413001.10.701.02

Lab Project #
PESENVSWA-ALP

Collected by (print):

Site/Facility ID #

P.O. #
~~603.02~~
443018-1413001.05.~~601~~ 701.02

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

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl						
						2	2										
~~MW107-051523~~	~~Grab~~	~~GW~~	~~—~~	~~5/15/23~~	~~1625~~						X						~~-10~~ -09
MW-314-051523	Grab	GW	—	5/15/23	946						X						-09 -10
MW110-051523	↓	GW		↓	1026						X						-10 -11
MW-313-051523		GW			1149						X						-11 -12
MW-986-051523		GW			1155						X						-12 -13
		GW															
		GW															
		GW															
		GW															
		GW															

Chain of Custody Page ___ of ___

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 # L1617276

Table #

Acctnum: **PESENVSWA**
Template: **T229085**
Prelogin: **P994911**
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: 5/15/23	Time: ~~1600~~ 1645	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: ~~NSAR~~ °C .2+0.2	Bottles Received: 24	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) C.H.Gallen (12)	Date: 5/17/23	Time: 9:00	Hold: Condition: NCF / OK

5/17-NCF-L1617276 PESENVSWA TD

R5

Time estimate: oh **Time spent:** oh

Members

Troy Dunlap (responsible) JS Jared Starkey

- [ ] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [x] 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

Troy Dunlap *17 May 2023 5:46 PM*

Received MW-991-1-051523 and MW-102-051523 not listed on the COC.

Jared Starkey *17 May 2023 6:15 PM*

Can you double check those sample IDs- Client not sure what MW---1-051523 could be. What are the sample times for both samples?

Troy Dunlap *18 May 2023 8:27 AM*

ID corrected.
MW-991 collected 5/15 at 1111.
MW-102 collected 5/15 at 1625.

Jared Starkey *18 May 2023 10:30 AM*

MW-102 should be MW107-051523 (no dash between MW and 107).

The other should be MW-991-051523 with a dash.

Please add both to the COC and analyze for VOCs, TOC, total Iron and Manganese, sulfate, and dissolved gases.

Troy Dunlap *19 May 2023 2:18 PM*

Done.

ANALYTICAL REPORT

May 31, 2023

PES Environmental, Inc.- WA

Sample Delivery Group:	L1617549
Samples Received:	05/18/2023
Project Number:	443022
Description:	American Linen-443018-1413001.05.003.04

Report To:

Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager

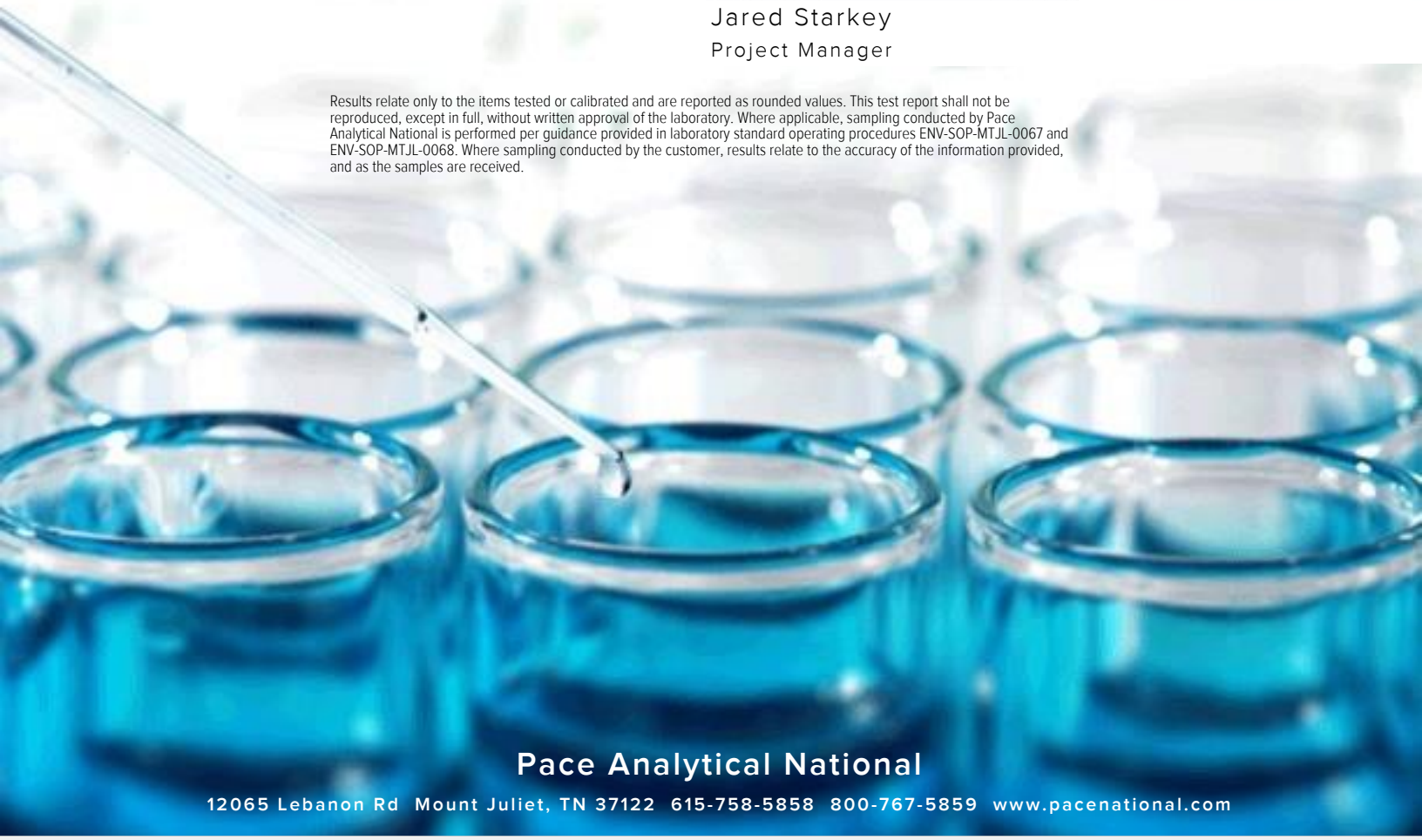


TABLE OF CONTENTS

HMW-9IB-051723 L1617549-01 GW

Collected by	Collected date/time	Received date/time
	05/17/23 11:57	05/18/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2062360	1	05/18/23 16:39	05/18/23 16:39	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2066225	5	05/27/23 01:39	05/27/23 01:39	AW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065652	1	05/25/23 16:08	05/25/23 16:08	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2067033	10	05/26/23 11:20	05/26/23 11:20	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066865	10	05/26/23 00:44	05/26/23 00:44	DWR	Mt. Juliet, TN

MW-348-051723 L1617549-02 GW

Collected by	Collected date/time	Received date/time
	05/17/23 13:20	05/18/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2062360	1	05/18/23 16:53	05/18/23 16:53	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2066226	1	05/28/23 23:47	05/28/23 23:47	AW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065652	1	05/25/23 17:11	05/25/23 17:11	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2067033	10	05/26/23 11:32	05/26/23 11:32	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066865	10	05/26/23 01:03	05/26/23 01:03	DWR	Mt. Juliet, TN

MW-350-051723 L1617549-03 GW

Collected by	Collected date/time	Received date/time
	05/17/23 14:48	05/18/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2062713	1	05/18/23 20:58	05/18/23 20:58	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2066226	1	05/29/23 00:03	05/29/23 00:03	AW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2065652	1	05/25/23 16:12	05/25/23 16:12	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067908	1	05/29/23 11:28	05/29/23 11:28	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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	44700		379	1000	1	05/18/2023 16:39	WG2062360
Nitrate	U		48.0	100	1	05/18/2023 16:39	WG2062360
Sulfate	665	J	594	5000	1	05/18/2023 16:39	WG2062360

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)	168000		510	5000	5	05/27/2023 01:39	WG2066225

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	37200		2.87	6.78	10	05/26/2023 11:20	WG2067033
Ethane	2.52		0.296	1.29	1	05/25/2023 16:08	WG2065652
Ethene	209		0.422	1.27	1	05/25/2023 16:08	WG2065652

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	34.4		5.48	10.0	10	05/26/2023 00:44	WG2066865
Acrylonitrile	U		0.760	5.00	10	05/26/2023 00:44	WG2066865
Benzene	U		0.160	0.400	10	05/26/2023 00:44	WG2066865
Bromobenzene	U		0.420	5.00	10	05/26/2023 00:44	WG2066865
Bromodichloromethane	U		0.315	1.00	10	05/26/2023 00:44	WG2066865
Bromoform	U	C3	2.39	10.0	10	05/26/2023 00:44	WG2066865
Bromomethane	U		1.48	5.00	10	05/26/2023 00:44	WG2066865
n-Butylbenzene	U	C3	1.53	5.00	10	05/26/2023 00:44	WG2066865
sec-Butylbenzene	U		1.01	5.00	10	05/26/2023 00:44	WG2066865
tert-Butylbenzene	U		0.620	2.00	10	05/26/2023 00:44	WG2066865
Carbon tetrachloride	U		0.432	2.00	10	05/26/2023 00:44	WG2066865
Chlorobenzene	U		0.229	1.00	10	05/26/2023 00:44	WG2066865
Chlorodibromomethane	U		0.180	1.00	10	05/26/2023 00:44	WG2066865
Chloroethane	U		0.432	2.00	10	05/26/2023 00:44	WG2066865
Chloroform	U		0.166	1.00	10	05/26/2023 00:44	WG2066865
Chloromethane	U		0.556	5.00	10	05/26/2023 00:44	WG2066865
2-Chlorotoluene	U		0.368	1.00	10	05/26/2023 00:44	WG2066865
4-Chlorotoluene	U		0.452	2.00	10	05/26/2023 00:44	WG2066865
1,2-Dibromo-3-Chloropropane	U	C3	2.04	10.0	10	05/26/2023 00:44	WG2066865
1,2-Dibromoethane	U		0.210	1.00	10	05/26/2023 00:44	WG2066865
Dibromomethane	U		0.400	2.00	10	05/26/2023 00:44	WG2066865
1,2-Dichlorobenzene	U		0.580	2.00	10	05/26/2023 00:44	WG2066865
1,3-Dichlorobenzene	U		0.680	2.00	10	05/26/2023 00:44	WG2066865
1,4-Dichlorobenzene	U		0.788	2.00	10	05/26/2023 00:44	WG2066865
Dichlorodifluoromethane	U		0.327	1.00	10	05/26/2023 00:44	WG2066865
1,1-Dichloroethane	U		0.230	1.00	10	05/26/2023 00:44	WG2066865
1,2-Dichloroethane	U		0.190	1.00	10	05/26/2023 00:44	WG2066865
1,1-Dichloroethene	U		0.200	1.00	10	05/26/2023 00:44	WG2066865
cis-1,2-Dichloroethene	17.6		0.276	1.00	10	05/26/2023 00:44	WG2066865
trans-1,2-Dichloroethene	U		0.572	2.00	10	05/26/2023 00:44	WG2066865
1,2-Dichloropropane	U		0.508	2.00	10	05/26/2023 00:44	WG2066865
1,1-Dichloropropene	U		0.280	1.00	10	05/26/2023 00:44	WG2066865
1,3-Dichloropropane	U		0.700	2.00	10	05/26/2023 00:44	WG2066865
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/26/2023 00:44	WG2066865
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/26/2023 00:44	WG2066865

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		0.317	1.00	10	05/26/2023 00:44	WG2066865
Di-isopropyl ether	U		0.140	0.400	10	05/26/2023 00:44	WG2066865
Ethylbenzene	U		0.212	1.00	10	05/26/2023 00:44	WG2066865
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/26/2023 00:44	WG2066865
Isopropylbenzene	U	C3	0.345	1.00	10	05/26/2023 00:44	WG2066865
p-Isopropyltoluene	U		0.932	2.00	10	05/26/2023 00:44	WG2066865
2-Butanone (MEK)	33.3		5.00	10.0	10	05/26/2023 00:44	WG2066865
Methylene Chloride	U		2.65	10.0	10	05/26/2023 00:44	WG2066865
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/26/2023 00:44	WG2066865
Methyl tert-butyl ether	U		0.118	0.400	10	05/26/2023 00:44	WG2066865
Naphthalene	U	C3	1.24	5.00	10	05/26/2023 00:44	WG2066865
n-Propylbenzene	U	C3	0.472	2.00	10	05/26/2023 00:44	WG2066865
Styrene	U	C3	1.09	5.00	10	05/26/2023 00:44	WG2066865
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/26/2023 00:44	WG2066865
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/26/2023 00:44	WG2066865
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/26/2023 00:44	WG2066865
Tetrachloroethene	U		0.280	1.00	10	05/26/2023 00:44	WG2066865
Toluene	U		0.500	2.00	10	05/26/2023 00:44	WG2066865
1,2,3-Trichlorobenzene	U	C3	0.250	5.00	10	05/26/2023 00:44	WG2066865
1,2,4-Trichlorobenzene	U	C3	1.93	5.00	10	05/26/2023 00:44	WG2066865
1,1,1-Trichloroethane	U		0.110	1.00	10	05/26/2023 00:44	WG2066865
1,1,2-Trichloroethane	U		0.353	1.00	10	05/26/2023 00:44	WG2066865
Trichloroethene	U		0.160	0.400	10	05/26/2023 00:44	WG2066865
Trichlorofluoromethane	U		0.200	1.00	10	05/26/2023 00:44	WG2066865
1,2,3-Trichloropropane	U		2.04	5.00	10	05/26/2023 00:44	WG2066865
1,2,4-Trimethylbenzene	0.840	C3 J	0.464	2.00	10	05/26/2023 00:44	WG2066865
1,2,3-Trimethylbenzene	U		0.460	2.00	10	05/26/2023 00:44	WG2066865
1,3,5-Trimethylbenzene	U	C3	0.432	2.00	10	05/26/2023 00:44	WG2066865
Vinyl chloride	43.6		0.273	1.00	10	05/26/2023 00:44	WG2066865
Xylenes, Total	U		1.91	2.60	10	05/26/2023 00:44	WG2066865
Ethyl Ether	U		0.170	1.00	10	05/26/2023 00:44	WG2066865
Tetrahydrofuran	U	C3 J3	0.900	5.00	10	05/26/2023 00:44	WG2066865
Iodomethane	U		2.42	5.00	10	05/26/2023 00:44	WG2066865
Allyl chloride	U		5.80	10.0	10	05/26/2023 00:44	WG2066865
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/26/2023 00:44	WG2066865
(S) Toluene-d8	*104*			*75.0-131*		*05/26/2023 00:44*	WG2066865
(S) 4-Bromofluorobenzene	*95.8*			*67.0-138*		*05/26/2023 00:44*	WG2066865
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/26/2023 00:44*	WG2066865

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	38000		379	1000	1	05/18/2023 16:53	WG2062360
Nitrate	U		48.0	100	1	05/18/2023 16:53	WG2062360
Sulfate	26000		594	5000	1	05/18/2023 16:53	WG2062360

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)	3010		102	1000	1	05/28/2023 23:47	WG2066226

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	22000		2.87	6.78	10	05/26/2023 11:32	WG2067033
Ethane	3.59		0.296	1.29	1	05/25/2023 17:11	WG2065652
Ethene	32.1		0.422	1.27	1	05/25/2023 17:11	WG2065652

Volatile 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	05/26/2023 01:03	WG2066865
Acrylonitrile	U		0.760	5.00	10	05/26/2023 01:03	WG2066865
Benzene	U		0.160	0.400	10	05/26/2023 01:03	WG2066865
Bromobenzene	U		0.420	5.00	10	05/26/2023 01:03	WG2066865
Bromodichloromethane	U		0.315	1.00	10	05/26/2023 01:03	WG2066865
Bromoform	U	C3	2.39	10.0	10	05/26/2023 01:03	WG2066865
Bromomethane	U		1.48	5.00	10	05/26/2023 01:03	WG2066865
n-Butylbenzene	U	C3	1.53	5.00	10	05/26/2023 01:03	WG2066865
sec-Butylbenzene	U		1.01	5.00	10	05/26/2023 01:03	WG2066865
tert-Butylbenzene	U		0.620	2.00	10	05/26/2023 01:03	WG2066865
Carbon tetrachloride	U		0.432	2.00	10	05/26/2023 01:03	WG2066865
Chlorobenzene	U		0.229	1.00	10	05/26/2023 01:03	WG2066865
Chlorodibromomethane	U		0.180	1.00	10	05/26/2023 01:03	WG2066865
Chloroethane	U		0.432	2.00	10	05/26/2023 01:03	WG2066865
Chloroform	U		0.166	1.00	10	05/26/2023 01:03	WG2066865
Chloromethane	U		0.556	5.00	10	05/26/2023 01:03	WG2066865
2-Chlorotoluene	U		0.368	1.00	10	05/26/2023 01:03	WG2066865
4-Chlorotoluene	U		0.452	2.00	10	05/26/2023 01:03	WG2066865
1,2-Dibromo-3-Chloropropane	U	C3	2.04	10.0	10	05/26/2023 01:03	WG2066865
1,2-Dibromoethane	U		0.210	1.00	10	05/26/2023 01:03	WG2066865
Dibromomethane	U		0.400	2.00	10	05/26/2023 01:03	WG2066865
1,2-Dichlorobenzene	U		0.580	2.00	10	05/26/2023 01:03	WG2066865
1,3-Dichlorobenzene	U		0.680	2.00	10	05/26/2023 01:03	WG2066865
1,4-Dichlorobenzene	U		0.788	2.00	10	05/26/2023 01:03	WG2066865
Dichlorodifluoromethane	U		0.327	1.00	10	05/26/2023 01:03	WG2066865
1,1-Dichloroethane	U		0.230	1.00	10	05/26/2023 01:03	WG2066865
1,2-Dichloroethane	U		0.190	1.00	10	05/26/2023 01:03	WG2066865
1,1-Dichloroethene	U		0.200	1.00	10	05/26/2023 01:03	WG2066865
cis-1,2-Dichloroethene	95.6		0.276	1.00	10	05/26/2023 01:03	WG2066865
trans-1,2-Dichloroethene	U		0.572	2.00	10	05/26/2023 01:03	WG2066865
1,2-Dichloropropane	U		0.508	2.00	10	05/26/2023 01:03	WG2066865
1,1-Dichloropropene	U		0.280	1.00	10	05/26/2023 01:03	WG2066865
1,3-Dichloropropane	U		0.700	2.00	10	05/26/2023 01:03	WG2066865
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/26/2023 01:03	WG2066865
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/26/2023 01:03	WG2066865

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		0.317	1.00	10	05/26/2023 01:03	WG2066865
Di-isopropyl ether	U		0.140	0.400	10	05/26/2023 01:03	WG2066865
Ethylbenzene	U		0.212	1.00	10	05/26/2023 01:03	WG2066865
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/26/2023 01:03	WG2066865
Isopropylbenzene	U	C3	0.345	1.00	10	05/26/2023 01:03	WG2066865
p-Isopropyltoluene	U		0.932	2.00	10	05/26/2023 01:03	WG2066865
2-Butanone (MEK)	U		5.00	10.0	10	05/26/2023 01:03	WG2066865
Methylene Chloride	U		2.65	10.0	10	05/26/2023 01:03	WG2066865
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/26/2023 01:03	WG2066865
Methyl tert-butyl ether	U		0.118	0.400	10	05/26/2023 01:03	WG2066865
Naphthalene	U	C3	1.24	5.00	10	05/26/2023 01:03	WG2066865
n-Propylbenzene	U	C3	0.472	2.00	10	05/26/2023 01:03	WG2066865
Styrene	U	C3	1.09	5.00	10	05/26/2023 01:03	WG2066865
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/26/2023 01:03	WG2066865
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/26/2023 01:03	WG2066865
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/26/2023 01:03	WG2066865
Tetrachloroethene	U		0.280	1.00	10	05/26/2023 01:03	WG2066865
Toluene	0.680	J	0.500	2.00	10	05/26/2023 01:03	WG2066865
1,2,3-Trichlorobenzene	U	C3	0.250	5.00	10	05/26/2023 01:03	WG2066865
1,2,4-Trichlorobenzene	U	C3	1.93	5.00	10	05/26/2023 01:03	WG2066865
1,1,1-Trichloroethane	U		0.110	1.00	10	05/26/2023 01:03	WG2066865
1,1,2-Trichloroethane	U		0.353	1.00	10	05/26/2023 01:03	WG2066865
Trichloroethene	U		0.160	0.400	10	05/26/2023 01:03	WG2066865
Trichlorofluoromethane	U		0.200	1.00	10	05/26/2023 01:03	WG2066865
1,2,3-Trichloropropane	U		2.04	5.00	10	05/26/2023 01:03	WG2066865
1,2,4-Trimethylbenzene	U	C3	0.464	2.00	10	05/26/2023 01:03	WG2066865
1,2,3-Trimethylbenzene	U		0.460	2.00	10	05/26/2023 01:03	WG2066865
1,3,5-Trimethylbenzene	U	C3	0.432	2.00	10	05/26/2023 01:03	WG2066865
Vinyl chloride	111		0.273	1.00	10	05/26/2023 01:03	WG2066865
Xylenes, Total	U		1.91	2.60	10	05/26/2023 01:03	WG2066865
Ethyl Ether	U		0.170	1.00	10	05/26/2023 01:03	WG2066865
Tetrahydrofuran	15.7	C3 J3	0.900	5.00	10	05/26/2023 01:03	WG2066865
Iodomethane	U		2.42	5.00	10	05/26/2023 01:03	WG2066865
Allyl chloride	U		5.80	10.0	10	05/26/2023 01:03	WG2066865
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/26/2023 01:03	WG2066865
(S) Toluene-d8	*106*			*75.0-131*		*05/26/2023 01:03*	WG2066865
(S) 4-Bromofluorobenzene	*95.6*			*67.0-138*		*05/26/2023 01:03*	WG2066865
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*05/26/2023 01:03*	WG2066865

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	15000		379	1000	1	05/18/2023 20:58	WG2062713
Nitrate	U		48.0	100	1	05/18/2023 20:58	WG2062713
Sulfate	39500		594	5000	1	05/18/2023 20:58	WG2062713

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)	1330		102	1000	1	05/29/2023 00:03	WG2066226

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2160		0.287	0.678	1	05/25/2023 16:12	WG2065652
Ethane	4.17		0.296	1.29	1	05/25/2023 16:12	WG2065652
Ethene	11.5		0.422	1.27	1	05/25/2023 16:12	WG2065652

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.63	B C5	0.548	1.00	1	05/29/2023 11:28	WG2067908
Acrylonitrile	U		0.0760	0.500	1	05/29/2023 11:28	WG2067908
Benzene	0.0220	J	0.0160	0.0400	1	05/29/2023 11:28	WG2067908
Bromobenzene	U		0.0420	0.500	1	05/29/2023 11:28	WG2067908
Bromodichloromethane	U		0.0315	0.100	1	05/29/2023 11:28	WG2067908
Bromoform	U		0.239	1.00	1	05/29/2023 11:28	WG2067908
Bromomethane	U	C3	0.148	0.500	1	05/29/2023 11:28	WG2067908
n-Butylbenzene	U		0.153	0.500	1	05/29/2023 11:28	WG2067908
sec-Butylbenzene	U		0.101	0.500	1	05/29/2023 11:28	WG2067908
tert-Butylbenzene	U		0.0620	0.200	1	05/29/2023 11:28	WG2067908
Carbon tetrachloride	U		0.0432	0.200	1	05/29/2023 11:28	WG2067908
Chlorobenzene	U		0.0229	0.100	1	05/29/2023 11:28	WG2067908
Chlorodibromomethane	U		0.0180	0.100	1	05/29/2023 11:28	WG2067908
Chloroethane	U		0.0432	0.200	1	05/29/2023 11:28	WG2067908
Chloroform	U		0.0166	0.100	1	05/29/2023 11:28	WG2067908
Chloromethane	U		0.0556	0.500	1	05/29/2023 11:28	WG2067908
2-Chlorotoluene	U		0.0368	0.100	1	05/29/2023 11:28	WG2067908
4-Chlorotoluene	U		0.0452	0.200	1	05/29/2023 11:28	WG2067908
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/29/2023 11:28	WG2067908
1,2-Dibromoethane	U		0.0210	0.100	1	05/29/2023 11:28	WG2067908
Dibromomethane	U		0.0400	0.200	1	05/29/2023 11:28	WG2067908
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/29/2023 11:28	WG2067908
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/29/2023 11:28	WG2067908
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/29/2023 11:28	WG2067908
Dichlorodifluoromethane	U	C3	0.0327	0.100	1	05/29/2023 11:28	WG2067908
1,1-Dichloroethane	U		0.0230	0.100	1	05/29/2023 11:28	WG2067908
1,2-Dichloroethane	U		0.0190	0.100	1	05/29/2023 11:28	WG2067908
1,1-Dichloroethene	U		0.0200	0.100	1	05/29/2023 11:28	WG2067908
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/29/2023 11:28	WG2067908
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/29/2023 11:28	WG2067908
1,2-Dichloropropane	U		0.0508	0.200	1	05/29/2023 11:28	WG2067908
1,1-Dichloropropene	U		0.0280	0.100	1	05/29/2023 11:28	WG2067908
1,3-Dichloropropane	U		0.0700	0.200	1	05/29/2023 11:28	WG2067908
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/29/2023 11:28	WG2067908
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/29/2023 11:28	WG2067908

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	05/29/2023 11:28	WG2067908
Di-isopropyl ether	U	J4	0.0140	0.0400	1	05/29/2023 11:28	WG2067908
Ethylbenzene	0.0520	J	0.0212	0.100	1	05/29/2023 11:28	WG2067908
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	05/29/2023 11:28	WG2067908
Isopropylbenzene	U		0.0345	0.100	1	05/29/2023 11:28	WG2067908
p-Isopropyltoluene	U		0.0932	0.200	1	05/29/2023 11:28	WG2067908
2-Butanone (MEK)	U		0.500	1.00	1	05/29/2023 11:28	WG2067908
Methylene Chloride	U		0.265	1.00	1	05/29/2023 11:28	WG2067908
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/29/2023 11:28	WG2067908
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/29/2023 11:28	WG2067908
Naphthalene	U	C3	0.124	0.500	1	05/29/2023 11:28	WG2067908
n-Propylbenzene	U		0.0472	0.200	1	05/29/2023 11:28	WG2067908
Styrene	U		0.109	0.500	1	05/29/2023 11:28	WG2067908
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/29/2023 11:28	WG2067908
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/29/2023 11:28	WG2067908
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/29/2023 11:28	WG2067908
Tetrachloroethene	U		0.0280	0.100	1	05/29/2023 11:28	WG2067908
Toluene	0.248		0.0500	0.200	1	05/29/2023 11:28	WG2067908
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/29/2023 11:28	WG2067908
1,2,4-Trichlorobenzene	U	C3	0.193	0.500	1	05/29/2023 11:28	WG2067908
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/29/2023 11:28	WG2067908
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/29/2023 11:28	WG2067908
Trichloroethene	U		0.0160	0.0400	1	05/29/2023 11:28	WG2067908
Trichlorofluoromethane	U		0.0200	0.100	1	05/29/2023 11:28	WG2067908
1,2,3-Trichloropropane	U		0.204	0.500	1	05/29/2023 11:28	WG2067908
1,2,4-Trimethylbenzene	0.125	J	0.0464	0.200	1	05/29/2023 11:28	WG2067908
1,2,3-Trimethylbenzene	0.0660	J	0.0460	0.200	1	05/29/2023 11:28	WG2067908
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/29/2023 11:28	WG2067908
Vinyl chloride	1.61		0.0273	0.100	1	05/29/2023 11:28	WG2067908
Xylenes, Total	0.315		0.191	0.260	1	05/29/2023 11:28	WG2067908
Ethyl Ether	U		0.0170	0.100	1	05/29/2023 11:28	WG2067908
Tetrahydrofuran	0.610	C5 J4	0.0900	0.500	1	05/29/2023 11:28	WG2067908
Iodomethane	U		0.242	0.500	1	05/29/2023 11:28	WG2067908
Allyl chloride	U		0.580	1.00	1	05/29/2023 11:28	WG2067908
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/29/2023 11:28	WG2067908
(S) Toluene-d8	*104*			*75.0-131*		*05/29/2023 11:28*	WG2067908
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/29/2023 11:28*	WG2067908
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*05/29/2023 11:28*	WG2067908

Method Blank (MB)

(MB) R3928356-1 05/18/23 10:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	697	J	379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1617549-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1617549-02 05/18/23 16:53 • (DUP) R3928356-3 05/18/23 17:07

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	38000	37300	1	1.96		15
Nitrate	U	U	1	0.000		15
Sulfate	26000	25300	1	2.71		15

L1617610-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1617610-02 05/19/23 02:13 • (DUP) R3928356-6 05/19/23 02:27

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	36900	36800	1	0.299		15
Nitrate	88.3	123	1	32.4	P1	15
Sulfate	57600	57400	1	0.322		15

Laboratory Control Sample (LCS)

(LCS) R3928356-2 05/18/23 10:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	38700	96.8	80.0-120	
Nitrate	8000	7410	92.6	80.0-120	
Sulfate	40000	38800	97.0	80.0-120	

L1617549-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617549-02 05/18/23 16:53 • (MS) R3928356-4 05/18/23 17:48 • (MSD) R3928356-5 05/18/23 18:02

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 %
Chloride	50000	38000	84500	86000	92.8	96.0	1	80.0-120			1.85	15
Nitrate	5000	U	4470	4600	89.4	91.9	1	80.0-120			2.80	15
Sulfate	50000	26000	72100	72900	92.2	93.8	1	80.0-120			1.13	15

L1617610-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1617610-02 05/19/23 02:13 • (MS) R3928356-7 05/19/23 02:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	36900	87700	102	1	80.0-120	
Nitrate	5000	88.3	4990	98.1	1	80.0-120	
Sulfate	50000	57600	110000	104	1	80.0-120	

Method Blank (MB)

(MB) R3926943-1 05/18/23 10:02

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

L1615209-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1615209-02 05/19/23 03:36 • (DUP) R3926943-5 05/19/23 03:51

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	51600	51600	1	0.0837		15
Nitrate	1240	1200	1	3.58		15
Sulfate	62800	62700	1	0.165		15

L1615209-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1615209-05 05/19/23 05:27 • (DUP) R3926943-7 05/19/23 05:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	11100	11100	1	0.145		15
Nitrate	1300	1270	1	2.59		15
Sulfate	19500	19500	1	0.281		15

Laboratory Control Sample (LCS)

(LCS) R3926943-2 05/18/23 10:18

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Chloride	40000	40000	100	80.0-120	
Nitrate	8000	7950	99.4	80.0-120	
Sulfate	40000	40200	101	80.0-120	

L1617570-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617570-03 05/18/23 21:30 • (MS) R3926943-3 05/18/23 21:45 • (MSD) R3926943-4 05/18/23 22:01

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	117000	160000	160000	85.9	85.8	1	80.0-120			0.00426	15
Nitrate	5000	4130	8720	8710	91.8	91.6	1	80.0-120			0.143	15
Sulfate	50000	110000	153000	154000	87.4	87.5	1	80.0-120			0.0414	15

L1615209-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1615209-02 05/19/23 03:36 • (MS) R3926943-6 05/19/23 04:07

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	51600	99100	95.0	1	80.0-120	
Nitrate	5000	1240	5910	93.4	1	80.0-120	
Sulfate	50000	62800	109000	92.5	1	80.0-120	

Method Blank (MB)

(MB) R3929975-2 05/25/23 20:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	143	J	102	1000

Method Blank (MB)

(MB) R3929975-12 05/27/23 00:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	108	J	102	1000

L1616438-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1616438-01 05/25/23 23:03 • (DUP) R3929975-3 05/25/23 23:18

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	1420	1340	1	6.23		20

L1617282-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1617282-03 05/26/23 16:27 • (DUP) R3929975-8 05/26/23 17:05

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	374000	370000	10	1.02		20

Laboratory Control Sample (LCS)

(LCS) R3929975-1 05/25/23 20:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	24300	97.3	85.0-115	

Laboratory Control Sample (LCS)

(LCS) R3929975-11 05/26/23 23:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	24400	97.7	85.0-115	

L1617255-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617255-01 05/25/23 23:35 • (MS) R3929975-4 05/26/23 00:01 • (MSD) R3929975-5 05/26/23 00:26

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 %
TOC (Total Organic Carbon)	25000	3250	27500	27900	96.9	98.7	1	80.0-120			1.70	20

L1617282-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617282-02 05/27/23 00:40 • (MS) R3929975-13 05/27/23 00:59 • (MSD) R3929975-14 05/27/23 01:18

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	25000	3860	29100	29300	101	102	1	80.0-120			0.582	20

Method Blank (MB)

(MB) R3930320-1 05/28/23 21:12

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	113	J	102	1000

L1617614-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1617614-01 05/29/23 01:47 • (DUP) R3930320-5 05/29/23 02:01

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	848	839	1	1.02	J	20

L1617679-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1617679-03 05/29/23 04:06 • (DUP) R3930320-6 05/29/23 04:20

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	704	736	1	4.57	J	20

Laboratory Control Sample (LCS)

(LCS) R3930320-2 05/28/23 22:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	24900	99.7	85.0-115	

L1617549-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617549-03 05/29/23 00:03 • (MS) R3930320-3 05/29/23 00:26 • (MSD) R3930320-4 05/29/23 00:50

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 %
TOC (Total Organic Carbon)	25000	1330	26500	26700	101	102	1	80.0-120			1.05	20

L1617679-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617679-09 05/29/23 05:42 • (MS) R3930320-7 05/29/23 06:10 • (MSD) R3930320-8 05/29/23 06:34

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 %
TOC (Total Organic Carbon)	25000	915	25500	25800	98.5	99.5	1	80.0-120			1.05	20

Method Blank (MB)

(MB) R3929527-2 05/25/23 15:50

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

L1617276-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1617276-04 05/25/23 15:53 • (DUP) R3929527-3 05/25/23 16:30

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	345	339	1	1.75		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1617596-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1617596-02 05/25/23 16:38 • (DUP) R3929527-4 05/25/23 17:16

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

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

(LCS) R3929527-1 05/25/23 15:47 • (LCSD) R3929527-7 05/25/23 17:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	71.8	64.5	106	95.1	85.0-115			10.7	20
Ethane	129	114	112	88.4	86.8	85.0-115			1.77	20
Ethene	127	115	114	90.6	89.8	85.0-115			0.873	20

L1617570-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617570-03 05/25/23 16:21 • (MS) R3929527-5 05/25/23 17:19 • (MSD) R3929527-6 05/25/23 17:23

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	72.7	76.5	107	113	1	85.0-115			5.09	20
Ethane	129	U	123	128	95.3	99.2	1	85.0-115			3.98	20
Ethene	127	U	124	129	97.6	102	1	85.0-115			3.95	20

Method Blank (MB)

(MB) R3929816-2 05/26/23 10:52

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

L1617677-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1617677-07 05/26/23 12:42 • (DUP) R3929816-3 05/26/23 12:45

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

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

(LCS) R3929816-1 05/26/23 10:48 • (LCSD) R3929816-9 05/26/23 14:00

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	67.1	68.0	99.0	100	85.0-115			1.33	20

L1617073-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617073-02 05/26/23 10:57 • (MS) R3929816-5 05/26/23 13:37 • (MSD) R3929816-6 05/26/23 13:44

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	%	%		%			%	%
Methane	678	24500	24900	26400	59.0	280	10	85.0-115	V	V	5.85	20

L1617677-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617677-01 05/26/23 11:42 • (MS) R3929816-7 05/26/23 13:53 • (MSD) R3929816-8 05/26/23 13:56

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	%	%		%			%	%
Methane	67.8	U	58.7	49.9	86.6	73.6	1	85.0-115		J6	16.2	20

Method Blank (MB)

(MB) R3930176-3 05/25/23 17:20

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

Method Blank (MB)

(MB) R3930176-3 05/25/23 17:20

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	0.138	J	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	*99.7*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

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

(LCS) R3930176-1 05/25/23 15:07 • (LCSD) R3930176-2 05/25/23 15:26

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	22.9	31.0	91.6	124	10.0-160			30.1	31
Acrylonitrile	25.0	26.3	27.2	105	109	45.0-153			3.36	22
Benzene	5.00	4.67	4.45	93.4	89.0	70.0-123			4.82	20
Bromobenzene	5.00	4.64	4.31	92.8	86.2	73.0-121			7.37	20
Bromodichloromethane	5.00	4.95	4.63	99.0	92.6	73.0-121			6.68	20
Bromoform	5.00	4.10	4.15	82.0	83.0	64.0-132			1.21	20
Bromomethane	5.00	4.91	4.47	98.2	89.4	56.0-147			9.38	20
n-Butylbenzene	5.00	3.71	3.95	74.2	79.0	68.0-135			6.27	20
sec-Butylbenzene	5.00	4.35	4.22	87.0	84.4	74.0-130			3.03	20
tert-Butylbenzene	5.00	4.31	4.12	86.2	82.4	75.0-127			4.51	20
Carbon tetrachloride	5.00	4.72	4.58	94.4	91.6	66.0-128			3.01	20
Chlorobenzene	5.00	4.83	4.54	96.6	90.8	76.0-128			6.19	20
Chlorodibromomethane	5.00	4.38	4.12	87.6	82.4	74.0-127			6.12	20
Chloroethane	5.00	5.58	5.48	112	110	61.0-134			1.81	20
Chloroform	5.00	4.89	4.78	97.8	95.6	72.0-123			2.28	20
Chloromethane	5.00	6.17	5.23	123	105	51.0-138			16.5	20
2-Chlorotoluene	5.00	4.27	4.17	85.4	83.4	75.0-124			2.37	20
4-Chlorotoluene	5.00	4.34	4.07	86.8	81.4	75.0-124			6.42	20
1,2-Dibromo-3-Chloropropane	5.00	3.57	3.70	71.4	74.0	59.0-130			3.58	20
1,2-Dibromoethane	5.00	4.60	4.51	92.0	90.2	74.0-128			1.98	20
Dibromomethane	5.00	5.30	5.10	106	102	75.0-122			3.85	20
1,2-Dichlorobenzene	5.00	4.33	4.15	86.6	83.0	76.0-124			4.25	20
1,3-Dichlorobenzene	5.00	4.46	4.47	89.2	89.4	76.0-125			0.224	20
1,4-Dichlorobenzene	5.00	4.47	4.42	89.4	88.4	77.0-121			1.12	20
Dichlorodifluoromethane	5.00	5.62	5.02	112	100	43.0-156			11.3	20
1,1-Dichloroethane	5.00	4.94	4.82	98.8	96.4	70.0-127			2.46	20
1,2-Dichloroethane	5.00	5.09	4.98	102	99.6	65.0-131			2.18	20
1,1-Dichloroethene	5.00	5.40	5.12	108	102	65.0-131			5.32	20
cis-1,2-Dichloroethene	5.00	4.73	4.57	94.6	91.4	73.0-125			3.44	20
trans-1,2-Dichloroethene	5.00	4.71	4.41	94.2	88.2	71.0-125			6.58	20
1,2-Dichloropropane	5.00	4.80	4.55	96.0	91.0	74.0-125			5.35	20
1,1-Dichloropropene	5.00	5.04	4.67	101	93.4	73.0-125			7.62	20
1,3-Dichloropropane	5.00	4.74	4.41	94.8	88.2	80.0-125			7.21	20
cis-1,3-Dichloropropene	5.00	4.93	4.43	98.6	88.6	76.0-127			10.7	20
trans-1,3-Dichloropropene	5.00	4.41	4.15	88.2	83.0	73.0-127			6.07	20
2,2-Dichloropropane	5.00	3.92	4.23	78.4	84.6	59.0-135			7.61	20
Di-isopropyl ether	5.00	5.07	4.96	101	99.2	60.0-136			2.19	20
Ethylbenzene	5.00	4.67	4.64	93.4	92.8	74.0-126			0.644	20
Hexachloro-1,3-butadiene	5.00	3.60	4.11	72.0	82.2	57.0-150			13.2	20
Isopropylbenzene	5.00	4.18	4.10	83.6	82.0	72.0-127			1.93	20

QUALITY CONTROL SUMMARY

L1617549-01,02

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

(LCS) R3930176-1 05/25/23 15:07 • (LCSD) R3930176-2 05/25/23 15:26

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	4.28	4.15	85.6	83.0	72.0-133			3.08	20
2-Butanone (MEK)	25.0	23.6	27.4	94.4	110	30.0-160			14.9	24
Methylene Chloride	5.00	5.13	4.84	103	96.8	68.0-123			5.82	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	4.33	4.53	86.6	90.6	66.0-132			4.51	20
Naphthalene	5.00	3.15	2.96	63.0	59.2	59.0-130			6.22	20
n-Propylbenzene	5.00	4.14	4.05	82.8	81.0	74.0-126			2.20	20
Styrene	5.00	4.31	4.11	86.2	82.2	72.0-127			4.75	20
1,1,1,2-Tetrachloroethane	5.00	4.21	4.09	84.2	81.8	74.0-129			2.89	20
1,1,2,2-Tetrachloroethane	5.00	3.94	3.84	78.8	76.8	68.0-128			2.57	20
1,1,2-Trichlorotrifluoroethane	5.00	5.00	4.60	100	92.0	61.0-139			8.33	20
Tetrachloroethene	5.00	5.11	4.84	102	96.8	70.0-136			5.43	20
Toluene	5.00	4.72	4.34	94.4	86.8	75.0-121			8.39	20
1,2,3-Trichlorobenzene	5.00	4.05	3.87	81.0	77.4	59.0-139			4.55	20
1,2,4-Trichlorobenzene	5.00	3.55	3.29	71.0	65.8	62.0-137			7.60	20
1,1,1-Trichloroethane	5.00	5.03	4.73	101	94.6	69.0-126			6.15	20
1,1,2-Trichloroethane	5.00	4.87	4.68	97.4	93.6	78.0-123			3.98	20
Trichloroethene	5.00	5.50	5.13	110	103	76.0-126			6.96	20
Trichlorofluoromethane	5.00	4.85	4.82	97.0	96.4	61.0-142			0.620	20
1,2,3-Trichloropropane	5.00	4.22	4.22	84.4	84.4	67.0-129			0.000	20
1,2,4-Trimethylbenzene	5.00	4.06	4.05	81.2	81.0	70.0-126			0.247	20
1,2,3-Trimethylbenzene	5.00	4.28	4.16	85.6	83.2	74.0-124			2.84	20
1,3,5-Trimethylbenzene	5.00	4.17	4.10	83.4	82.0	73.0-127			1.69	20
Vinyl chloride	5.00	5.63	4.98	113	99.6	63.0-134			12.3	20
Xylenes, Total	15.0	13.4	12.9	89.3	86.0	72.0-127			3.80	20
Ethyl Ether	5.00	5.01	4.85	100	97.0	64.0-137			3.25	20
Tetrahydrofuran	5.00	3.61	6.49	72.2	130	37.0-146		J3	57.0	24
Iodomethane	25.0	29.3	26.2	117	105	74.0-134			11.2	20
Allyl chloride	25.0	23.7	22.5	94.8	90.0	70.0-131			5.19	20
Trans-1,4-Dichloro-2-butene	5.00	4.01	3.79	80.2	75.8	45.0-143			5.64	20
(S) Toluene-d8				*105*	*102*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.3*	*100*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*107*	*109*	*70.0-130*				

Method Blank (MB)

(MB) R3930666-2 05/29/23 10:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	0.735	J	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

Method Blank (MB)

(MB) R3930666-2 05/29/23 10:11

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	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*107*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3930666-1 05/29/23 09:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	35.7	143	10.0-160	
Acrylonitrile	25.0	27.1	108	45.0-153	
Benzene	5.00	4.73	94.6	70.0-123	
Bromobenzene	5.00	4.51	90.2	73.0-121	
Bromodichloromethane	5.00	4.96	99.2	73.0-121	
Bromoform	5.00	4.46	89.2	64.0-132	
Bromomethane	5.00	3.32	66.4	56.0-147	
n-Butylbenzene	5.00	4.17	83.4	68.0-135	
sec-Butylbenzene	5.00	4.49	89.8	74.0-130	
tert-Butylbenzene	5.00	4.56	91.2	75.0-127	
Carbon tetrachloride	5.00	4.31	86.2	66.0-128	
Chlorobenzene	5.00	4.66	93.2	76.0-128	
Chlorodibromomethane	5.00	4.85	97.0	74.0-127	
Chloroethane	5.00	4.06	81.2	61.0-134	
Chloroform	5.00	4.10	82.0	72.0-123	
Chloromethane	5.00	5.96	119	51.0-138	
2-Chlorotoluene	5.00	4.68	93.6	75.0-124	
4-Chlorotoluene	5.00	4.65	93.0	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	3.74	74.8	59.0-130	
1,2-Dibromoethane	5.00	5.07	101	74.0-128	
Dibromomethane	5.00	4.77	95.4	75.0-122	
1,2-Dichlorobenzene	5.00	4.24	84.8	76.0-124	
1,3-Dichlorobenzene	5.00	4.53	90.6	76.0-125	
1,4-Dichlorobenzene	5.00	4.57	91.4	77.0-121	
Dichlorodifluoromethane	5.00	3.14	62.8	43.0-156	
1,1-Dichloroethane	5.00	4.78	95.6	70.0-127	
1,2-Dichloroethane	5.00	5.37	107	65.0-131	
1,1-Dichloroethene	5.00	4.39	87.8	65.0-131	
cis-1,2-Dichloroethene	5.00	4.16	83.2	73.0-125	
trans-1,2-Dichloroethene	5.00	4.08	81.6	71.0-125	
1,2-Dichloropropane	5.00	5.47	109	74.0-125	
1,1-Dichloropropene	5.00	4.83	96.6	73.0-125	
1,3-Dichloropropane	5.00	5.19	104	80.0-125	
cis-1,3-Dichloropropene	5.00	5.53	111	76.0-127	
trans-1,3-Dichloropropene	5.00	5.44	109	73.0-127	
2,2-Dichloropropane	5.00	4.26	85.2	59.0-135	
Di-isopropyl ether	5.00	7.68	154	60.0-136	J4
Ethylbenzene	5.00	4.54	90.8	74.0-126	
Hexachloro-1,3-butadiene	5.00	3.53	70.6	57.0-150	
Isopropylbenzene	5.00	4.45	89.0	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) R3930666-1 05/29/23 09:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
p-Isopropyltoluene	5.00	4.44	88.8	72.0-133	
2-Butanone (MEK)	25.0	38.7	155	30.0-160	
Methylene Chloride	5.00	4.10	82.0	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	38.9	156	56.0-143	J4
Methyl tert-butyl ether	5.00	4.77	95.4	66.0-132	
Naphthalene	5.00	3.66	73.2	59.0-130	
n-Propylbenzene	5.00	4.72	94.4	74.0-126	
Styrene	5.00	4.50	90.0	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.69	93.8	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	4.58	91.6	68.0-128	
1,1,2-Trichlorotrifluoroethane	5.00	3.91	78.2	61.0-139	
Tetrachloroethene	5.00	5.35	107	70.0-136	
Toluene	5.00	4.71	94.2	75.0-121	
1,2,3-Trichlorobenzene	5.00	3.56	71.2	59.0-139	
1,2,4-Trichlorobenzene	5.00	3.81	76.2	62.0-137	
1,1,1-Trichloroethane	5.00	4.28	85.6	69.0-126	
1,1,2-Trichloroethane	5.00	5.33	107	78.0-123	
Trichloroethene	5.00	5.20	104	76.0-126	
Trichlorofluoromethane	5.00	4.64	92.8	61.0-142	
1,2,3-Trichloropropane	5.00	4.47	89.4	67.0-129	
1,2,4-Trimethylbenzene	5.00	4.49	89.8	70.0-126	
1,2,3-Trimethylbenzene	5.00	4.51	90.2	74.0-124	
1,3,5-Trimethylbenzene	5.00	4.49	89.8	73.0-127	
Vinyl chloride	5.00	3.67	73.4	63.0-134	
Xylenes, Total	15.0	14.4	96.0	72.0-127	
Ethyl Ether	5.00	5.40	108	64.0-137	
Tetrahydrofuran	5.00	8.78	176	37.0-146	J4
Iodomethane	25.0	19.8	79.2	74.0-134	
Allyl chloride	25.0	21.6	86.4	70.0-131	
Trans-1,4-Dichloro-2-butene	5.00	5.22	104	45.0-143	
(S) Toluene-d8			*106*	*75.0-131*	
(S) 4-Bromofluorobenzene			*107*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*100*	*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.
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.
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.

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	LAO000356
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

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Rachel.McLaughlin@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 #
443022-1413001.10.70

Lab Project #
PESENVSWA-ALP

Collected by (print):

Site/Facility ID #

P.O. # 603 04
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 #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl	Chloride 9060A	Nitrate 9060A			Remarks	Sample # (lab only)
HMW-9IB-051723	Grab	GW	—	5/17/23	1157	9			X	X	X	X	X	X				-01
MW-348-051723	↓	GW	—	↓	1320	9			X	X	X	X	X	X				-02
MW-350-051723	↓	GW	—	↓	1448	9			X	X	X	X	X	X				-03
		GW																
		GW																
		GW																
		GW																
		GW																
		GW																
		GW																

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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 # L1617549
J200

Acctnum: **PESENVSWA**
Template: **T229085**
Prelogin: **P994911**
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 __ FedEx __ Courier _____

Tracking # 6481 5464 7605

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:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR
	5/17/23	1718		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
				NSA7 4.1+0=4.1 27
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				5/18/23 0915

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

ANALYTICAL REPORT

June 05, 2023

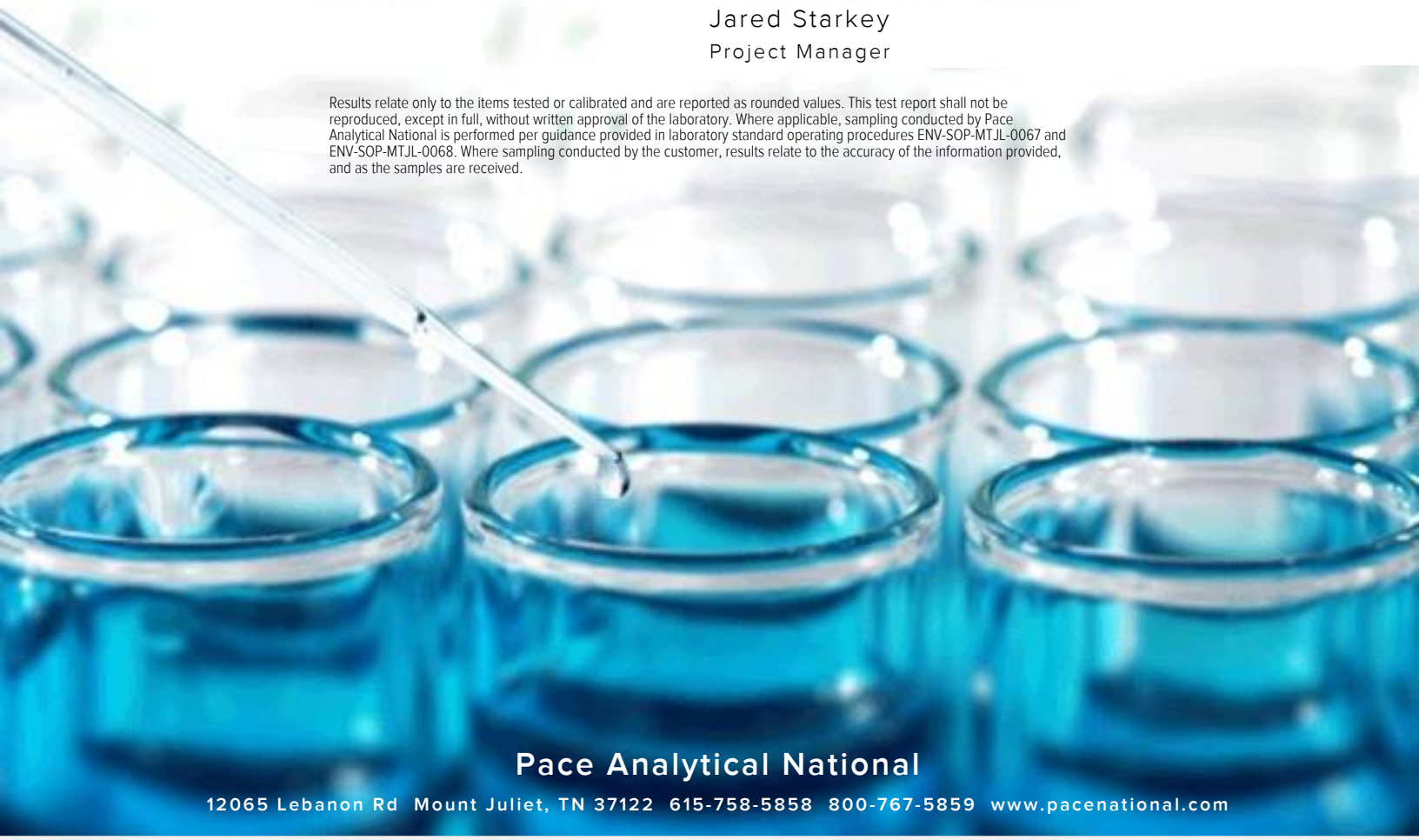
PES Environmental, Inc.- WA

Sample Delivery Group:	L1618697
Samples Received:	05/20/2023
Project Number:	443022-1413001.10.70
Description:	American Linen

Report To: Bill Haldeman
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:

Jared Starkey
Project Manager



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

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FMW-137-051923 L1618697-01 GW

Collected by: NEW | Collected date/time: 05/19/23 06:57 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066865	1	05/25/23 23:47	05/25/23 23:47	DWR	Mt. Juliet, TN

MW-328-051923 L1618697-02 GW

Collected by: NEW | Collected date/time: 05/19/23 07:56 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066865	1	05/26/23 00:06	05/26/23 00:06	DWR	Mt. Juliet, TN

MW-336-051923 L1618697-03 GW

Collected by: NEW | Collected date/time: 05/19/23 08:59 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066865	1	05/26/23 00:25	05/26/23 00:25	DWR	Mt. Juliet, TN

MW-335-051923 L1618697-04 GW

Collected by: NEW | Collected date/time: 05/19/23 09:45 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2066865	10	05/26/23 01:42	05/26/23 01:42	DWR	Mt. Juliet, TN

MW106-051823 L1618697-05 GW

Collected by: NEW | Collected date/time: 05/18/23 07:15 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067719	1	05/27/23 19:09	05/27/23 19:09	JHH	Mt. Juliet, TN

FMW-129-051823 L1618697-06 GW

Collected by: NEW | Collected date/time: 05/18/23 08:30 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067719	1	05/27/23 19:28	05/27/23 19:28	JHH	Mt. Juliet, TN

MW-329-051823 L1618697-07 GW

Collected by: NEW | Collected date/time: 05/18/23 09:29 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067719	1	05/27/23 19:47	05/27/23 19:47	JHH	Mt. Juliet, TN

MW128-051823 L1618697-08 GW

Collected by: NEW | Collected date/time: 05/18/23 10:17 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067719	1	05/27/23 20:05	05/27/23 20:05	JHH	Mt. Juliet, TN

MW-341-051823 L1618697-09 GW

Collected by: NEW | Collected date/time: 05/18/23 10:55 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067719	1	05/27/23 20:24	05/27/23 20:24	JHH	Mt. Juliet, TN

TB-051923 L1618697-10 GW

Collected by: NEW | Collected date/time: 05/18/23 13:00 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067719	1	05/27/23 18:50	05/27/23 18:50	JHH	Mt. Juliet, TN

MW116-051823 L1618697-11 GW

Collected by: NEW | Collected date/time: 05/18/23 11:35 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067719	1	05/27/23 20:43	05/27/23 20:43	JHH	Mt. Juliet, TN

MW113-051823 L1618697-12 GW

Collected by: NEW | Collected date/time: 05/18/23 12:26 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2069133	5	06/02/23 15:11	06/02/23 15:11	JAH	Mt. Juliet, TN

MW115-051823 L1618697-13 GW

Collected by: NEW | Collected date/time: 05/18/23 13:25 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067719	1	05/27/23 21:01	05/27/23 21:01	JHH	Mt. Juliet, TN

MW-324-051823 L1618697-14 GW

Collected by: NEW | Collected date/time: 05/18/23 15:45 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067719	25	05/27/23 23:33	05/27/23 23:33	JHH	Mt. Juliet, TN

MW-319-051723 L1618697-15 GW

Collected by: NEW | Collected date/time: 05/17/23 12:35 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067719	1	05/27/23 21:20	05/27/23 21:20	JHH	Mt. Juliet, TN

MW-322-051723 L1618697-16 GW

Collected by: NEW | Collected date/time: 05/17/23 13:54 | Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2069133	20	06/02/23 15:30	06/02/23 15:30	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

MW-323-051723 L1618697-17 GW

Collected by: NEW
Collected date/time: 05/17/23 15:25
Received date/time: 05/20/23 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2067719	20	05/28/23 00:11	05/28/23 00:11	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

Volatile 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	05/25/2023 23:47	WG2066865
Acrylonitrile	U		0.0760	0.500	1	05/25/2023 23:47	WG2066865
Benzene	U		0.0160	0.0400	1	05/25/2023 23:47	WG2066865
Bromobenzene	U		0.0420	0.500	1	05/25/2023 23:47	WG2066865
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 23:47	WG2066865
Bromoform	U	C3	0.239	1.00	1	05/25/2023 23:47	WG2066865
Bromomethane	U		0.148	0.500	1	05/25/2023 23:47	WG2066865
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 23:47	WG2066865
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 23:47	WG2066865
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 23:47	WG2066865
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 23:47	WG2066865
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 23:47	WG2066865
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 23:47	WG2066865
Chloroethane	U		0.0432	0.200	1	05/25/2023 23:47	WG2066865
Chloroform	U		0.0166	0.100	1	05/25/2023 23:47	WG2066865
Chloromethane	U		0.0556	0.500	1	05/25/2023 23:47	WG2066865
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 23:47	WG2066865
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 23:47	WG2066865
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 23:47	WG2066865
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 23:47	WG2066865
Dibromomethane	U		0.0400	0.200	1	05/25/2023 23:47	WG2066865
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 23:47	WG2066865
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 23:47	WG2066865
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 23:47	WG2066865
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 23:47	WG2066865
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 23:47	WG2066865
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 23:47	WG2066865
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 23:47	WG2066865
cis-1,2-Dichloroethene	21.2		0.0276	0.100	1	05/25/2023 23:47	WG2066865
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 23:47	WG2066865
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 23:47	WG2066865
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 23:47	WG2066865
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 23:47	WG2066865
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 23:47	WG2066865
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 23:47	WG2066865
2,2-Dichloropropane	U		0.0317	0.100	1	05/25/2023 23:47	WG2066865
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 23:47	WG2066865
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 23:47	WG2066865
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 23:47	WG2066865
Isopropylbenzene	U	C3	0.0345	0.100	1	05/25/2023 23:47	WG2066865
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 23:47	WG2066865
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 23:47	WG2066865
Methylene Chloride	U		0.265	1.00	1	05/25/2023 23:47	WG2066865
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 23:47	WG2066865
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 23:47	WG2066865
Naphthalene	U	C3	0.124	0.500	1	05/25/2023 23:47	WG2066865
n-Propylbenzene	U	C3	0.0472	0.200	1	05/25/2023 23:47	WG2066865
Styrene	U	C3	0.109	0.500	1	05/25/2023 23:47	WG2066865
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 23:47	WG2066865
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/25/2023 23:47	WG2066865
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 23:47	WG2066865
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 23:47	WG2066865
Toluene	U		0.0500	0.200	1	05/25/2023 23:47	WG2066865
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 23:47	WG2066865
1,2,4-Trichlorobenzene	U	C3	0.193	0.500	1	05/25/2023 23:47	WG2066865
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 23:47	WG2066865

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 23:47	WG2066865
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 23:47	WG2066865
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 23:47	WG2066865
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 23:47	WG2066865
1,2,4-Trimethylbenzene	U	C3	0.0464	0.200	1	05/25/2023 23:47	WG2066865
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 23:47	WG2066865
1,3,5-Trimethylbenzene	U	C3	0.0432	0.200	1	05/25/2023 23:47	WG2066865
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 23:47	WG2066865
Xylenes, Total	U		0.191	0.260	1	05/25/2023 23:47	WG2066865
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 23:47	WG2066865
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/25/2023 23:47	WG2066865
Iodomethane	U		0.242	0.500	1	05/25/2023 23:47	WG2066865
Allyl chloride	U		0.580	1.00	1	05/25/2023 23:47	WG2066865
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/25/2023 23:47	WG2066865
(S) Toluene-d8	*105*			*75.0-131*		*05/25/2023 23:47*	WG2066865
(S) 4-Bromofluorobenzene	*95.9*			*67.0-138*		*05/25/2023 23:47*	WG2066865
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*05/25/2023 23:47*	WG2066865

Volatile 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	05/26/2023 00:06	WG2066865
Acrylonitrile	U		0.0760	0.500	1	05/26/2023 00:06	WG2066865
Benzene	6.13		0.0160	0.0400	1	05/26/2023 00:06	WG2066865
Bromobenzene	U		0.0420	0.500	1	05/26/2023 00:06	WG2066865
Bromodichloromethane	U		0.0315	0.100	1	05/26/2023 00:06	WG2066865
Bromoform	U	C3	0.239	1.00	1	05/26/2023 00:06	WG2066865
Bromomethane	U		0.148	0.500	1	05/26/2023 00:06	WG2066865
n-Butylbenzene	U	C3	0.153	0.500	1	05/26/2023 00:06	WG2066865
sec-Butylbenzene	U		0.101	0.500	1	05/26/2023 00:06	WG2066865
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2023 00:06	WG2066865
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2023 00:06	WG2066865
Chlorobenzene	U		0.0229	0.100	1	05/26/2023 00:06	WG2066865
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2023 00:06	WG2066865
Chloroethane	U		0.0432	0.200	1	05/26/2023 00:06	WG2066865
Chloroform	U		0.0166	0.100	1	05/26/2023 00:06	WG2066865
Chloromethane	U		0.0556	0.500	1	05/26/2023 00:06	WG2066865
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2023 00:06	WG2066865
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2023 00:06	WG2066865
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/26/2023 00:06	WG2066865
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2023 00:06	WG2066865
Dibromomethane	U		0.0400	0.200	1	05/26/2023 00:06	WG2066865
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2023 00:06	WG2066865
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2023 00:06	WG2066865
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2023 00:06	WG2066865
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2023 00:06	WG2066865
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2023 00:06	WG2066865
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2023 00:06	WG2066865
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2023 00:06	WG2066865
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/26/2023 00:06	WG2066865
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2023 00:06	WG2066865
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2023 00:06	WG2066865
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2023 00:06	WG2066865
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2023 00:06	WG2066865
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2023 00:06	WG2066865
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2023 00:06	WG2066865
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2023 00:06	WG2066865
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2023 00:06	WG2066865
Ethylbenzene	U		0.0212	0.100	1	05/26/2023 00:06	WG2066865
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2023 00:06	WG2066865
Isopropylbenzene	U	C3	0.0345	0.100	1	05/26/2023 00:06	WG2066865
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2023 00:06	WG2066865
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2023 00:06	WG2066865
Methylene Chloride	U		0.265	1.00	1	05/26/2023 00:06	WG2066865
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2023 00:06	WG2066865
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2023 00:06	WG2066865
Naphthalene	U	C3	0.124	0.500	1	05/26/2023 00:06	WG2066865
n-Propylbenzene	U	C3	0.0472	0.200	1	05/26/2023 00:06	WG2066865
Styrene	U	C3	0.109	0.500	1	05/26/2023 00:06	WG2066865
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2023 00:06	WG2066865
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2023 00:06	WG2066865
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2023 00:06	WG2066865
Tetrachloroethene	U		0.0280	0.100	1	05/26/2023 00:06	WG2066865
Toluene	U		0.0500	0.200	1	05/26/2023 00:06	WG2066865
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/26/2023 00:06	WG2066865
1,2,4-Trichlorobenzene	U	C3	0.193	0.500	1	05/26/2023 00:06	WG2066865
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2023 00:06	WG2066865

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2023 00:06	WG2066865
Trichloroethene	U		0.0160	0.0400	1	05/26/2023 00:06	WG2066865
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2023 00:06	WG2066865
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2023 00:06	WG2066865
1,2,4-Trimethylbenzene	U	C3	0.0464	0.200	1	05/26/2023 00:06	WG2066865
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2023 00:06	WG2066865
1,3,5-Trimethylbenzene	U	C3	0.0432	0.200	1	05/26/2023 00:06	WG2066865
Vinyl chloride	1.74		0.0273	0.100	1	05/26/2023 00:06	WG2066865
Xylenes, Total	U		0.191	0.260	1	05/26/2023 00:06	WG2066865
Ethyl Ether	U		0.0170	0.100	1	05/26/2023 00:06	WG2066865
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/26/2023 00:06	WG2066865
Iodomethane	U		0.242	0.500	1	05/26/2023 00:06	WG2066865
Allyl chloride	U		0.580	1.00	1	05/26/2023 00:06	WG2066865
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2023 00:06	WG2066865
(S) Toluene-d8	*105*			*75.0-131*		*05/26/2023 00:06*	WG2066865
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*05/26/2023 00:06*	WG2066865
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/26/2023 00:06*	WG2066865

Volatile 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	05/26/2023 00:25	WG2066865
Acrylonitrile	U		0.0760	0.500	1	05/26/2023 00:25	WG2066865
Benzene	U		0.0160	0.0400	1	05/26/2023 00:25	WG2066865
Bromobenzene	U		0.0420	0.500	1	05/26/2023 00:25	WG2066865
Bromodichloromethane	U		0.0315	0.100	1	05/26/2023 00:25	WG2066865
Bromoform	U	C3	0.239	1.00	1	05/26/2023 00:25	WG2066865
Bromomethane	U		0.148	0.500	1	05/26/2023 00:25	WG2066865
n-Butylbenzene	U	C3	0.153	0.500	1	05/26/2023 00:25	WG2066865
sec-Butylbenzene	U		0.101	0.500	1	05/26/2023 00:25	WG2066865
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2023 00:25	WG2066865
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2023 00:25	WG2066865
Chlorobenzene	U		0.0229	0.100	1	05/26/2023 00:25	WG2066865
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2023 00:25	WG2066865
Chloroethane	U		0.0432	0.200	1	05/26/2023 00:25	WG2066865
Chloroform	U		0.0166	0.100	1	05/26/2023 00:25	WG2066865
Chloromethane	U		0.0556	0.500	1	05/26/2023 00:25	WG2066865
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2023 00:25	WG2066865
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2023 00:25	WG2066865
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/26/2023 00:25	WG2066865
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2023 00:25	WG2066865
Dibromomethane	U		0.0400	0.200	1	05/26/2023 00:25	WG2066865
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2023 00:25	WG2066865
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2023 00:25	WG2066865
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2023 00:25	WG2066865
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2023 00:25	WG2066865
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2023 00:25	WG2066865
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2023 00:25	WG2066865
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2023 00:25	WG2066865
cis-1,2-Dichloroethene	3.65		0.0276	0.100	1	05/26/2023 00:25	WG2066865
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2023 00:25	WG2066865
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2023 00:25	WG2066865
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2023 00:25	WG2066865
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2023 00:25	WG2066865
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2023 00:25	WG2066865
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2023 00:25	WG2066865
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2023 00:25	WG2066865
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2023 00:25	WG2066865
Ethylbenzene	U		0.0212	0.100	1	05/26/2023 00:25	WG2066865
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2023 00:25	WG2066865
Isopropylbenzene	U	C3	0.0345	0.100	1	05/26/2023 00:25	WG2066865
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2023 00:25	WG2066865
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2023 00:25	WG2066865
Methylene Chloride	U		0.265	1.00	1	05/26/2023 00:25	WG2066865
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2023 00:25	WG2066865
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2023 00:25	WG2066865
Naphthalene	U	C3	0.124	0.500	1	05/26/2023 00:25	WG2066865
n-Propylbenzene	U	C3	0.0472	0.200	1	05/26/2023 00:25	WG2066865
Styrene	U	C3	0.109	0.500	1	05/26/2023 00:25	WG2066865
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2023 00:25	WG2066865
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2023 00:25	WG2066865
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2023 00:25	WG2066865
Tetrachloroethene	U		0.0280	0.100	1	05/26/2023 00:25	WG2066865
Toluene	U		0.0500	0.200	1	05/26/2023 00:25	WG2066865
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/26/2023 00:25	WG2066865
1,2,4-Trichlorobenzene	U	C3	0.193	0.500	1	05/26/2023 00:25	WG2066865
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2023 00:25	WG2066865

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2023 00:25	WG2066865
Trichloroethene	0.496		0.0160	0.0400	1	05/26/2023 00:25	WG2066865
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2023 00:25	WG2066865
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2023 00:25	WG2066865
1,2,4-Trimethylbenzene	U	C3	0.0464	0.200	1	05/26/2023 00:25	WG2066865
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2023 00:25	WG2066865
1,3,5-Trimethylbenzene	U	C3	0.0432	0.200	1	05/26/2023 00:25	WG2066865
Vinyl chloride	U		0.0273	0.100	1	05/26/2023 00:25	WG2066865
Xylenes, Total	U		0.191	0.260	1	05/26/2023 00:25	WG2066865
Ethyl Ether	U		0.0170	0.100	1	05/26/2023 00:25	WG2066865
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/26/2023 00:25	WG2066865
Iodomethane	U		0.242	0.500	1	05/26/2023 00:25	WG2066865
Allyl chloride	U		0.580	1.00	1	05/26/2023 00:25	WG2066865
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2023 00:25	WG2066865
(S) Toluene-d8	*104*			*75.0-131*		*05/26/2023 00:25*	WG2066865
(S) 4-Bromofluorobenzene	*97.7*			*67.0-138*		*05/26/2023 00:25*	WG2066865
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*05/26/2023 00:25*	WG2066865

Volatile 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	05/26/2023 01:42	WG2066865
Acrylonitrile	U		0.760	5.00	10	05/26/2023 01:42	WG2066865
Benzene	U		0.160	0.400	10	05/26/2023 01:42	WG2066865
Bromobenzene	U		0.420	5.00	10	05/26/2023 01:42	WG2066865
Bromodichloromethane	U		0.315	1.00	10	05/26/2023 01:42	WG2066865
Bromoform	U	C3	2.39	10.0	10	05/26/2023 01:42	WG2066865
Bromomethane	U		1.48	5.00	10	05/26/2023 01:42	WG2066865
n-Butylbenzene	U	C3	1.53	5.00	10	05/26/2023 01:42	WG2066865
sec-Butylbenzene	U		1.01	5.00	10	05/26/2023 01:42	WG2066865
tert-Butylbenzene	U		0.620	2.00	10	05/26/2023 01:42	WG2066865
Carbon tetrachloride	U		0.432	2.00	10	05/26/2023 01:42	WG2066865
Chlorobenzene	U		0.229	1.00	10	05/26/2023 01:42	WG2066865
Chlorodibromomethane	U		0.180	1.00	10	05/26/2023 01:42	WG2066865
Chloroethane	U		0.432	2.00	10	05/26/2023 01:42	WG2066865
Chloroform	U		0.166	1.00	10	05/26/2023 01:42	WG2066865
Chloromethane	U		0.556	5.00	10	05/26/2023 01:42	WG2066865
2-Chlorotoluene	U		0.368	1.00	10	05/26/2023 01:42	WG2066865
4-Chlorotoluene	U		0.452	2.00	10	05/26/2023 01:42	WG2066865
1,2-Dibromo-3-Chloropropane	U	C3	2.04	10.0	10	05/26/2023 01:42	WG2066865
1,2-Dibromoethane	U		0.210	1.00	10	05/26/2023 01:42	WG2066865
Dibromomethane	U		0.400	2.00	10	05/26/2023 01:42	WG2066865
1,2-Dichlorobenzene	U		0.580	2.00	10	05/26/2023 01:42	WG2066865
1,3-Dichlorobenzene	U		0.680	2.00	10	05/26/2023 01:42	WG2066865
1,4-Dichlorobenzene	U		0.788	2.00	10	05/26/2023 01:42	WG2066865
Dichlorodifluoromethane	U		0.327	1.00	10	05/26/2023 01:42	WG2066865
1,1-Dichloroethane	U		0.230	1.00	10	05/26/2023 01:42	WG2066865
1,2-Dichloroethane	U		0.190	1.00	10	05/26/2023 01:42	WG2066865
1,1-Dichloroethene	U		0.200	1.00	10	05/26/2023 01:42	WG2066865
cis-1,2-Dichloroethene	199		0.276	1.00	10	05/26/2023 01:42	WG2066865
trans-1,2-Dichloroethene	U		0.572	2.00	10	05/26/2023 01:42	WG2066865
1,2-Dichloropropane	U		0.508	2.00	10	05/26/2023 01:42	WG2066865
1,1-Dichloropropene	U		0.280	1.00	10	05/26/2023 01:42	WG2066865
1,3-Dichloropropane	U		0.700	2.00	10	05/26/2023 01:42	WG2066865
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/26/2023 01:42	WG2066865
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/26/2023 01:42	WG2066865
2,2-Dichloropropane	U		0.317	1.00	10	05/26/2023 01:42	WG2066865
Di-isopropyl ether	U		0.140	0.400	10	05/26/2023 01:42	WG2066865
Ethylbenzene	U		0.212	1.00	10	05/26/2023 01:42	WG2066865
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/26/2023 01:42	WG2066865
Isopropylbenzene	U	C3	0.345	1.00	10	05/26/2023 01:42	WG2066865
p-Isopropyltoluene	U		0.932	2.00	10	05/26/2023 01:42	WG2066865
2-Butanone (MEK)	U		5.00	10.0	10	05/26/2023 01:42	WG2066865
Methylene Chloride	U		2.65	10.0	10	05/26/2023 01:42	WG2066865
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/26/2023 01:42	WG2066865
Methyl tert-butyl ether	U		0.118	0.400	10	05/26/2023 01:42	WG2066865
Naphthalene	U	C3	1.24	5.00	10	05/26/2023 01:42	WG2066865
n-Propylbenzene	U	C3	0.472	2.00	10	05/26/2023 01:42	WG2066865
Styrene	U	C3	1.09	5.00	10	05/26/2023 01:42	WG2066865
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/26/2023 01:42	WG2066865
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/26/2023 01:42	WG2066865
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/26/2023 01:42	WG2066865
Tetrachloroethene	143		0.280	1.00	10	05/26/2023 01:42	WG2066865
Toluene	U		0.500	2.00	10	05/26/2023 01:42	WG2066865
1,2,3-Trichlorobenzene	U	C3	0.250	5.00	10	05/26/2023 01:42	WG2066865
1,2,4-Trichlorobenzene	U	C3	1.93	5.00	10	05/26/2023 01:42	WG2066865
1,1,1-Trichloroethane	U		0.110	1.00	10	05/26/2023 01:42	WG2066865

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.353	1.00	10	05/26/2023 01:42	WG2066865
Trichloroethene	155		0.160	0.400	10	05/26/2023 01:42	WG2066865
Trichlorofluoromethane	U		0.200	1.00	10	05/26/2023 01:42	WG2066865
1,2,3-Trichloropropane	U		2.04	5.00	10	05/26/2023 01:42	WG2066865
1,2,4-Trimethylbenzene	U	C3	0.464	2.00	10	05/26/2023 01:42	WG2066865
1,2,3-Trimethylbenzene	U		0.460	2.00	10	05/26/2023 01:42	WG2066865
1,3,5-Trimethylbenzene	U	C3	0.432	2.00	10	05/26/2023 01:42	WG2066865
Vinyl chloride	U		0.273	1.00	10	05/26/2023 01:42	WG2066865
Xylenes, Total	U		1.91	2.60	10	05/26/2023 01:42	WG2066865
Ethyl Ether	U		0.170	1.00	10	05/26/2023 01:42	WG2066865
Tetrahydrofuran	U	C3 J3	0.900	5.00	10	05/26/2023 01:42	WG2066865
Iodomethane	U		2.42	5.00	10	05/26/2023 01:42	WG2066865
Allyl chloride	U		5.80	10.0	10	05/26/2023 01:42	WG2066865
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/26/2023 01:42	WG2066865
(S) Toluene-d8	*102*			*75.0-131*		*05/26/2023 01:42*	WG2066865
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*05/26/2023 01:42*	WG2066865
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/26/2023 01:42*	WG2066865

Volatile 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	B	0.548	1.00	1	05/27/2023 19:09	WG2067719
Acrylonitrile	U		0.0760	0.500	1	05/27/2023 19:09	WG2067719
Benzene	0.0270	J	0.0160	0.0400	1	05/27/2023 19:09	WG2067719
Bromobenzene	U		0.0420	0.500	1	05/27/2023 19:09	WG2067719
Bromodichloromethane	U		0.0315	0.100	1	05/27/2023 19:09	WG2067719
Bromoform	U		0.239	1.00	1	05/27/2023 19:09	WG2067719
Bromomethane	U		0.148	0.500	1	05/27/2023 19:09	WG2067719
n-Butylbenzene	U		0.153	0.500	1	05/27/2023 19:09	WG2067719
sec-Butylbenzene	U		0.101	0.500	1	05/27/2023 19:09	WG2067719
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2023 19:09	WG2067719
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2023 19:09	WG2067719
Chlorobenzene	U		0.0229	0.100	1	05/27/2023 19:09	WG2067719
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2023 19:09	WG2067719
Chloroethane	U		0.0432	0.200	1	05/27/2023 19:09	WG2067719
Chloroform	U		0.0166	0.100	1	05/27/2023 19:09	WG2067719
Chloromethane	U		0.0556	0.500	1	05/27/2023 19:09	WG2067719
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2023 19:09	WG2067719
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2023 19:09	WG2067719
1,2-Dibromo-3-Chloropropane	U	C3 J4	0.204	1.00	1	05/27/2023 19:09	WG2067719
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2023 19:09	WG2067719
Dibromomethane	U		0.0400	0.200	1	05/27/2023 19:09	WG2067719
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2023 19:09	WG2067719
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2023 19:09	WG2067719
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2023 19:09	WG2067719
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2023 19:09	WG2067719
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2023 19:09	WG2067719
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2023 19:09	WG2067719
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2023 19:09	WG2067719
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/27/2023 19:09	WG2067719
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2023 19:09	WG2067719
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2023 19:09	WG2067719
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2023 19:09	WG2067719
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2023 19:09	WG2067719
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2023 19:09	WG2067719
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2023 19:09	WG2067719
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2023 19:09	WG2067719
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2023 19:09	WG2067719
Ethylbenzene	0.138		0.0212	0.100	1	05/27/2023 19:09	WG2067719
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	05/27/2023 19:09	WG2067719
Isopropylbenzene	U		0.0345	0.100	1	05/27/2023 19:09	WG2067719
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2023 19:09	WG2067719
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2023 19:09	WG2067719
Methylene Chloride	U		0.265	1.00	1	05/27/2023 19:09	WG2067719
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2023 19:09	WG2067719
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2023 19:09	WG2067719
Naphthalene	U	C3 J3 J4	0.124	0.500	1	05/27/2023 19:09	WG2067719
n-Propylbenzene	U		0.0472	0.200	1	05/27/2023 19:09	WG2067719
Styrene	U		0.109	0.500	1	05/27/2023 19:09	WG2067719
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2023 19:09	WG2067719
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2023 19:09	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2023 19:09	WG2067719
Tetrachloroethene	U		0.0280	0.100	1	05/27/2023 19:09	WG2067719
Toluene	0.793		0.0500	0.200	1	05/27/2023 19:09	WG2067719
1,2,3-Trichlorobenzene	U	C3 J3 J4	0.0250	0.500	1	05/27/2023 19:09	WG2067719
1,2,4-Trichlorobenzene	U	C3 J4	0.193	0.500	1	05/27/2023 19:09	WG2067719
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2023 19:09	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 19:09	WG2067719
Trichloroethene	U		0.0160	0.0400	1	05/27/2023 19:09	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 19:09	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 19:09	WG2067719
1,2,4-Trimethylbenzene	0.132	J	0.0464	0.200	1	05/27/2023 19:09	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 19:09	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 19:09	WG2067719
Vinyl chloride	U		0.0273	0.100	1	05/27/2023 19:09	WG2067719
Xylenes, Total	0.870		0.191	0.260	1	05/27/2023 19:09	WG2067719
Ethyl Ether	U		0.0170	0.100	1	05/27/2023 19:09	WG2067719
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2023 19:09	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 19:09	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 19:09	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 19:09	WG2067719
(S) Toluene-d8	*101*			*75.0-131*		*05/27/2023 19:09*	WG2067719
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*05/27/2023 19:09*	WG2067719
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/27/2023 19:09*	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.58	B	0.548	1.00	1	05/27/2023 19:28	WG2067719
Acrylonitrile	U		0.0760	0.500	1	05/27/2023 19:28	WG2067719
Benzene	U		0.0160	0.0400	1	05/27/2023 19:28	WG2067719
Bromobenzene	U		0.0420	0.500	1	05/27/2023 19:28	WG2067719
Bromodichloromethane	U		0.0315	0.100	1	05/27/2023 19:28	WG2067719
Bromoform	U		0.239	1.00	1	05/27/2023 19:28	WG2067719
Bromomethane	U		0.148	0.500	1	05/27/2023 19:28	WG2067719
n-Butylbenzene	U		0.153	0.500	1	05/27/2023 19:28	WG2067719
sec-Butylbenzene	U		0.101	0.500	1	05/27/2023 19:28	WG2067719
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2023 19:28	WG2067719
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2023 19:28	WG2067719
Chlorobenzene	U		0.0229	0.100	1	05/27/2023 19:28	WG2067719
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2023 19:28	WG2067719
Chloroethane	U		0.0432	0.200	1	05/27/2023 19:28	WG2067719
Chloroform	U		0.0166	0.100	1	05/27/2023 19:28	WG2067719
Chloromethane	U		0.0556	0.500	1	05/27/2023 19:28	WG2067719
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2023 19:28	WG2067719
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2023 19:28	WG2067719
1,2-Dibromo-3-Chloropropane	U	C3 J4	0.204	1.00	1	05/27/2023 19:28	WG2067719
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2023 19:28	WG2067719
Dibromomethane	U		0.0400	0.200	1	05/27/2023 19:28	WG2067719
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2023 19:28	WG2067719
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2023 19:28	WG2067719
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2023 19:28	WG2067719
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2023 19:28	WG2067719
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2023 19:28	WG2067719
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2023 19:28	WG2067719
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2023 19:28	WG2067719
cis-1,2-Dichloroethene	8.18		0.0276	0.100	1	05/27/2023 19:28	WG2067719
trans-1,2-Dichloroethene	0.0730	J	0.0572	0.200	1	05/27/2023 19:28	WG2067719
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2023 19:28	WG2067719
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2023 19:28	WG2067719
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2023 19:28	WG2067719
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2023 19:28	WG2067719
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2023 19:28	WG2067719
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2023 19:28	WG2067719
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2023 19:28	WG2067719
Ethylbenzene	U		0.0212	0.100	1	05/27/2023 19:28	WG2067719
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	05/27/2023 19:28	WG2067719
Isopropylbenzene	U		0.0345	0.100	1	05/27/2023 19:28	WG2067719
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2023 19:28	WG2067719
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2023 19:28	WG2067719
Methylene Chloride	U		0.265	1.00	1	05/27/2023 19:28	WG2067719
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2023 19:28	WG2067719
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2023 19:28	WG2067719
Naphthalene	U	C3 J3 J4	0.124	0.500	1	05/27/2023 19:28	WG2067719
n-Propylbenzene	U		0.0472	0.200	1	05/27/2023 19:28	WG2067719
Styrene	U		0.109	0.500	1	05/27/2023 19:28	WG2067719
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2023 19:28	WG2067719
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2023 19:28	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2023 19:28	WG2067719
Tetrachloroethene	0.626		0.0280	0.100	1	05/27/2023 19:28	WG2067719
Toluene	U		0.0500	0.200	1	05/27/2023 19:28	WG2067719
1,2,3-Trichlorobenzene	U	C3 J3 J4	0.0250	0.500	1	05/27/2023 19:28	WG2067719
1,2,4-Trichlorobenzene	U	C3 J4	0.193	0.500	1	05/27/2023 19:28	WG2067719
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2023 19:28	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 19:28	WG2067719
Trichloroethene	2.68		0.0160	0.0400	1	05/27/2023 19:28	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 19:28	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 19:28	WG2067719
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2023 19:28	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 19:28	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 19:28	WG2067719
Vinyl chloride	U		0.0273	0.100	1	05/27/2023 19:28	WG2067719
Xylenes, Total	U		0.191	0.260	1	05/27/2023 19:28	WG2067719
Ethyl Ether	U		0.0170	0.100	1	05/27/2023 19:28	WG2067719
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2023 19:28	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 19:28	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 19:28	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 19:28	WG2067719
(S) Toluene-d8	*99.5*			*75.0-131*		*05/27/2023 19:28*	WG2067719
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/27/2023 19:28*	WG2067719
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/27/2023 19:28*	WG2067719

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	1.27	B	0.548	1.00	1	05/27/2023 19:47	WG2067719
Acrylonitrile	U		0.0760	0.500	1	05/27/2023 19:47	WG2067719
Benzene	0.185		0.0160	0.0400	1	05/27/2023 19:47	WG2067719
Bromobenzene	U		0.0420	0.500	1	05/27/2023 19:47	WG2067719
Bromodichloromethane	U		0.0315	0.100	1	05/27/2023 19:47	WG2067719
Bromoform	U		0.239	1.00	1	05/27/2023 19:47	WG2067719
Bromomethane	U		0.148	0.500	1	05/27/2023 19:47	WG2067719
n-Butylbenzene	U		0.153	0.500	1	05/27/2023 19:47	WG2067719
sec-Butylbenzene	U		0.101	0.500	1	05/27/2023 19:47	WG2067719
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2023 19:47	WG2067719
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2023 19:47	WG2067719
Chlorobenzene	U		0.0229	0.100	1	05/27/2023 19:47	WG2067719
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2023 19:47	WG2067719
Chloroethane	U		0.0432	0.200	1	05/27/2023 19:47	WG2067719
Chloroform	U		0.0166	0.100	1	05/27/2023 19:47	WG2067719
Chloromethane	U		0.0556	0.500	1	05/27/2023 19:47	WG2067719
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2023 19:47	WG2067719
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2023 19:47	WG2067719
1,2-Dibromo-3-Chloropropane	U	C3 J4	0.204	1.00	1	05/27/2023 19:47	WG2067719
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2023 19:47	WG2067719
Dibromomethane	U		0.0400	0.200	1	05/27/2023 19:47	WG2067719
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2023 19:47	WG2067719
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2023 19:47	WG2067719
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2023 19:47	WG2067719
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2023 19:47	WG2067719
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2023 19:47	WG2067719
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2023 19:47	WG2067719
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2023 19:47	WG2067719
cis-1,2-Dichloroethene	8.79		0.0276	0.100	1	05/27/2023 19:47	WG2067719
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2023 19:47	WG2067719
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2023 19:47	WG2067719
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2023 19:47	WG2067719
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2023 19:47	WG2067719
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2023 19:47	WG2067719
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2023 19:47	WG2067719
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2023 19:47	WG2067719
Di-isopropyl ether	0.0820		0.0140	0.0400	1	05/27/2023 19:47	WG2067719
Ethylbenzene	U		0.0212	0.100	1	05/27/2023 19:47	WG2067719
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	05/27/2023 19:47	WG2067719
Isopropylbenzene	U		0.0345	0.100	1	05/27/2023 19:47	WG2067719
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2023 19:47	WG2067719
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2023 19:47	WG2067719
Methylene Chloride	U		0.265	1.00	1	05/27/2023 19:47	WG2067719
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2023 19:47	WG2067719
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2023 19:47	WG2067719
Naphthalene	U	C3 J3 J4	0.124	0.500	1	05/27/2023 19:47	WG2067719
n-Propylbenzene	U		0.0472	0.200	1	05/27/2023 19:47	WG2067719
Styrene	U		0.109	0.500	1	05/27/2023 19:47	WG2067719
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2023 19:47	WG2067719
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2023 19:47	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2023 19:47	WG2067719
Tetrachloroethene	U		0.0280	0.100	1	05/27/2023 19:47	WG2067719
Toluene	U		0.0500	0.200	1	05/27/2023 19:47	WG2067719
1,2,3-Trichlorobenzene	U	C3 J3 J4	0.0250	0.500	1	05/27/2023 19:47	WG2067719
1,2,4-Trichlorobenzene	U	C3 J4	0.193	0.500	1	05/27/2023 19:47	WG2067719
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2023 19:47	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 19:47	WG2067719
Trichloroethene	U		0.0160	0.0400	1	05/27/2023 19:47	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 19:47	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 19:47	WG2067719
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2023 19:47	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 19:47	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 19:47	WG2067719
Vinyl chloride	24.5		0.0273	0.100	1	05/27/2023 19:47	WG2067719
Xylenes, Total	U		0.191	0.260	1	05/27/2023 19:47	WG2067719
Ethyl Ether	U		0.0170	0.100	1	05/27/2023 19:47	WG2067719
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2023 19:47	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 19:47	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 19:47	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 19:47	WG2067719
(S) Toluene-d8	*99.9*			*75.0-131*		*05/27/2023 19:47*	WG2067719
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*		*05/27/2023 19:47*	WG2067719
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/27/2023 19:47*	WG2067719

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	1.63	B	0.548	1.00	1	05/27/2023 20:05	WG2067719
Acrylonitrile	U		0.0760	0.500	1	05/27/2023 20:05	WG2067719
Benzene	2.96		0.0160	0.0400	1	05/27/2023 20:05	WG2067719
Bromobenzene	U		0.0420	0.500	1	05/27/2023 20:05	WG2067719
Bromodichloromethane	U		0.0315	0.100	1	05/27/2023 20:05	WG2067719
Bromoform	U		0.239	1.00	1	05/27/2023 20:05	WG2067719
Bromomethane	U		0.148	0.500	1	05/27/2023 20:05	WG2067719
n-Butylbenzene	U		0.153	0.500	1	05/27/2023 20:05	WG2067719
sec-Butylbenzene	U		0.101	0.500	1	05/27/2023 20:05	WG2067719
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2023 20:05	WG2067719
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2023 20:05	WG2067719
Chlorobenzene	U		0.0229	0.100	1	05/27/2023 20:05	WG2067719
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2023 20:05	WG2067719
Chloroethane	U		0.0432	0.200	1	05/27/2023 20:05	WG2067719
Chloroform	U		0.0166	0.100	1	05/27/2023 20:05	WG2067719
Chloromethane	U		0.0556	0.500	1	05/27/2023 20:05	WG2067719
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2023 20:05	WG2067719
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2023 20:05	WG2067719
1,2-Dibromo-3-Chloropropane	U	C3 J4	0.204	1.00	1	05/27/2023 20:05	WG2067719
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2023 20:05	WG2067719
Dibromomethane	U		0.0400	0.200	1	05/27/2023 20:05	WG2067719
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2023 20:05	WG2067719
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2023 20:05	WG2067719
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2023 20:05	WG2067719
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2023 20:05	WG2067719
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2023 20:05	WG2067719
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2023 20:05	WG2067719
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2023 20:05	WG2067719
cis-1,2-Dichloroethene	0.0530	J	0.0276	0.100	1	05/27/2023 20:05	WG2067719
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2023 20:05	WG2067719
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2023 20:05	WG2067719
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2023 20:05	WG2067719
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2023 20:05	WG2067719
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2023 20:05	WG2067719
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2023 20:05	WG2067719
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2023 20:05	WG2067719
Di-isopropyl ether	0.223		0.0140	0.0400	1	05/27/2023 20:05	WG2067719
Ethylbenzene	U		0.0212	0.100	1	05/27/2023 20:05	WG2067719
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	05/27/2023 20:05	WG2067719
Isopropylbenzene	U		0.0345	0.100	1	05/27/2023 20:05	WG2067719
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2023 20:05	WG2067719
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2023 20:05	WG2067719
Methylene Chloride	U		0.265	1.00	1	05/27/2023 20:05	WG2067719
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2023 20:05	WG2067719
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2023 20:05	WG2067719
Naphthalene	U	C3 J3 J4	0.124	0.500	1	05/27/2023 20:05	WG2067719
n-Propylbenzene	U		0.0472	0.200	1	05/27/2023 20:05	WG2067719
Styrene	U		0.109	0.500	1	05/27/2023 20:05	WG2067719
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2023 20:05	WG2067719
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2023 20:05	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2023 20:05	WG2067719
Tetrachloroethene	U		0.0280	0.100	1	05/27/2023 20:05	WG2067719
Toluene	U		0.0500	0.200	1	05/27/2023 20:05	WG2067719
1,2,3-Trichlorobenzene	U	C3 J3 J4	0.0250	0.500	1	05/27/2023 20:05	WG2067719
1,2,4-Trichlorobenzene	U	C3 J4	0.193	0.500	1	05/27/2023 20:05	WG2067719
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2023 20:05	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 20:05	WG2067719
Trichloroethene	U		0.0160	0.0400	1	05/27/2023 20:05	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 20:05	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 20:05	WG2067719
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2023 20:05	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 20:05	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 20:05	WG2067719
Vinyl chloride	0.874		0.0273	0.100	1	05/27/2023 20:05	WG2067719
Xylenes, Total	U		0.191	0.260	1	05/27/2023 20:05	WG2067719
Ethyl Ether	U		0.0170	0.100	1	05/27/2023 20:05	WG2067719
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2023 20:05	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 20:05	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 20:05	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 20:05	WG2067719
(S) Toluene-d8	*102*			*75.0-131*		*05/27/2023 20:05*	WG2067719
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*		*05/27/2023 20:05*	WG2067719
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*05/27/2023 20:05*	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.90	B	0.548	1.00	1	05/27/2023 20:24	WG2067719
Acrylonitrile	U		0.0760	0.500	1	05/27/2023 20:24	WG2067719
Benzene	19.7		0.0160	0.0400	1	05/27/2023 20:24	WG2067719
Bromobenzene	U		0.0420	0.500	1	05/27/2023 20:24	WG2067719
Bromodichloromethane	U		0.0315	0.100	1	05/27/2023 20:24	WG2067719
Bromoform	U		0.239	1.00	1	05/27/2023 20:24	WG2067719
Bromomethane	U		0.148	0.500	1	05/27/2023 20:24	WG2067719
n-Butylbenzene	U		0.153	0.500	1	05/27/2023 20:24	WG2067719
sec-Butylbenzene	U		0.101	0.500	1	05/27/2023 20:24	WG2067719
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2023 20:24	WG2067719
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2023 20:24	WG2067719
Chlorobenzene	U		0.0229	0.100	1	05/27/2023 20:24	WG2067719
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2023 20:24	WG2067719
Chloroethane	U		0.0432	0.200	1	05/27/2023 20:24	WG2067719
Chloroform	U		0.0166	0.100	1	05/27/2023 20:24	WG2067719
Chloromethane	U		0.0556	0.500	1	05/27/2023 20:24	WG2067719
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2023 20:24	WG2067719
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2023 20:24	WG2067719
1,2-Dibromo-3-Chloropropane	U	C3 J4	0.204	1.00	1	05/27/2023 20:24	WG2067719
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2023 20:24	WG2067719
Dibromomethane	U		0.0400	0.200	1	05/27/2023 20:24	WG2067719
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2023 20:24	WG2067719
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2023 20:24	WG2067719
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2023 20:24	WG2067719
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2023 20:24	WG2067719
1,1-Dichloroethane	0.0270	J	0.0230	0.100	1	05/27/2023 20:24	WG2067719
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2023 20:24	WG2067719
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2023 20:24	WG2067719
cis-1,2-Dichloroethene	4.42		0.0276	0.100	1	05/27/2023 20:24	WG2067719
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2023 20:24	WG2067719
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2023 20:24	WG2067719
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2023 20:24	WG2067719
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2023 20:24	WG2067719
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2023 20:24	WG2067719
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2023 20:24	WG2067719
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2023 20:24	WG2067719
Di-isopropyl ether	0.299		0.0140	0.0400	1	05/27/2023 20:24	WG2067719
Ethylbenzene	U		0.0212	0.100	1	05/27/2023 20:24	WG2067719
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	05/27/2023 20:24	WG2067719
Isopropylbenzene	U		0.0345	0.100	1	05/27/2023 20:24	WG2067719
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2023 20:24	WG2067719
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2023 20:24	WG2067719
Methylene Chloride	U		0.265	1.00	1	05/27/2023 20:24	WG2067719
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2023 20:24	WG2067719
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2023 20:24	WG2067719
Naphthalene	U	C3 J3 J4	0.124	0.500	1	05/27/2023 20:24	WG2067719
n-Propylbenzene	U		0.0472	0.200	1	05/27/2023 20:24	WG2067719
Styrene	U		0.109	0.500	1	05/27/2023 20:24	WG2067719
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2023 20:24	WG2067719
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2023 20:24	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2023 20:24	WG2067719
Tetrachloroethene	U		0.0280	0.100	1	05/27/2023 20:24	WG2067719
Toluene	U		0.0500	0.200	1	05/27/2023 20:24	WG2067719
1,2,3-Trichlorobenzene	U	C3 J3 J4	0.0250	0.500	1	05/27/2023 20:24	WG2067719
1,2,4-Trichlorobenzene	U	C3 J4	0.193	0.500	1	05/27/2023 20:24	WG2067719
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2023 20:24	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 20:24	WG2067719
Trichloroethene	U		0.0160	0.0400	1	05/27/2023 20:24	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 20:24	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 20:24	WG2067719
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2023 20:24	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 20:24	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 20:24	WG2067719
Vinyl chloride	23.2		0.0273	0.100	1	05/27/2023 20:24	WG2067719
Xylenes, Total	U		0.191	0.260	1	05/27/2023 20:24	WG2067719
Ethyl Ether	0.118		0.0170	0.100	1	05/27/2023 20:24	WG2067719
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2023 20:24	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 20:24	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 20:24	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 20:24	WG2067719
(S) Toluene-d8	*102*			*75.0-131*		*05/27/2023 20:24*	WG2067719
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/27/2023 20:24*	WG2067719
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/27/2023 20:24*	WG2067719

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	9.35	B	0.548	1.00	1	05/27/2023 18:50	WG2067719
Acrylonitrile	U		0.0760	0.500	1	05/27/2023 18:50	WG2067719
Benzene	U		0.0160	0.0400	1	05/27/2023 18:50	WG2067719
Bromobenzene	U		0.0420	0.500	1	05/27/2023 18:50	WG2067719
Bromodichloromethane	U		0.0315	0.100	1	05/27/2023 18:50	WG2067719
Bromoform	U		0.239	1.00	1	05/27/2023 18:50	WG2067719
Bromomethane	U		0.148	0.500	1	05/27/2023 18:50	WG2067719
n-Butylbenzene	U		0.153	0.500	1	05/27/2023 18:50	WG2067719
sec-Butylbenzene	U		0.101	0.500	1	05/27/2023 18:50	WG2067719
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2023 18:50	WG2067719
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2023 18:50	WG2067719
Chlorobenzene	U		0.0229	0.100	1	05/27/2023 18:50	WG2067719
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2023 18:50	WG2067719
Chloroethane	U		0.0432	0.200	1	05/27/2023 18:50	WG2067719
Chloroform	U		0.0166	0.100	1	05/27/2023 18:50	WG2067719
Chloromethane	U		0.0556	0.500	1	05/27/2023 18:50	WG2067719
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2023 18:50	WG2067719
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2023 18:50	WG2067719
1,2-Dibromo-3-Chloropropane	U	C3 J4	0.204	1.00	1	05/27/2023 18:50	WG2067719
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2023 18:50	WG2067719
Dibromomethane	U		0.0400	0.200	1	05/27/2023 18:50	WG2067719
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2023 18:50	WG2067719
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2023 18:50	WG2067719
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2023 18:50	WG2067719
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2023 18:50	WG2067719
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2023 18:50	WG2067719
1,2-Dichloroethane	0.0190	J	0.0190	0.100	1	05/27/2023 18:50	WG2067719
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2023 18:50	WG2067719
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/27/2023 18:50	WG2067719
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2023 18:50	WG2067719
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2023 18:50	WG2067719
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2023 18:50	WG2067719
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2023 18:50	WG2067719
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2023 18:50	WG2067719
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2023 18:50	WG2067719
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2023 18:50	WG2067719
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2023 18:50	WG2067719
Ethylbenzene	U		0.0212	0.100	1	05/27/2023 18:50	WG2067719
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	05/27/2023 18:50	WG2067719
Isopropylbenzene	U		0.0345	0.100	1	05/27/2023 18:50	WG2067719
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2023 18:50	WG2067719
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2023 18:50	WG2067719
Methylene Chloride	U		0.265	1.00	1	05/27/2023 18:50	WG2067719
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2023 18:50	WG2067719
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2023 18:50	WG2067719
Naphthalene	U	C3 J3 J4	0.124	0.500	1	05/27/2023 18:50	WG2067719
n-Propylbenzene	U		0.0472	0.200	1	05/27/2023 18:50	WG2067719
Styrene	U		0.109	0.500	1	05/27/2023 18:50	WG2067719
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2023 18:50	WG2067719
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2023 18:50	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2023 18:50	WG2067719
Tetrachloroethene	U		0.0280	0.100	1	05/27/2023 18:50	WG2067719
Toluene	0.0720	J	0.0500	0.200	1	05/27/2023 18:50	WG2067719
1,2,3-Trichlorobenzene	U	C3 J3 J4	0.0250	0.500	1	05/27/2023 18:50	WG2067719
1,2,4-Trichlorobenzene	U	C3 J4	0.193	0.500	1	05/27/2023 18:50	WG2067719
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2023 18:50	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 18:50	WG2067719
Trichloroethene	U		0.0160	0.0400	1	05/27/2023 18:50	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 18:50	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 18:50	WG2067719
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2023 18:50	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 18:50	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 18:50	WG2067719
Vinyl chloride	U		0.0273	0.100	1	05/27/2023 18:50	WG2067719
Xylenes, Total	U		0.191	0.260	1	05/27/2023 18:50	WG2067719
Ethyl Ether	U		0.0170	0.100	1	05/27/2023 18:50	WG2067719
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2023 18:50	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 18:50	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 18:50	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 18:50	WG2067719
(S) Toluene-d8	*101*			*75.0-131*		*05/27/2023 18:50*	WG2067719
(S) 4-Bromofluorobenzene	*112*			*67.0-138*		*05/27/2023 18:50*	WG2067719
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/27/2023 18:50*	WG2067719

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	2.41	B	0.548	1.00	1	05/27/2023 20:43	WG2067719
Acrylonitrile	U		0.0760	0.500	1	05/27/2023 20:43	WG2067719
Benzene	U		0.0160	0.0400	1	05/27/2023 20:43	WG2067719
Bromobenzene	U		0.0420	0.500	1	05/27/2023 20:43	WG2067719
Bromodichloromethane	U		0.0315	0.100	1	05/27/2023 20:43	WG2067719
Bromoform	U		0.239	1.00	1	05/27/2023 20:43	WG2067719
Bromomethane	U		0.148	0.500	1	05/27/2023 20:43	WG2067719
n-Butylbenzene	U		0.153	0.500	1	05/27/2023 20:43	WG2067719
sec-Butylbenzene	U		0.101	0.500	1	05/27/2023 20:43	WG2067719
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2023 20:43	WG2067719
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2023 20:43	WG2067719
Chlorobenzene	U		0.0229	0.100	1	05/27/2023 20:43	WG2067719
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2023 20:43	WG2067719
Chloroethane	U		0.0432	0.200	1	05/27/2023 20:43	WG2067719
Chloroform	U		0.0166	0.100	1	05/27/2023 20:43	WG2067719
Chloromethane	U		0.0556	0.500	1	05/27/2023 20:43	WG2067719
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2023 20:43	WG2067719
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2023 20:43	WG2067719
1,2-Dibromo-3-Chloropropane	U	C3 J4	0.204	1.00	1	05/27/2023 20:43	WG2067719
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2023 20:43	WG2067719
Dibromomethane	U		0.0400	0.200	1	05/27/2023 20:43	WG2067719
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2023 20:43	WG2067719
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2023 20:43	WG2067719
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2023 20:43	WG2067719
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2023 20:43	WG2067719
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2023 20:43	WG2067719
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2023 20:43	WG2067719
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2023 20:43	WG2067719
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/27/2023 20:43	WG2067719
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2023 20:43	WG2067719
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2023 20:43	WG2067719
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2023 20:43	WG2067719
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2023 20:43	WG2067719
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2023 20:43	WG2067719
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2023 20:43	WG2067719
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2023 20:43	WG2067719
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2023 20:43	WG2067719
Ethylbenzene	U		0.0212	0.100	1	05/27/2023 20:43	WG2067719
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	05/27/2023 20:43	WG2067719
Isopropylbenzene	U		0.0345	0.100	1	05/27/2023 20:43	WG2067719
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2023 20:43	WG2067719
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2023 20:43	WG2067719
Methylene Chloride	U		0.265	1.00	1	05/27/2023 20:43	WG2067719
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2023 20:43	WG2067719
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2023 20:43	WG2067719
Naphthalene	U	C3 J3 J4	0.124	0.500	1	05/27/2023 20:43	WG2067719
n-Propylbenzene	U		0.0472	0.200	1	05/27/2023 20:43	WG2067719
Styrene	U		0.109	0.500	1	05/27/2023 20:43	WG2067719
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2023 20:43	WG2067719
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2023 20:43	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2023 20:43	WG2067719
Tetrachloroethene	U		0.0280	0.100	1	05/27/2023 20:43	WG2067719
Toluene	U		0.0500	0.200	1	05/27/2023 20:43	WG2067719
1,2,3-Trichlorobenzene	U	C3 J3 J4	0.0250	0.500	1	05/27/2023 20:43	WG2067719
1,2,4-Trichlorobenzene	U	C3 J4	0.193	0.500	1	05/27/2023 20:43	WG2067719
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2023 20:43	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 20:43	WG2067719
Trichloroethene	U		0.0160	0.0400	1	05/27/2023 20:43	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 20:43	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 20:43	WG2067719
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2023 20:43	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 20:43	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 20:43	WG2067719
Vinyl chloride	U		0.0273	0.100	1	05/27/2023 20:43	WG2067719
Xylenes, Total	U		0.191	0.260	1	05/27/2023 20:43	WG2067719
Ethyl Ether	U		0.0170	0.100	1	05/27/2023 20:43	WG2067719
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2023 20:43	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 20:43	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 20:43	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 20:43	WG2067719
(S) Toluene-d8	*107*			*75.0-131*		*05/27/2023 20:43*	WG2067719
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/27/2023 20:43*	WG2067719
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/27/2023 20:43*	WG2067719

Volatile 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	T8	2.74	5.00	5	06/02/2023 15:11	WG2069133
Acrylonitrile	U	T8	0.380	2.50	5	06/02/2023 15:11	WG2069133
Benzene	0.135	J T8	0.0800	0.200	5	06/02/2023 15:11	WG2069133
Bromobenzene	U	T8	0.210	2.50	5	06/02/2023 15:11	WG2069133
Bromodichloromethane	U	T8	0.158	0.500	5	06/02/2023 15:11	WG2069133
Bromoform	U	T8	1.20	5.00	5	06/02/2023 15:11	WG2069133
Bromomethane	U	C3 T8	0.740	2.50	5	06/02/2023 15:11	WG2069133
n-Butylbenzene	U	T8	0.765	2.50	5	06/02/2023 15:11	WG2069133
sec-Butylbenzene	U	T8	0.505	2.50	5	06/02/2023 15:11	WG2069133
tert-Butylbenzene	U	T8	0.310	1.00	5	06/02/2023 15:11	WG2069133
Carbon tetrachloride	U	T8	0.216	1.00	5	06/02/2023 15:11	WG2069133
Chlorobenzene	U	T8	0.115	0.500	5	06/02/2023 15:11	WG2069133
Chlorodibromomethane	U	T8	0.0900	0.500	5	06/02/2023 15:11	WG2069133
Chloroethane	U	T8	0.216	1.00	5	06/02/2023 15:11	WG2069133
Chloroform	U	T8	0.0830	0.500	5	06/02/2023 15:11	WG2069133
Chloromethane	U	T8	0.278	2.50	5	06/02/2023 15:11	WG2069133
2-Chlorotoluene	U	T8	0.184	0.500	5	06/02/2023 15:11	WG2069133
4-Chlorotoluene	U	T8	0.226	1.00	5	06/02/2023 15:11	WG2069133
1,2-Dibromo-3-Chloropropane	U	T8	1.02	5.00	5	06/02/2023 15:11	WG2069133
1,2-Dibromoethane	U	T8	0.105	0.500	5	06/02/2023 15:11	WG2069133
Dibromomethane	U	T8	0.200	1.00	5	06/02/2023 15:11	WG2069133
1,2-Dichlorobenzene	U	T8	0.290	1.00	5	06/02/2023 15:11	WG2069133
1,3-Dichlorobenzene	U	T8	0.340	1.00	5	06/02/2023 15:11	WG2069133
1,4-Dichlorobenzene	U	T8	0.394	1.00	5	06/02/2023 15:11	WG2069133
Dichlorodifluoromethane	U	T8	0.164	0.500	5	06/02/2023 15:11	WG2069133
1,1-Dichloroethane	U	T8	0.115	0.500	5	06/02/2023 15:11	WG2069133
1,2-Dichloroethane	U	T8	0.0950	0.500	5	06/02/2023 15:11	WG2069133
1,1-Dichloroethene	U	T8	0.100	0.500	5	06/02/2023 15:11	WG2069133
cis-1,2-Dichloroethene	8.65	T8	0.138	0.500	5	06/02/2023 15:11	WG2069133
trans-1,2-Dichloroethene	U	T8	0.286	1.00	5	06/02/2023 15:11	WG2069133
1,2-Dichloropropane	U	T8	0.254	1.00	5	06/02/2023 15:11	WG2069133
1,1-Dichloropropene	U	T8	0.140	0.500	5	06/02/2023 15:11	WG2069133
1,3-Dichloropropane	U	T8	0.350	1.00	5	06/02/2023 15:11	WG2069133
cis-1,3-Dichloropropene	U	T8	0.136	0.500	5	06/02/2023 15:11	WG2069133
trans-1,3-Dichloropropene	U	T8	0.306	1.00	5	06/02/2023 15:11	WG2069133
2,2-Dichloropropane	U	J3 T8	0.159	0.500	5	06/02/2023 15:11	WG2069133
Di-isopropyl ether	U	T8	0.0700	0.200	5	06/02/2023 15:11	WG2069133
Ethylbenzene	U	T8	0.106	0.500	5	06/02/2023 15:11	WG2069133
Hexachloro-1,3-butadiene	U	T8	2.54	5.00	5	06/02/2023 15:11	WG2069133
Isopropylbenzene	U	T8	0.173	0.500	5	06/02/2023 15:11	WG2069133
p-Isopropyltoluene	U	T8	0.466	1.00	5	06/02/2023 15:11	WG2069133
2-Butanone (MEK)	18.0	T8	2.50	5.00	5	06/02/2023 15:11	WG2069133
Methylene Chloride	U	T8	1.33	5.00	5	06/02/2023 15:11	WG2069133
4-Methyl-2-pentanone (MIBK)	U	T8	2.00	5.00	5	06/02/2023 15:11	WG2069133
Methyl tert-butyl ether	U	T8	0.0590	0.200	5	06/02/2023 15:11	WG2069133
Naphthalene	U	T8	0.620	2.50	5	06/02/2023 15:11	WG2069133
n-Propylbenzene	U	T8	0.236	1.00	5	06/02/2023 15:11	WG2069133
Styrene	U	T8	0.545	2.50	5	06/02/2023 15:11	WG2069133
1,1,1,2-Tetrachloroethane	U	T8	0.100	0.500	5	06/02/2023 15:11	WG2069133
1,1,2,2-Tetrachloroethane	U	T8	0.0780	0.500	5	06/02/2023 15:11	WG2069133
1,1,2-Trichlorotrifluoroethane	U	T8	0.135	0.500	5	06/02/2023 15:11	WG2069133
Tetrachloroethene	2.78	T8	0.140	0.500	5	06/02/2023 15:11	WG2069133
Toluene	0.280	J T8	0.250	1.00	5	06/02/2023 15:11	WG2069133
1,2,3-Trichlorobenzene	U	T8	0.125	2.50	5	06/02/2023 15:11	WG2069133
1,2,4-Trichlorobenzene	U	T8	0.965	2.50	5	06/02/2023 15:11	WG2069133
1,1,1-Trichloroethane	U	T8	0.0550	0.500	5	06/02/2023 15:11	WG2069133

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U	T8	0.177	0.500	5	06/02/2023 15:11	WG2069133
Trichloroethene	0.900	T8	0.0800	0.200	5	06/02/2023 15:11	WG2069133
Trichlorofluoromethane	U	T8	0.100	0.500	5	06/02/2023 15:11	WG2069133
1,2,3-Trichloropropane	U	T8	1.02	2.50	5	06/02/2023 15:11	WG2069133
1,2,4-Trimethylbenzene	0.850	B J T8	0.232	1.00	5	06/02/2023 15:11	WG2069133
1,2,3-Trimethylbenzene	U	T8	0.230	1.00	5	06/02/2023 15:11	WG2069133
1,3,5-Trimethylbenzene	U	T8	0.216	1.00	5	06/02/2023 15:11	WG2069133
Vinyl chloride	116	T8	0.137	0.500	5	06/02/2023 15:11	WG2069133
Xylenes, Total	U	T8	0.955	1.30	5	06/02/2023 15:11	WG2069133
Ethyl Ether	U	T8	0.0850	0.500	5	06/02/2023 15:11	WG2069133
Tetrahydrofuran	1.79	J T8	0.450	2.50	5	06/02/2023 15:11	WG2069133
Iodomethane	U	T8	1.21	2.50	5	06/02/2023 15:11	WG2069133
Allyl chloride	U	T8	2.90	5.00	5	06/02/2023 15:11	WG2069133
Trans-1,4-Dichloro-2-butene	U	T8	0.280	1.00	5	06/02/2023 15:11	WG2069133
(S) Toluene-d8	*95.4*			*75.0-131*		*06/02/2023 15:11*	WG2069133
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*06/02/2023 15:11*	WG2069133
(S) 1,2-Dichloroethane-d4	*91.9*			*70.0-130*		*06/02/2023 15:11*	WG2069133

Sample Narrative:

L1618697-12 WG2069133: Lowest possible dilution due to sample foaming.

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	2.63	B	0.548	1.00	1	05/27/2023 21:01	WG2067719
Acrylonitrile	U		0.0760	0.500	1	05/27/2023 21:01	WG2067719
Benzene	U		0.0160	0.0400	1	05/27/2023 21:01	WG2067719
Bromobenzene	U		0.0420	0.500	1	05/27/2023 21:01	WG2067719
Bromodichloromethane	U		0.0315	0.100	1	05/27/2023 21:01	WG2067719
Bromoform	U		0.239	1.00	1	05/27/2023 21:01	WG2067719
Bromomethane	U		0.148	0.500	1	05/27/2023 21:01	WG2067719
n-Butylbenzene	U		0.153	0.500	1	05/27/2023 21:01	WG2067719
sec-Butylbenzene	U		0.101	0.500	1	05/27/2023 21:01	WG2067719
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2023 21:01	WG2067719
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2023 21:01	WG2067719
Chlorobenzene	U		0.0229	0.100	1	05/27/2023 21:01	WG2067719
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2023 21:01	WG2067719
Chloroethane	U		0.0432	0.200	1	05/27/2023 21:01	WG2067719
Chloroform	U		0.0166	0.100	1	05/27/2023 21:01	WG2067719
Chloromethane	U		0.0556	0.500	1	05/27/2023 21:01	WG2067719
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2023 21:01	WG2067719
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2023 21:01	WG2067719
1,2-Dibromo-3-Chloropropane	U	C3 J4	0.204	1.00	1	05/27/2023 21:01	WG2067719
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2023 21:01	WG2067719
Dibromomethane	U		0.0400	0.200	1	05/27/2023 21:01	WG2067719
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2023 21:01	WG2067719
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2023 21:01	WG2067719
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2023 21:01	WG2067719
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2023 21:01	WG2067719
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2023 21:01	WG2067719
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2023 21:01	WG2067719
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2023 21:01	WG2067719
cis-1,2-Dichloroethene	0.383		0.0276	0.100	1	05/27/2023 21:01	WG2067719
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2023 21:01	WG2067719
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2023 21:01	WG2067719
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2023 21:01	WG2067719
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2023 21:01	WG2067719
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2023 21:01	WG2067719
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2023 21:01	WG2067719
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2023 21:01	WG2067719
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2023 21:01	WG2067719
Ethylbenzene	U		0.0212	0.100	1	05/27/2023 21:01	WG2067719
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	05/27/2023 21:01	WG2067719
Isopropylbenzene	U		0.0345	0.100	1	05/27/2023 21:01	WG2067719
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2023 21:01	WG2067719
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2023 21:01	WG2067719
Methylene Chloride	U		0.265	1.00	1	05/27/2023 21:01	WG2067719
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2023 21:01	WG2067719
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2023 21:01	WG2067719
Naphthalene	U	C3 J3 J4	0.124	0.500	1	05/27/2023 21:01	WG2067719
n-Propylbenzene	U		0.0472	0.200	1	05/27/2023 21:01	WG2067719
Styrene	U		0.109	0.500	1	05/27/2023 21:01	WG2067719
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2023 21:01	WG2067719
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2023 21:01	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2023 21:01	WG2067719
Tetrachloroethene	U		0.0280	0.100	1	05/27/2023 21:01	WG2067719
Toluene	U		0.0500	0.200	1	05/27/2023 21:01	WG2067719
1,2,3-Trichlorobenzene	U	C3 J3 J4	0.0250	0.500	1	05/27/2023 21:01	WG2067719
1,2,4-Trichlorobenzene	U	C3 J4	0.193	0.500	1	05/27/2023 21:01	WG2067719
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2023 21:01	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 21:01	WG2067719
Trichloroethene	U		0.0160	0.0400	1	05/27/2023 21:01	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 21:01	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 21:01	WG2067719
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2023 21:01	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 21:01	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 21:01	WG2067719
Vinyl chloride	3.09		0.0273	0.100	1	05/27/2023 21:01	WG2067719
Xylenes, Total	U		0.191	0.260	1	05/27/2023 21:01	WG2067719
Ethyl Ether	0.105		0.0170	0.100	1	05/27/2023 21:01	WG2067719
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2023 21:01	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 21:01	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 21:01	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 21:01	WG2067719
(S) Toluene-d8	*101*			*75.0-131*		*05/27/2023 21:01*	WG2067719
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*05/27/2023 21:01*	WG2067719
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/27/2023 21:01*	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	24.9	B J	13.7	25.0	25	05/27/2023 23:33	WG2067719
Acrylonitrile	U		1.90	12.5	25	05/27/2023 23:33	WG2067719
Benzene	1.20		0.400	1.00	25	05/27/2023 23:33	WG2067719
Bromobenzene	U		1.05	12.5	25	05/27/2023 23:33	WG2067719
Bromodichloromethane	U		0.788	2.50	25	05/27/2023 23:33	WG2067719
Bromoform	U		5.98	25.0	25	05/27/2023 23:33	WG2067719
Bromomethane	U		3.70	12.5	25	05/27/2023 23:33	WG2067719
n-Butylbenzene	U		3.83	12.5	25	05/27/2023 23:33	WG2067719
sec-Butylbenzene	U		2.53	12.5	25	05/27/2023 23:33	WG2067719
tert-Butylbenzene	U		1.55	5.00	25	05/27/2023 23:33	WG2067719
Carbon tetrachloride	U		1.08	5.00	25	05/27/2023 23:33	WG2067719
Chlorobenzene	U		0.573	2.50	25	05/27/2023 23:33	WG2067719
Chlorodibromomethane	U		0.450	2.50	25	05/27/2023 23:33	WG2067719
Chloroethane	U		1.08	5.00	25	05/27/2023 23:33	WG2067719
Chloroform	U		0.415	2.50	25	05/27/2023 23:33	WG2067719
Chloromethane	U		1.39	12.5	25	05/27/2023 23:33	WG2067719
2-Chlorotoluene	U		0.920	2.50	25	05/27/2023 23:33	WG2067719
4-Chlorotoluene	U		1.13	5.00	25	05/27/2023 23:33	WG2067719
1,2-Dibromo-3-Chloropropane	U	C3 J4	5.10	25.0	25	05/27/2023 23:33	WG2067719
1,2-Dibromoethane	U		0.525	2.50	25	05/27/2023 23:33	WG2067719
Dibromomethane	U		1.00	5.00	25	05/27/2023 23:33	WG2067719
1,2-Dichlorobenzene	U		1.45	5.00	25	05/27/2023 23:33	WG2067719
1,3-Dichlorobenzene	U		1.70	5.00	25	05/27/2023 23:33	WG2067719
1,4-Dichlorobenzene	U		1.97	5.00	25	05/27/2023 23:33	WG2067719
Dichlorodifluoromethane	U		0.818	2.50	25	05/27/2023 23:33	WG2067719
1,1-Dichloroethane	U		0.575	2.50	25	05/27/2023 23:33	WG2067719
1,2-Dichloroethane	U		0.475	2.50	25	05/27/2023 23:33	WG2067719
1,1-Dichloroethene	4.98		0.500	2.50	25	05/27/2023 23:33	WG2067719
cis-1,2-Dichloroethene	2090		0.690	2.50	25	05/27/2023 23:33	WG2067719
trans-1,2-Dichloroethene	6.93		1.43	5.00	25	05/27/2023 23:33	WG2067719
1,2-Dichloropropane	U		1.27	5.00	25	05/27/2023 23:33	WG2067719
1,1-Dichloropropene	U		0.700	2.50	25	05/27/2023 23:33	WG2067719
1,3-Dichloropropane	U		1.75	5.00	25	05/27/2023 23:33	WG2067719
cis-1,3-Dichloropropene	U		0.678	2.50	25	05/27/2023 23:33	WG2067719
trans-1,3-Dichloropropene	U		1.53	5.00	25	05/27/2023 23:33	WG2067719
2,2-Dichloropropane	U		0.793	2.50	25	05/27/2023 23:33	WG2067719
Di-isopropyl ether	U		0.350	1.00	25	05/27/2023 23:33	WG2067719
Ethylbenzene	U		0.530	2.50	25	05/27/2023 23:33	WG2067719
Hexachloro-1,3-butadiene	U	C3	12.7	25.0	25	05/27/2023 23:33	WG2067719
Isopropylbenzene	U		0.863	2.50	25	05/27/2023 23:33	WG2067719
p-Isopropyltoluene	U		2.33	5.00	25	05/27/2023 23:33	WG2067719
2-Butanone (MEK)	U		12.5	25.0	25	05/27/2023 23:33	WG2067719
Methylene Chloride	U		6.63	25.0	25	05/27/2023 23:33	WG2067719
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	05/27/2023 23:33	WG2067719
Methyl tert-butyl ether	U		0.295	1.00	25	05/27/2023 23:33	WG2067719
Naphthalene	U	C3 J3 J4	3.10	12.5	25	05/27/2023 23:33	WG2067719
n-Propylbenzene	U		1.18	5.00	25	05/27/2023 23:33	WG2067719
Styrene	U		2.73	12.5	25	05/27/2023 23:33	WG2067719
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	05/27/2023 23:33	WG2067719
1,1,2,2-Tetrachloroethane	U	C3	0.390	2.50	25	05/27/2023 23:33	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	05/27/2023 23:33	WG2067719
Tetrachloroethene	U		0.700	2.50	25	05/27/2023 23:33	WG2067719
Toluene	U		1.25	5.00	25	05/27/2023 23:33	WG2067719
1,2,3-Trichlorobenzene	U	C3 J3 J4	0.625	12.5	25	05/27/2023 23:33	WG2067719
1,2,4-Trichlorobenzene	U	C3 J4	4.83	12.5	25	05/27/2023 23:33	WG2067719
1,1,1-Trichloroethane	U		0.275	2.50	25	05/27/2023 23:33	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.883	2.50	25	05/27/2023 23:33	WG2067719
Trichloroethene	U		0.400	1.00	25	05/27/2023 23:33	WG2067719
Trichlorofluoromethane	U		0.500	2.50	25	05/27/2023 23:33	WG2067719
1,2,3-Trichloropropane	U		5.10	12.5	25	05/27/2023 23:33	WG2067719
1,2,4-Trimethylbenzene	U		1.16	5.00	25	05/27/2023 23:33	WG2067719
1,2,3-Trimethylbenzene	U		1.15	5.00	25	05/27/2023 23:33	WG2067719
1,3,5-Trimethylbenzene	U		1.08	5.00	25	05/27/2023 23:33	WG2067719
Vinyl chloride	95.3		0.682	2.50	25	05/27/2023 23:33	WG2067719
Xylenes, Total	U		4.78	6.50	25	05/27/2023 23:33	WG2067719
Ethyl Ether	U		0.425	2.50	25	05/27/2023 23:33	WG2067719
Tetrahydrofuran	U		2.25	12.5	25	05/27/2023 23:33	WG2067719
Iodomethane	U		6.05	12.5	25	05/27/2023 23:33	WG2067719
Allyl chloride	U		14.5	25.0	25	05/27/2023 23:33	WG2067719
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	05/27/2023 23:33	WG2067719
(S) Toluene-d8	*103*			*75.0-131*		*05/27/2023 23:33*	WG2067719
(S) 4-Bromofluorobenzene	*98.9*			*67.0-138*		*05/27/2023 23:33*	WG2067719
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/27/2023 23:33*	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.89	B	0.548	1.00	1	05/27/2023 21:20	WG2067719
Acrylonitrile	U		0.0760	0.500	1	05/27/2023 21:20	WG2067719
Benzene	0.159		0.0160	0.0400	1	05/27/2023 21:20	WG2067719
Bromobenzene	U		0.0420	0.500	1	05/27/2023 21:20	WG2067719
Bromodichloromethane	U		0.0315	0.100	1	05/27/2023 21:20	WG2067719
Bromoform	U		0.239	1.00	1	05/27/2023 21:20	WG2067719
Bromomethane	U		0.148	0.500	1	05/27/2023 21:20	WG2067719
n-Butylbenzene	U		0.153	0.500	1	05/27/2023 21:20	WG2067719
sec-Butylbenzene	U		0.101	0.500	1	05/27/2023 21:20	WG2067719
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2023 21:20	WG2067719
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2023 21:20	WG2067719
Chlorobenzene	U		0.0229	0.100	1	05/27/2023 21:20	WG2067719
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2023 21:20	WG2067719
Chloroethane	U		0.0432	0.200	1	05/27/2023 21:20	WG2067719
Chloroform	U		0.0166	0.100	1	05/27/2023 21:20	WG2067719
Chloromethane	U		0.0556	0.500	1	05/27/2023 21:20	WG2067719
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2023 21:20	WG2067719
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2023 21:20	WG2067719
1,2-Dibromo-3-Chloropropane	U	C3 J4	0.204	1.00	1	05/27/2023 21:20	WG2067719
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2023 21:20	WG2067719
Dibromomethane	U		0.0400	0.200	1	05/27/2023 21:20	WG2067719
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2023 21:20	WG2067719
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2023 21:20	WG2067719
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2023 21:20	WG2067719
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2023 21:20	WG2067719
1,1-Dichloroethane	0.0760	J	0.0230	0.100	1	05/27/2023 21:20	WG2067719
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2023 21:20	WG2067719
1,1-Dichloroethene	0.184		0.0200	0.100	1	05/27/2023 21:20	WG2067719
cis-1,2-Dichloroethene	4.17		0.0276	0.100	1	05/27/2023 21:20	WG2067719
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2023 21:20	WG2067719
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2023 21:20	WG2067719
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2023 21:20	WG2067719
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2023 21:20	WG2067719
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2023 21:20	WG2067719
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2023 21:20	WG2067719
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2023 21:20	WG2067719
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2023 21:20	WG2067719
Ethylbenzene	U		0.0212	0.100	1	05/27/2023 21:20	WG2067719
Hexachloro-1,3-butadiene	U	C3	0.508	1.00	1	05/27/2023 21:20	WG2067719
Isopropylbenzene	U		0.0345	0.100	1	05/27/2023 21:20	WG2067719
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2023 21:20	WG2067719
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2023 21:20	WG2067719
Methylene Chloride	U		0.265	1.00	1	05/27/2023 21:20	WG2067719
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2023 21:20	WG2067719
Methyl tert-butyl ether	0.0400	J	0.0118	0.0400	1	05/27/2023 21:20	WG2067719
Naphthalene	U	C3 J3 J4	0.124	0.500	1	05/27/2023 21:20	WG2067719
n-Propylbenzene	U		0.0472	0.200	1	05/27/2023 21:20	WG2067719
Styrene	U		0.109	0.500	1	05/27/2023 21:20	WG2067719
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2023 21:20	WG2067719
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/27/2023 21:20	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2023 21:20	WG2067719
Tetrachloroethene	U		0.0280	0.100	1	05/27/2023 21:20	WG2067719
Toluene	U		0.0500	0.200	1	05/27/2023 21:20	WG2067719
1,2,3-Trichlorobenzene	U	C3 J3 J4	0.0250	0.500	1	05/27/2023 21:20	WG2067719
1,2,4-Trichlorobenzene	U	C3 J4	0.193	0.500	1	05/27/2023 21:20	WG2067719
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2023 21:20	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 21:20	WG2067719
Trichloroethene	0.490		0.0160	0.0400	1	05/27/2023 21:20	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 21:20	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 21:20	WG2067719
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2023 21:20	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 21:20	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 21:20	WG2067719
Vinyl chloride	3.37		0.0273	0.100	1	05/27/2023 21:20	WG2067719
Xylenes, Total	U		0.191	0.260	1	05/27/2023 21:20	WG2067719
Ethyl Ether	U		0.0170	0.100	1	05/27/2023 21:20	WG2067719
Tetrahydrofuran	0.223	J	0.0900	0.500	1	05/27/2023 21:20	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 21:20	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 21:20	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 21:20	WG2067719
(S) Toluene-d8	*102*			*75.0-131*		*05/27/2023 21:20*	WG2067719
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/27/2023 21:20*	WG2067719
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/27/2023 21:20*	WG2067719

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	T8	11.0	20.0	20	06/02/2023 15:30	WG2069133
Acrylonitrile	U	T8	1.52	10.0	20	06/02/2023 15:30	WG2069133
Benzene	5.12	T8	0.320	0.800	20	06/02/2023 15:30	WG2069133
Bromobenzene	U	T8	0.840	10.0	20	06/02/2023 15:30	WG2069133
Bromodichloromethane	U	T8	0.630	2.00	20	06/02/2023 15:30	WG2069133
Bromoform	U	T8	4.78	20.0	20	06/02/2023 15:30	WG2069133
Bromomethane	U	C3 T8	2.96	10.0	20	06/02/2023 15:30	WG2069133
n-Butylbenzene	U	T8	3.06	10.0	20	06/02/2023 15:30	WG2069133
sec-Butylbenzene	U	T8	2.02	10.0	20	06/02/2023 15:30	WG2069133
tert-Butylbenzene	U	T8	1.24	4.00	20	06/02/2023 15:30	WG2069133
Carbon tetrachloride	U	T8	0.864	4.00	20	06/02/2023 15:30	WG2069133
Chlorobenzene	U	T8	0.458	2.00	20	06/02/2023 15:30	WG2069133
Chlorodibromomethane	U	T8	0.360	2.00	20	06/02/2023 15:30	WG2069133
Chloroethane	U	T8	0.864	4.00	20	06/02/2023 15:30	WG2069133
Chloroform	U	T8	0.332	2.00	20	06/02/2023 15:30	WG2069133
Chloromethane	U	T8	1.11	10.0	20	06/02/2023 15:30	WG2069133
2-Chlorotoluene	U	T8	0.736	2.00	20	06/02/2023 15:30	WG2069133
4-Chlorotoluene	U	T8	0.904	4.00	20	06/02/2023 15:30	WG2069133
1,2-Dibromo-3-Chloropropane	U	T8	4.08	20.0	20	06/02/2023 15:30	WG2069133
1,2-Dibromoethane	U	T8	0.420	2.00	20	06/02/2023 15:30	WG2069133
Dibromomethane	U	T8	0.800	4.00	20	06/02/2023 15:30	WG2069133
1,2-Dichlorobenzene	U	T8	1.16	4.00	20	06/02/2023 15:30	WG2069133
1,3-Dichlorobenzene	U	T8	1.36	4.00	20	06/02/2023 15:30	WG2069133
1,4-Dichlorobenzene	U	T8	1.58	4.00	20	06/02/2023 15:30	WG2069133
Dichlorodifluoromethane	U	T8	0.654	2.00	20	06/02/2023 15:30	WG2069133
1,1-Dichloroethane	U	T8	0.460	2.00	20	06/02/2023 15:30	WG2069133
1,2-Dichloroethane	U	T8	0.380	2.00	20	06/02/2023 15:30	WG2069133
1,1-Dichloroethene	1.72	J T8	0.400	2.00	20	06/02/2023 15:30	WG2069133
cis-1,2-Dichloroethene	729	T8	0.552	2.00	20	06/02/2023 15:30	WG2069133
trans-1,2-Dichloroethene	2.64	J T8	1.14	4.00	20	06/02/2023 15:30	WG2069133
1,2-Dichloropropane	U	T8	1.02	4.00	20	06/02/2023 15:30	WG2069133
1,1-Dichloropropene	U	T8	0.560	2.00	20	06/02/2023 15:30	WG2069133
1,3-Dichloropropane	U	T8	1.40	4.00	20	06/02/2023 15:30	WG2069133
cis-1,3-Dichloropropene	U	T8	0.542	2.00	20	06/02/2023 15:30	WG2069133
trans-1,3-Dichloropropene	U	T8	1.22	4.00	20	06/02/2023 15:30	WG2069133
2,2-Dichloropropane	U	J3 T8	0.634	2.00	20	06/02/2023 15:30	WG2069133
Di-isopropyl ether	U	T8	0.280	0.800	20	06/02/2023 15:30	WG2069133
Ethylbenzene	U	T8	0.424	2.00	20	06/02/2023 15:30	WG2069133
Hexachloro-1,3-butadiene	U	T8	10.2	20.0	20	06/02/2023 15:30	WG2069133
Isopropylbenzene	U	T8	0.690	2.00	20	06/02/2023 15:30	WG2069133
p-Isopropyltoluene	U	T8	1.86	4.00	20	06/02/2023 15:30	WG2069133
2-Butanone (MEK)	U	T8	10.0	20.0	20	06/02/2023 15:30	WG2069133
Methylene Chloride	U	T8	5.30	20.0	20	06/02/2023 15:30	WG2069133
4-Methyl-2-pentanone (MIBK)	U	T8	8.00	20.0	20	06/02/2023 15:30	WG2069133
Methyl tert-butyl ether	U	T8	0.236	0.800	20	06/02/2023 15:30	WG2069133
Naphthalene	U	T8	2.48	10.0	20	06/02/2023 15:30	WG2069133
n-Propylbenzene	U	T8	0.944	4.00	20	06/02/2023 15:30	WG2069133
Styrene	U	T8	2.18	10.0	20	06/02/2023 15:30	WG2069133
1,1,1,2-Tetrachloroethane	U	T8	0.400	2.00	20	06/02/2023 15:30	WG2069133
1,1,2,2-Tetrachloroethane	U	T8	0.312	2.00	20	06/02/2023 15:30	WG2069133
1,1,2-Trichlorotrifluoroethane	U	T8	0.540	2.00	20	06/02/2023 15:30	WG2069133
Tetrachloroethene	U	T8	0.560	2.00	20	06/02/2023 15:30	WG2069133
Toluene	U	T8	1.00	4.00	20	06/02/2023 15:30	WG2069133
1,2,3-Trichlorobenzene	U	T8	0.500	10.0	20	06/02/2023 15:30	WG2069133
1,2,4-Trichlorobenzene	U	T8	3.86	10.0	20	06/02/2023 15:30	WG2069133
1,1,1-Trichloroethane	U	T8	0.220	2.00	20	06/02/2023 15:30	WG2069133

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U	T8	0.706	2.00	20	06/02/2023 15:30	WG2069133
Trichloroethene	1.08	T8	0.320	0.800	20	06/02/2023 15:30	WG2069133
Trichlorofluoromethane	U	T8	0.400	2.00	20	06/02/2023 15:30	WG2069133
1,2,3-Trichloropropane	U	T8	4.08	10.0	20	06/02/2023 15:30	WG2069133
1,2,4-Trimethylbenzene	3.20	B J T8	0.928	4.00	20	06/02/2023 15:30	WG2069133
1,2,3-Trimethylbenzene	U	T8	0.920	4.00	20	06/02/2023 15:30	WG2069133
1,3,5-Trimethylbenzene	U	T8	0.864	4.00	20	06/02/2023 15:30	WG2069133
Vinyl chloride	111	T8	0.546	2.00	20	06/02/2023 15:30	WG2069133
Xylenes, Total	U	T8	3.82	5.20	20	06/02/2023 15:30	WG2069133
Ethyl Ether	U	T8	0.340	2.00	20	06/02/2023 15:30	WG2069133
Tetrahydrofuran	U	T8	1.80	10.0	20	06/02/2023 15:30	WG2069133
Iodomethane	U	T8	4.84	10.0	20	06/02/2023 15:30	WG2069133
Allyl chloride	U	T8	11.6	20.0	20	06/02/2023 15:30	WG2069133
Trans-1,4-Dichloro-2-butene	U	T8	1.12	4.00	20	06/02/2023 15:30	WG2069133
(S) Toluene-d8	*94.6*			*75.0-131*		*06/02/2023 15:30*	WG2069133
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/02/2023 15:30*	WG2069133
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*06/02/2023 15:30*	WG2069133

Sample Narrative:

L1618697-16 WG2069133: 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	18.8	B J	11.0	20.0	20	05/28/2023 00:11	WG2067719
Acrylonitrile	U		1.52	10.0	20	05/28/2023 00:11	WG2067719
Benzene	U		0.320	0.800	20	05/28/2023 00:11	WG2067719
Bromobenzene	U		0.840	10.0	20	05/28/2023 00:11	WG2067719
Bromodichloromethane	U		0.630	2.00	20	05/28/2023 00:11	WG2067719
Bromoform	U		4.78	20.0	20	05/28/2023 00:11	WG2067719
Bromomethane	U		2.96	10.0	20	05/28/2023 00:11	WG2067719
n-Butylbenzene	U		3.06	10.0	20	05/28/2023 00:11	WG2067719
sec-Butylbenzene	U		2.02	10.0	20	05/28/2023 00:11	WG2067719
tert-Butylbenzene	U		1.24	4.00	20	05/28/2023 00:11	WG2067719
Carbon tetrachloride	U		0.864	4.00	20	05/28/2023 00:11	WG2067719
Chlorobenzene	U		0.458	2.00	20	05/28/2023 00:11	WG2067719
Chlorodibromomethane	U		0.360	2.00	20	05/28/2023 00:11	WG2067719
Chloroethane	U		0.864	4.00	20	05/28/2023 00:11	WG2067719
Chloroform	U		0.332	2.00	20	05/28/2023 00:11	WG2067719
Chloromethane	U		1.11	10.0	20	05/28/2023 00:11	WG2067719
2-Chlorotoluene	U		0.736	2.00	20	05/28/2023 00:11	WG2067719
4-Chlorotoluene	U		0.904	4.00	20	05/28/2023 00:11	WG2067719
1,2-Dibromo-3-Chloropropane	U	C3 J4	4.08	20.0	20	05/28/2023 00:11	WG2067719
1,2-Dibromoethane	U		0.420	2.00	20	05/28/2023 00:11	WG2067719
Dibromomethane	U		0.800	4.00	20	05/28/2023 00:11	WG2067719
1,2-Dichlorobenzene	U		1.16	4.00	20	05/28/2023 00:11	WG2067719
1,3-Dichlorobenzene	U		1.36	4.00	20	05/28/2023 00:11	WG2067719
1,4-Dichlorobenzene	U		1.58	4.00	20	05/28/2023 00:11	WG2067719
Dichlorodifluoromethane	U		0.654	2.00	20	05/28/2023 00:11	WG2067719
1,1-Dichloroethane	U		0.460	2.00	20	05/28/2023 00:11	WG2067719
1,2-Dichloroethane	U		0.380	2.00	20	05/28/2023 00:11	WG2067719
1,1-Dichloroethene	2.38		0.400	2.00	20	05/28/2023 00:11	WG2067719
cis-1,2-Dichloroethene	535		0.552	2.00	20	05/28/2023 00:11	WG2067719
trans-1,2-Dichloroethene	U		1.14	4.00	20	05/28/2023 00:11	WG2067719
1,2-Dichloropropane	U		1.02	4.00	20	05/28/2023 00:11	WG2067719
1,1-Dichloropropene	U		0.560	2.00	20	05/28/2023 00:11	WG2067719
1,3-Dichloropropane	U		1.40	4.00	20	05/28/2023 00:11	WG2067719
cis-1,3-Dichloropropene	U		0.542	2.00	20	05/28/2023 00:11	WG2067719
trans-1,3-Dichloropropene	U		1.22	4.00	20	05/28/2023 00:11	WG2067719
2,2-Dichloropropane	U		0.634	2.00	20	05/28/2023 00:11	WG2067719
Di-isopropyl ether	U		0.280	0.800	20	05/28/2023 00:11	WG2067719
Ethylbenzene	U		0.424	2.00	20	05/28/2023 00:11	WG2067719
Hexachloro-1,3-butadiene	U	C3	10.2	20.0	20	05/28/2023 00:11	WG2067719
Isopropylbenzene	U		0.690	2.00	20	05/28/2023 00:11	WG2067719
p-Isopropyltoluene	U		1.86	4.00	20	05/28/2023 00:11	WG2067719
2-Butanone (MEK)	U		10.0	20.0	20	05/28/2023 00:11	WG2067719
Methylene Chloride	U		5.30	20.0	20	05/28/2023 00:11	WG2067719
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	05/28/2023 00:11	WG2067719
Methyl tert-butyl ether	U		0.236	0.800	20	05/28/2023 00:11	WG2067719
Naphthalene	U	C3 J3 J4	2.48	10.0	20	05/28/2023 00:11	WG2067719
n-Propylbenzene	U		0.944	4.00	20	05/28/2023 00:11	WG2067719
Styrene	U		2.18	10.0	20	05/28/2023 00:11	WG2067719
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	05/28/2023 00:11	WG2067719
1,1,2,2-Tetrachloroethane	U	C3	0.312	2.00	20	05/28/2023 00:11	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	05/28/2023 00:11	WG2067719
Tetrachloroethene	U		0.560	2.00	20	05/28/2023 00:11	WG2067719
Toluene	U		1.00	4.00	20	05/28/2023 00:11	WG2067719
1,2,3-Trichlorobenzene	U	C3 J3 J4	0.500	10.0	20	05/28/2023 00:11	WG2067719
1,2,4-Trichlorobenzene	U	C3 J4	3.86	10.0	20	05/28/2023 00:11	WG2067719
1,1,1-Trichloroethane	U		0.220	2.00	20	05/28/2023 00:11	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.706	2.00	20	05/28/2023 00:11	WG2067719
Trichloroethene	U		0.320	0.800	20	05/28/2023 00:11	WG2067719
Trichlorofluoromethane	U		0.400	2.00	20	05/28/2023 00:11	WG2067719
1,2,3-Trichloropropane	U		4.08	10.0	20	05/28/2023 00:11	WG2067719
1,2,4-Trimethylbenzene	U		0.928	4.00	20	05/28/2023 00:11	WG2067719
1,2,3-Trimethylbenzene	U		0.920	4.00	20	05/28/2023 00:11	WG2067719
1,3,5-Trimethylbenzene	U		0.864	4.00	20	05/28/2023 00:11	WG2067719
Vinyl chloride	77.2		0.546	2.00	20	05/28/2023 00:11	WG2067719
Xylenes, Total	U		3.82	5.20	20	05/28/2023 00:11	WG2067719
Ethyl Ether	U		0.340	2.00	20	05/28/2023 00:11	WG2067719
Tetrahydrofuran	U		1.80	10.0	20	05/28/2023 00:11	WG2067719
Iodomethane	U		4.84	10.0	20	05/28/2023 00:11	WG2067719
Allyl chloride	U		11.6	20.0	20	05/28/2023 00:11	WG2067719
Trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	05/28/2023 00:11	WG2067719
(S) Toluene-d8	*103*			*75.0-131*		*05/28/2023 00:11*	WG2067719
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/28/2023 00:11*	WG2067719
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*05/28/2023 00:11*	WG2067719

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

Method Blank (MB)

(MB) R3930176-3 05/25/23 17:20

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

Method Blank (MB)

(MB) R3930176-3 05/25/23 17:20

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	0.138	J	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	*99.7*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

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

(LCS) R3930176-1 05/25/23 15:07 • (LCSD) R3930176-2 05/25/23 15:26

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	22.9	31.0	91.6	124	10.0-160			30.1	31
Acrylonitrile	25.0	26.3	27.2	105	109	45.0-153			3.36	22
Benzene	5.00	4.67	4.45	93.4	89.0	70.0-123			4.82	20
Bromobenzene	5.00	4.64	4.31	92.8	86.2	73.0-121			7.37	20
Bromodichloromethane	5.00	4.95	4.63	99.0	92.6	73.0-121			6.68	20
Bromoform	5.00	4.10	4.15	82.0	83.0	64.0-132			1.21	20
Bromomethane	5.00	4.91	4.47	98.2	89.4	56.0-147			9.38	20
n-Butylbenzene	5.00	3.71	3.95	74.2	79.0	68.0-135			6.27	20
sec-Butylbenzene	5.00	4.35	4.22	87.0	84.4	74.0-130			3.03	20
tert-Butylbenzene	5.00	4.31	4.12	86.2	82.4	75.0-127			4.51	20
Carbon tetrachloride	5.00	4.72	4.58	94.4	91.6	66.0-128			3.01	20
Chlorobenzene	5.00	4.83	4.54	96.6	90.8	76.0-128			6.19	20
Chlorodibromomethane	5.00	4.38	4.12	87.6	82.4	74.0-127			6.12	20
Chloroethane	5.00	5.58	5.48	112	110	61.0-134			1.81	20
Chloroform	5.00	4.89	4.78	97.8	95.6	72.0-123			2.28	20
Chloromethane	5.00	6.17	5.23	123	105	51.0-138			16.5	20
2-Chlorotoluene	5.00	4.27	4.17	85.4	83.4	75.0-124			2.37	20
4-Chlorotoluene	5.00	4.34	4.07	86.8	81.4	75.0-124			6.42	20
1,2-Dibromo-3-Chloropropane	5.00	3.57	3.70	71.4	74.0	59.0-130			3.58	20
1,2-Dibromoethane	5.00	4.60	4.51	92.0	90.2	74.0-128			1.98	20
Dibromomethane	5.00	5.30	5.10	106	102	75.0-122			3.85	20
1,2-Dichlorobenzene	5.00	4.33	4.15	86.6	83.0	76.0-124			4.25	20
1,3-Dichlorobenzene	5.00	4.46	4.47	89.2	89.4	76.0-125			0.224	20
1,4-Dichlorobenzene	5.00	4.47	4.42	89.4	88.4	77.0-121			1.12	20
Dichlorodifluoromethane	5.00	5.62	5.02	112	100	43.0-156			11.3	20
1,1-Dichloroethane	5.00	4.94	4.82	98.8	96.4	70.0-127			2.46	20
1,2-Dichloroethane	5.00	5.09	4.98	102	99.6	65.0-131			2.18	20
1,1-Dichloroethene	5.00	5.40	5.12	108	102	65.0-131			5.32	20
cis-1,2-Dichloroethene	5.00	4.73	4.57	94.6	91.4	73.0-125			3.44	20
trans-1,2-Dichloroethene	5.00	4.71	4.41	94.2	88.2	71.0-125			6.58	20
1,2-Dichloropropane	5.00	4.80	4.55	96.0	91.0	74.0-125			5.35	20
1,1-Dichloropropene	5.00	5.04	4.67	101	93.4	73.0-125			7.62	20
1,3-Dichloropropane	5.00	4.74	4.41	94.8	88.2	80.0-125			7.21	20
cis-1,3-Dichloropropene	5.00	4.93	4.43	98.6	88.6	76.0-127			10.7	20
trans-1,3-Dichloropropene	5.00	4.41	4.15	88.2	83.0	73.0-127			6.07	20
2,2-Dichloropropane	5.00	3.92	4.23	78.4	84.6	59.0-135			7.61	20
Di-isopropyl ether	5.00	5.07	4.96	101	99.2	60.0-136			2.19	20
Ethylbenzene	5.00	4.67	4.64	93.4	92.8	74.0-126			0.644	20
Hexachloro-1,3-butadiene	5.00	3.60	4.11	72.0	82.2	57.0-150			13.2	20
Isopropylbenzene	5.00	4.18	4.10	83.6	82.0	72.0-127			1.93	20

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

(LCS) R3930176-1 05/25/23 15:07 • (LCSD) R3930176-2 05/25/23 15:26

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	4.28	4.15	85.6	83.0	72.0-133			3.08	20
2-Butanone (MEK)	25.0	23.6	27.4	94.4	110	30.0-160			14.9	24
Methylene Chloride	5.00	5.13	4.84	103	96.8	68.0-123			5.82	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	4.33	4.53	86.6	90.6	66.0-132			4.51	20
Naphthalene	5.00	3.15	2.96	63.0	59.2	59.0-130			6.22	20
n-Propylbenzene	5.00	4.14	4.05	82.8	81.0	74.0-126			2.20	20
Styrene	5.00	4.31	4.11	86.2	82.2	72.0-127			4.75	20
1,1,1,2-Tetrachloroethane	5.00	4.21	4.09	84.2	81.8	74.0-129			2.89	20
1,1,2,2-Tetrachloroethane	5.00	3.94	3.84	78.8	76.8	68.0-128			2.57	20
1,1,2-Trichlorotrifluoroethane	5.00	5.00	4.60	100	92.0	61.0-139			8.33	20
Tetrachloroethene	5.00	5.11	4.84	102	96.8	70.0-136			5.43	20
Toluene	5.00	4.72	4.34	94.4	86.8	75.0-121			8.39	20
1,2,3-Trichlorobenzene	5.00	4.05	3.87	81.0	77.4	59.0-139			4.55	20
1,2,4-Trichlorobenzene	5.00	3.55	3.29	71.0	65.8	62.0-137			7.60	20
1,1,1-Trichloroethane	5.00	5.03	4.73	101	94.6	69.0-126			6.15	20
1,1,2-Trichloroethane	5.00	4.87	4.68	97.4	93.6	78.0-123			3.98	20
Trichloroethene	5.00	5.50	5.13	110	103	76.0-126			6.96	20
Trichlorofluoromethane	5.00	4.85	4.82	97.0	96.4	61.0-142			0.620	20
1,2,3-Trichloropropane	5.00	4.22	4.22	84.4	84.4	67.0-129			0.000	20
1,2,4-Trimethylbenzene	5.00	4.06	4.05	81.2	81.0	70.0-126			0.247	20
1,2,3-Trimethylbenzene	5.00	4.28	4.16	85.6	83.2	74.0-124			2.84	20
1,3,5-Trimethylbenzene	5.00	4.17	4.10	83.4	82.0	73.0-127			1.69	20
Vinyl chloride	5.00	5.63	4.98	113	99.6	63.0-134			12.3	20
Xylenes, Total	15.0	13.4	12.9	89.3	86.0	72.0-127			3.80	20
Ethyl Ether	5.00	5.01	4.85	100	97.0	64.0-137			3.25	20
Tetrahydrofuran	5.00	3.61	6.49	72.2	130	37.0-146		J3	57.0	24
Iodomethane	25.0	29.3	26.2	117	105	74.0-134			11.2	20
Allyl chloride	25.0	23.7	22.5	94.8	90.0	70.0-131			5.19	20
Trans-1,4-Dichloro-2-butene	5.00	4.01	3.79	80.2	75.8	45.0-143			5.64	20
(S) Toluene-d8				*105*	*102*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.3*	*100*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*107*	*109*	*70.0-130*				

Method Blank (MB)

(MB) R3930963-3 05/27/23 15:01

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	1.97		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	0.0380	J	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

Method Blank (MB)

(MB) R3930963-3 05/27/23 15:01

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	*117*			*70.0-130*

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

(LCS) R3930963-1 05/27/23 13:44 • (LCSD) R3930963-2 05/27/23 14:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	26.4	20.4	106	81.6	10.0-160			25.6	31
Acrylonitrile	25.0	28.2	25.6	113	102	45.0-153			9.67	22
Benzene	5.00	4.72	4.67	94.4	93.4	70.0-123			1.06	20
Bromobenzene	5.00	4.57	4.90	91.4	98.0	73.0-121			6.97	20
Bromodichloromethane	5.00	4.88	4.88	97.6	97.6	73.0-121			0.000	20
Bromoform	5.00	4.06	3.98	81.2	79.6	64.0-132			1.99	20
Bromomethane	5.00	4.53	4.43	90.6	88.6	56.0-147			2.23	20
n-Butylbenzene	5.00	4.28	4.35	85.6	87.0	68.0-135			1.62	20
sec-Butylbenzene	5.00	4.54	4.62	90.8	92.4	74.0-130			1.75	20
tert-Butylbenzene	5.00	4.55	4.70	91.0	94.0	75.0-127			3.24	20
Carbon tetrachloride	5.00	4.75	4.90	95.0	98.0	66.0-128			3.11	20
Chlorobenzene	5.00	4.73	4.70	94.6	94.0	76.0-128			0.636	20
Chlorodibromomethane	5.00	4.39	4.31	87.8	86.2	74.0-127			1.84	20
Chloroethane	5.00	5.16	5.08	103	102	61.0-134			1.56	20
Chloroform	5.00	5.00	4.82	100	96.4	72.0-123			3.67	20
Chloromethane	5.00	5.35	5.22	107	104	51.0-138			2.46	20
2-Chlorotoluene	5.00	4.36	4.56	87.2	91.2	75.0-124			4.48	20
4-Chlorotoluene	5.00	4.55	4.67	91.0	93.4	75.0-124			2.60	20
1,2-Dibromo-3-Chloropropane	5.00	2.83	3.27	56.6	65.4	59.0-130	J4		14.4	20
1,2-Dibromoethane	5.00	4.46	4.77	89.2	95.4	74.0-128			6.72	20
Dibromomethane	5.00	5.46	5.36	109	107	75.0-122			1.85	20
1,2-Dichlorobenzene	5.00	4.44	4.49	88.8	89.8	76.0-124			1.12	20
1,3-Dichlorobenzene	5.00	4.69	4.69	93.8	93.8	76.0-125			0.000	20
1,4-Dichlorobenzene	5.00	4.60	4.76	92.0	95.2	77.0-121			3.42	20
Dichlorodifluoromethane	5.00	4.87	4.77	97.4	95.4	43.0-156			2.07	20
1,1-Dichloroethane	5.00	4.99	4.99	99.8	99.8	70.0-127			0.000	20
1,2-Dichloroethane	5.00	5.31	5.30	106	106	65.0-131			0.189	20
1,1-Dichloroethene	5.00	4.98	5.24	99.6	105	65.0-131			5.09	20
cis-1,2-Dichloroethene	5.00	4.78	4.96	95.6	99.2	73.0-125			3.70	20
trans-1,2-Dichloroethene	5.00	4.62	4.64	92.4	92.8	71.0-125			0.432	20
1,2-Dichloropropane	5.00	4.84	5.03	96.8	101	74.0-125			3.85	20
1,1-Dichloropropene	5.00	4.90	5.12	98.0	102	73.0-125			4.39	20
1,3-Dichloropropane	5.00	4.59	4.75	91.8	95.0	80.0-125			3.43	20
cis-1,3-Dichloropropene	5.00	4.86	5.05	97.2	101	76.0-127			3.83	20
trans-1,3-Dichloropropene	5.00	4.56	4.66	91.2	93.2	73.0-127			2.17	20
2,2-Dichloropropane	5.00	4.29	4.59	85.8	91.8	59.0-135			6.76	20
Di-isopropyl ether	5.00	5.25	5.43	105	109	60.0-136			3.37	20
Ethylbenzene	5.00	4.84	4.73	96.8	94.6	74.0-126			2.30	20
Hexachloro-1,3-butadiene	5.00	3.77	4.28	75.4	85.6	57.0-150			12.7	20
Isopropylbenzene	5.00	4.33	4.24	86.6	84.8	72.0-127			2.10	20

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

(LCS) R3930963-1 05/27/23 13:44 • (LCSD) R3930963-2 05/27/23 14:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
p-Isopropyltoluene	5.00	4.56	4.72	91.2	94.4	72.0-133			3.45	20
2-Butanone (MEK)	25.0	29.6	27.8	118	111	30.0-160			6.27	24
Methylene Chloride	5.00	4.60	4.64	92.0	92.8	68.0-123			0.866	20
4-Methyl-2-pentanone (MIBK)	25.0	25.9	26.5	104	106	56.0-143			2.29	20
Methyl tert-butyl ether	5.00	4.55	4.72	91.0	94.4	66.0-132			3.67	20
Naphthalene	5.00	1.70	2.22	34.0	44.4	59.0-130	J4	J3 J4	26.5	20
n-Propylbenzene	5.00	4.33	4.53	86.6	90.6	74.0-126			4.51	20
Styrene	5.00	4.41	4.27	88.2	85.4	72.0-127			3.23	20
1,1,1,2-Tetrachloroethane	5.00	4.23	4.18	84.6	83.6	74.0-129			1.19	20
1,1,2,2-Tetrachloroethane	5.00	3.93	4.17	78.6	83.4	68.0-128			5.93	20
1,1,2-Trichlorotrifluoroethane	5.00	5.00	4.87	100	97.4	61.0-139			2.63	20
Tetrachloroethene	5.00	4.95	5.03	99.0	101	70.0-136			1.60	20
Toluene	5.00	4.50	4.62	90.0	92.4	75.0-121			2.63	20
1,2,3-Trichlorobenzene	5.00	1.89	2.60	37.8	52.0	59.0-139	J4	J3 J4	31.6	20
1,2,4-Trichlorobenzene	5.00	2.97	3.56	59.4	71.2	62.0-137	J4		18.1	20
1,1,1-Trichloroethane	5.00	5.00	5.12	100	102	69.0-126			2.37	20
1,1,2-Trichloroethane	5.00	4.55	4.60	91.0	92.0	78.0-123			1.09	20
Trichloroethene	5.00	5.11	5.29	102	106	76.0-126			3.46	20
Trichlorofluoromethane	5.00	4.75	5.01	95.0	100	61.0-142			5.33	20
1,2,3-Trichloropropane	5.00	4.43	4.54	88.6	90.8	67.0-129			2.45	20
1,2,4-Trimethylbenzene	5.00	4.36	4.42	87.2	88.4	70.0-126			1.37	20
1,2,3-Trimethylbenzene	5.00	4.41	4.52	88.2	90.4	74.0-124			2.46	20
1,3,5-Trimethylbenzene	5.00	4.38	4.58	87.6	91.6	73.0-127			4.46	20
Vinyl chloride	5.00	4.86	4.89	97.2	97.8	63.0-134			0.615	20
Xylenes, Total	15.0	13.6	13.3	90.7	88.7	72.0-127			2.23	20
Ethyl Ether	5.00	4.79	4.80	95.8	96.0	64.0-137			0.209	20
Tetrahydrofuran	5.00	4.49	4.68	89.8	93.6	37.0-146			4.14	24
Iodomethane	25.0	25.8	25.3	103	101	74.0-134			1.96	20
Allyl chloride	25.0	23.3	23.7	93.2	94.8	70.0-131			1.70	20
Trans-1,4-Dichloro-2-butene	5.00	4.31	4.75	86.2	95.0	45.0-143			9.71	20
(S) Toluene-d8				*102*	*102*	*75.0-131*				
(S) 4-Bromofluorobenzene				*102*	*100*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*110*	*111*	*70.0-130*				

Method Blank (MB)

(MB) R3932577-2 06/02/23 10:56

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

Method Blank (MB)

(MB) R3932577-2 06/02/23 10:56

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	0.352		0.0464	0.200
1,2,3-Trimethylbenzene	0.107	J	0.0460	0.200
1,3,5-Trimethylbenzene	0.102	J	0.0432	0.200
Vinyl chloride	U		0.0273	0.100
Xylenes, Total	0.342		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	*94.6*			*75.0-131*
(S) 4-Bromofluorobenzene	*106*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.7*			*70.0-130*

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

(LCS) R3932577-1 06/02/23 09:57 • (LCSD) R3932577-3 06/02/23 13:27

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	23.1	23.4	92.4	93.6	10.0-160			1.29	31
Acrylonitrile	25.0	26.0	26.8	104	107	45.0-153			3.03	22
Benzene	5.00	5.12	5.34	102	107	70.0-123			4.21	20
Bromobenzene	5.00	5.22	5.37	104	107	73.0-121			2.83	20
Bromodichloromethane	5.00	5.33	5.55	107	111	73.0-121			4.04	20
Bromoform	5.00	5.30	5.44	106	109	64.0-132			2.61	20
Bromomethane	5.00	3.74	3.92	74.8	78.4	56.0-147			4.70	20
n-Butylbenzene	5.00	5.86	5.29	117	106	68.0-135			10.2	20
sec-Butylbenzene	5.00	5.00	4.84	100	96.8	74.0-130			3.25	20
tert-Butylbenzene	5.00	4.82	4.94	96.4	98.8	75.0-127			2.46	20
Carbon tetrachloride	5.00	5.91	6.00	118	120	66.0-128			1.51	20
Chlorobenzene	5.00	5.45	5.73	109	115	76.0-128			5.01	20
Chlorodibromomethane	5.00	5.33	5.44	107	109	74.0-127			2.04	20
Chloroethane	5.00	4.20	4.42	84.0	88.4	61.0-134			5.10	20
Chloroform	5.00	4.94	5.17	98.8	103	72.0-123			4.55	20
Chloromethane	5.00	4.23	4.43	84.6	88.6	51.0-138			4.62	20
2-Chlorotoluene	5.00	5.33	5.45	107	109	75.0-124			2.23	20
4-Chlorotoluene	5.00	5.39	5.86	108	117	75.0-124			8.36	20
1,2-Dibromo-3-Chloropropane	5.00	4.71	4.98	94.2	99.6	59.0-130			5.57	20
1,2-Dibromoethane	5.00	5.28	5.65	106	113	74.0-128			6.77	20
Dibromomethane	5.00	5.43	5.66	109	113	75.0-122			4.15	20
1,2-Dichlorobenzene	5.00	5.62	5.84	112	117	76.0-124			3.84	20
1,3-Dichlorobenzene	5.00	5.33	5.42	107	108	76.0-125			1.67	20
1,4-Dichlorobenzene	5.00	5.29	5.40	106	108	77.0-121			2.06	20
Dichlorodifluoromethane	5.00	4.75	5.12	95.0	102	43.0-156			7.50	20
1,1-Dichloroethane	5.00	5.34	5.57	107	111	70.0-127			4.22	20
1,2-Dichloroethane	5.00	4.97	5.50	99.4	110	65.0-131			10.1	20
1,1-Dichloroethene	5.00	6.01	6.19	120	124	65.0-131			2.95	20
cis-1,2-Dichloroethene	5.00	5.32	5.56	106	111	73.0-125			4.41	20
trans-1,2-Dichloroethene	5.00	5.35	5.39	107	108	71.0-125			0.745	20
1,2-Dichloropropane	5.00	5.14	5.48	103	110	74.0-125			6.40	20
1,1-Dichloropropene	5.00	5.69	6.03	114	121	73.0-125			5.80	20
1,3-Dichloropropane	5.00	5.33	5.81	107	116	80.0-125			8.62	20
cis-1,3-Dichloropropene	5.00	4.64	4.61	92.8	92.2	76.0-127			0.649	20
trans-1,3-Dichloropropene	5.00	5.41	5.57	108	111	73.0-127			2.91	20
2,2-Dichloropropane	5.00	5.69	4.13	114	82.6	59.0-135		J3	31.8	20
Di-isopropyl ether	5.00	5.80	6.03	116	121	60.0-136			3.89	20
Ethylbenzene	5.00	5.69	5.58	114	112	74.0-126			1.95	20
Hexachloro-1,3-butadiene	5.00	6.24	6.07	125	121	57.0-150			2.76	20
Isopropylbenzene	5.00	5.13	5.08	103	102	72.0-127			0.979	20

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

(LCS) R3932577-1 06/02/23 09:57 • (LCSD) R3932577-3 06/02/23 13:27

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	4.97	4.96	99.4	99.2	72.0-133			0.201	20
2-Butanone (MEK)	25.0	25.9	26.2	104	105	30.0-160			1.15	24
Methylene Chloride	5.00	5.02	5.45	100	109	68.0-123			8.21	20
4-Methyl-2-pentanone (MIBK)	25.0	27.3	28.8	109	115	56.0-143			5.35	20
Methyl tert-butyl ether	5.00	5.57	5.64	111	113	66.0-132			1.25	20
Naphthalene	5.00	5.48	5.35	110	107	59.0-130			2.40	20
n-Propylbenzene	5.00	5.53	5.56	111	111	74.0-126			0.541	20
Styrene	5.00	4.91	4.94	98.2	98.8	72.0-127			0.609	20
1,1,1,2-Tetrachloroethane	5.00	5.56	5.54	111	111	74.0-129			0.360	20
1,1,2,2-Tetrachloroethane	5.00	5.00	4.92	100	98.4	68.0-128			1.61	20
1,1,2-Trichlorotrifluoroethane	5.00	5.11	5.29	102	106	61.0-139			3.46	20
Tetrachloroethene	5.00	5.27	5.55	105	111	70.0-136			5.18	20
Toluene	5.00	5.22	5.41	104	108	75.0-121			3.57	20
1,2,3-Trichlorobenzene	5.00	5.28	5.18	106	104	59.0-139			1.91	20
1,2,4-Trichlorobenzene	5.00	5.51	5.50	110	110	62.0-137			0.182	20
1,1,1-Trichloroethane	5.00	5.89	6.11	118	122	69.0-126			3.67	20
1,1,2-Trichloroethane	5.00	5.40	5.70	108	114	78.0-123			5.41	20
Trichloroethene	5.00	4.76	5.28	95.2	106	76.0-126			10.4	20
Trichlorofluoromethane	5.00	4.63	4.71	92.6	94.2	61.0-142			1.71	20
1,2,3-Trichloropropane	5.00	4.89	5.16	97.8	103	67.0-129			5.37	20
1,2,4-Trimethylbenzene	5.00	5.64	5.36	113	107	70.0-126			5.09	20
1,2,3-Trimethylbenzene	5.00	5.63	5.71	113	114	74.0-124			1.41	20
1,3,5-Trimethylbenzene	5.00	5.77	5.74	115	115	73.0-127			0.521	20
Vinyl chloride	5.00	4.29	4.45	85.8	89.0	63.0-134			3.66	20
Xylenes, Total	15.0	17.0	17.3	113	115	72.0-127			1.75	20
Ethyl Ether	5.00	5.45	6.07	109	121	64.0-137			10.8	20
Tetrahydrofuran	5.00	4.74	4.64	94.8	92.8	37.0-146			2.13	24
Iodomethane	25.0	28.1	29.0	112	116	74.0-134			3.15	20
Allyl chloride	25.0	28.0	27.1	112	108	70.0-131			3.27	20
Trans-1,4-Dichloro-2-butene	5.00	5.69	5.51	114	110	45.0-143			3.21	20
(S) Toluene-d8				*94.8*	*94.4*	*75.0-131*				
(S) 4-Bromofluorobenzene				*107*	*104*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*95.7*	*95.9*	*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.
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.
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.

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	LAO000356
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

Report to:
Brian O'Neal/Bill Haldeman

Email To:
Rachel.McLaughlin@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 #
443022-1413001.10.70

Lab Project #
PESENVSWA-ALP

Collected by (print):
OGM

Site/Facility ID #

P.O. # 10,701,02
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 #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl	Remarks	Sample # (lab only)
FMW-137-051923	G	GW	—	5/19/23	657	3						X		-01
mw-328-051923		GW			756							X		-02
mw-336-051923		GW			859							X		-03
mw-335-051923		GW			945							X		-04
MW06-051823		GW		5/18/23	715							X		-05
FMW-129-051823		GW			830							X		-06
MW-329-051823		GW			929							X		-07
MW128-051823		GW			1017							X		-08
mw-341-051823		GW			1055							X		-09
TB-051923		GW			1300	3						X		-10

NM 5/20

* 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 # 6337 2246 8569

Relinquished by : (Signature) — Date: 5/19/23 — Time: 1300 — 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:
NSA 7 1.3 to 1.3

If preservation required by Login: Date/Time

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature)

Date: 5/20/23 Time: 9:20

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

Chain of Custody Page ___ of ___

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 # L1618697

D006

Acctnum: **PESENVSWA**
Template: **T229085**
Prelogin: **P994911**
PM: **546 - Jared Starkey**
PB:

Shipped Via:

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 ___

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

Report to: Brian O'Neal/Bill Haldeman

Email To: Rachel.McLaughlin@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 # 443022-1413001.10.701.02

Lab Project # PESENVSWA-ALP

SDG # L1618697

Table #

Collected by (print): NEW

Site/Facility ID #

P.O. # 443022-1413001.10.701.02 ~~443018-1413001.05.601~~

Acctnum: PESENVSWA

Template: T229085

Prelogin: P994911

PM: 546 - Jared Starkey

PB:

Shipped Via:

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	FEG 250mlHDPE-HNO3	MNG 250mlHDPE-HNO3	RSK175 40mlAmb HCl	SULFATE 125mlHDPE-NoPres	TOC 250mlAmb-HCl	V8260ULLC 40mlAmb-HCl					Remarks	Sample # (lab only)
MW116-051823	G	GW	—	5/18/23	1135	3						X						-11
MW113-051823		GW			1226							X						-12
MW115-051823		GW			1325							X						-13
MW-324-051823		GW			1545							X						-14
MW-319-051723		GW		5/17/23	1235							X						-15
MW-322-051723		GW			1354							X						-16
MW-323-051723		GW			1525							X						-17
		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 # 6337 2246 8569

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:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No HCL / MeoH TBR
[signature]	5/19/23	1300		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.3 °C NSA7 Bottles Received: 1.3+0=1.3
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 5/20/23 Time: 9:20

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

MEMORANDUM

TO: Project File **DATE:** June 21, 2023

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 443022.1413001.10.701.02

TASK: EIM Data Validation Level EPA2A for 2nd Quarter Monitoring 2023 – Groundwater Samples – Group 1

LAB: Pace Sample Delivery Groups (SDGs): L1615432, L1616149, L1616156, L1616158, and L1616159

Thirty-eight groundwater samples (including one field duplicate), and one trip blank were collected as part of the 2nd Quarterly Monitoring Round for 2023 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington in May 10-12, 2023. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

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

Results are reported in multiple SDGs from Pace. Pace SDGs are reviewed in small groups for each data validation report. Group 1 analytical results are reported in five SDGs. The quality assurance review of the laboratory data associated with Group 1 is summarized below.

DATA QUALIFICATIONS

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

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested with the following discussions:

- SDG L1616149: The following sample identifications were listed incorrectly on the chain of custody (COC) and were corrected by PES on May 15, 2023:
    - Sample MW-**185A**-051223 was corrected to read MW-**158A**-051223
    - Sample MW**109**-051223 was corrected to read **MW-9**-051223
    - Sample **MW153**-051223 was corrected to read MW**-153**-051223
    - Sample **MW147**-051223 was corrected to read MW**-147**-051223

- SDG L1616149: Chain of custody shows analysis request for VOCs only on samples MW-146-051223 and MW-987-051223 however both samples were also analyzed for dissolved gases, metals (iron and manganese), sulfate, and TOC. PES requested the complete analyte list on May 15, 2023.

Sample Collection and Preservation

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

- SDG L1616149: Four FedEx tracking numbers are provided with correlating cooler receipt temperatures. All cooler temperatures are below 6.0ºC and correlating tracking numbers with cooler temperatures was not necessary.

Holding Times

USEPA Method 8260D:
All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

USEPA Method 6020B:
All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

General Chemistry (Sulfate and TOC):
All samples were analyzed within the USEPA recommended holding time for sulfate (28 days), and TOC (28 days) for preserved waters from the date of sample collection. All holding time criteria are met.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however Pace's notes indicate the following:

- Multiple SDGs - *USEPA Method 8260D:* Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C3" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. Low level reporting limit check standard (sensitivity) requirements are within criteria. **Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**

- SDG L1616158 - *USEPA Method 8260D:* Continuing calibration verification (CCV) issue was noted by Pace for tetrachloroethene associated with sample MW-172-051123 in SDG L1616158. This compound is qualified by the laboratory "C5" to indicate that percent difference CCV is above laboratory acceptance criteria and showing high bias. **Sample MW-172-051123 tetrachloroethene result (detects) is estimated with high bias and qualified (J+).**

Method Blank Results

USEPA Method 8260D:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exception:

- SDG L1616149 – Analytical batch WG2062291: Tetrahydrofuran is detected in the method blank at a low level above the RDL. No action is needed for tetrahydrofuran since it is not detected in the associated samples.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

USEPA Method 6020B and General Chemistry (Sulfate and TOC):
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry and metal blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1615432	WG2054766	9060A	TOC	461	J	1000	µg/L	NO
L1616156	WG2062032	9060A	TOC	284	J	1000	µg/L	NO
L1616158	WG2062032	300.0	TOC	284	J	1000	µg/L	NO
L1616159	WG2062032	9056A	TOC	284	J	1000	µg/L	NO
L1616159	WG2062822	9056A	TOC	383	J	1000	µg/L	NO

Target analytes were detected in method blanks at low levels with no impact to the associated samples.

Trip Blank Results

USEPA Method 8260D:
One trip blank (TB-051223) was collected and analyzed for VOCs. The target analytes were not detected in the trip blank at or above the RDLs with one exception:

- SDG L1616158: Acetone was detected at 4.13 µg/L in the trip blank. No action is needed since acetone is not detected in the associated samples.

Field, Rinsate, or Equipment Blank Results

An equipment blank was not collected and submitted with SDGs associated with Group 1.

Field Duplicate Analyses

Field duplicate pair was submitted and analyzed for VOCs only. Field duplicate sample pair is as follows:

- SDG L1616149: Samples MW-146-051223 and MW-987-051223

Target analyte results are comparable and within a relative percent difference (RPD) of 30% (± 1x RDL for groundwater results <5X the RDL) for the field duplicate pairs with the following exceptions:

- SDG L1616149: Field duplicate RDLs are different with a 10X dilution on sample MW-146-051223 and no dilution on sample MW-987-051223. The higher RDLs were used to evaluate the field duplicate results. Vinyl chloride RPD exceeds criteria for field duplicate pair MW-146-051223 and MW-987-051223. **Field duplicate vinyl chloride results for samples MW-146-051223 and MW-987-051223 are estimated and qualified (J).**

Laboratory Duplicate Analyses

USEPA Method 8260D:

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

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples within the analytical batches. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

USEPA Method 6020B:
Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

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

Surrogate Recoveries

USEPA Method 8260D:
The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

Laboratory Control Samples

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

- SDG L1615432 - Analytical batch WG2061566: LCS/LCSD RPD exceeds laboratory criteria for compound tert-butylbenzene and is laboratory qualified (J3). No action is taken for the elevated RPD since LCS/LCSD recoveries for tert-butylbenzene are acceptable.

- SDGs L1616149, L1616156, L1616158, and L1616159 - Analytical batch WG2062690: LCS % recoveries for hexachloro-1,3-butadiene and 1,2,4-trichlorobenzene are recovered above criteria and laboratory qualified (J4**).** No action is needed for hexachloro-1,3-butadiene and 1,2,4-trichlorobenzene as these compounds are not detected in the associated samples.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

USEPA Method 6020B:

The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

General Chemistry (Sulfate and TOC):
The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260D:
MS/MSD analyses were performed on a non-client sample within the analytical batch for SDG L1615432. Refer to LCS/LCSD results for accuracy and precision data.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
MS/MSD analyses were performed on client and on non-client samples within some of the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples.

USEPA Method 6020B:
MS/MSD analyses were performed on a non-client sample within the analytical batch associated with SDG L1615432. Refer to LCS/LCSD results for accuracy and precision data.

General Chemistry (Sulfate and TOC):
MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS or laboratory duplicate data for accuracy and precision data. Client sample MS or MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples.

Other Quality Control Issues

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

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

Compound Identification and Quantitation Limits

Results of the analyses are reported to the method detection limit (MDLs). RDLs for selected compounds are elevated due to method-required dilutions. Per PES's request the associated EDDs show result reporting limits (also known as reported detection limit (RDL) or practical quantitation limit (PQL)) and result detection limit (also referred to as method detection limit (MDL)) instead of defaulting to the RDLs when reporting the actual MDLs. Pace laboratory sample narrative notes regarding elevated results or elevated detection limits are summarized as follows:

- SDG L1616159: VOCs in sample MW108-051223 are analyzed at the lowest possible dilution (20X) due to elevated target compounds. No action is taken on this basis.

Data Assessment

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

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

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

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	14000		594	5000	1	05/19/2023 10:54	WG2062766

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	33200		102	1000	1	05/16/2023 17:08	WG2054766

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	19700		28.1	100	1	05/17/2023 22:17	WG2060138
Manganese	8570		0.704	5.00	1	05/20/2023 09:56	WG2062564

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	20200		2.87	6.78	10	05/18/2023 16:52	WG2062632
Ethane	213		0.296	1.29	1	05/18/2023 15:26	WG2061512
Ethene	210		0.422	1.27	1	05/18/2023 15:26	WG2061512

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		13.7	25.0	25	05/17/2023 18:22	WG2061566
Acrylonitrile	U		1.90	12.5	25	05/17/2023 18:22	WG2061566
Benzene	U		0.400	1.00	25	05/17/2023 18:22	WG2061566
Bromobenzene	U		1.05	12.5	25	05/17/2023 18:22	WG2061566
Bromodichloromethane	U		0.788	2.50	25	05/17/2023 18:22	WG2061566
Bromoform	U	UJ C3	5.98	25.0	25	05/17/2023 18:22	WG2061566
Bromomethane	U		3.70	12.5	25	05/17/2023 18:22	WG2061566
n-Butylbenzene	U		3.83	12.5	25	05/17/2023 18:22	WG2061566
sec-Butylbenzene	U		2.53	12.5	25	05/17/2023 18:22	WG2061566
tert-Butylbenzene	U	~~J3~~	1.55	5.00	25	05/17/2023 18:22	WG2061566
Carbon tetrachloride	U		1.08	5.00	25	05/17/2023 18:22	WG2061566
Chlorobenzene	U		0.573	2.50	25	05/17/2023 18:22	WG2061566
Chlorodibromomethane	U		0.450	2.50	25	05/17/2023 18:22	WG2061566
Chloroethane	U		1.08	5.00	25	05/17/2023 18:22	WG2061566
Chloroform	U		0.415	2.50	25	05/17/2023 18:22	WG2061566
Chloromethane	U		1.39	12.5	25	05/17/2023 18:22	WG2061566
2-Chlorotoluene	U		0.920	2.50	25	05/17/2023 18:22	WG2061566
4-Chlorotoluene	U		1.13	5.00	25	05/17/2023 18:22	WG2061566
1,2-Dibromo-3-Chloropropane	U	UJ C3	5.10	25.0	25	05/17/2023 18:22	WG2061566
1,2-Dibromoethane	U		0.525	2.50	25	05/17/2023 18:22	WG2061566
Dibromomethane	U		1.00	5.00	25	05/17/2023 18:22	WG2061566
1,2-Dichlorobenzene	U		1.45	5.00	25	05/17/2023 18:22	WG2061566
1,3-Dichlorobenzene	U		1.70	5.00	25	05/17/2023 18:22	WG2061566
1,4-Dichlorobenzene	U		1.97	5.00	25	05/17/2023 18:22	WG2061566
Dichlorodifluoromethane	U		0.818	2.50	25	05/17/2023 18:22	WG2061566
1,1-Dichloroethane	U		0.575	2.50	25	05/17/2023 18:22	WG2061566
1,2-Dichloroethane	U		0.475	2.50	25	05/17/2023 18:22	WG2061566
1,1-Dichloroethene	3.28		0.500	2.50	25	05/17/2023 18:22	WG2061566
cis-1,2-Dichloroethene	2410		0.690	2.50	25	05/17/2023 18:22	WG2061566
trans-1,2-Dichloroethene	8.18		1.43	5.00	25	05/17/2023 18:22	WG2061566
1,2-Dichloropropane	U		1.27	5.00	25	05/17/2023 18:22	WG2061566

JC 6/6/23

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.700	2.50	25	05/17/2023 18:22	WG2061566
1,3-Dichloropropane	U		1.75	5.00	25	05/17/2023 18:22	WG2061566
cis-1,3-Dichloropropene	U		0.678	2.50	25	05/17/2023 18:22	WG2061566
trans-1,3-Dichloropropene	U		1.53	5.00	25	05/17/2023 18:22	WG2061566
2,2-Dichloropropane	U		0.793	2.50	25	05/17/2023 18:22	WG2061566
Di-isopropyl ether	U		0.350	1.00	25	05/17/2023 18:22	WG2061566
Ethylbenzene	U		0.530	2.50	25	05/17/2023 18:22	WG2061566
Hexachloro-1,3-butadiene	U		12.7	25.0	25	05/17/2023 18:22	WG2061566
Isopropylbenzene	U		0.863	2.50	25	05/17/2023 18:22	WG2061566
p-Isopropyltoluene	U		2.33	5.00	25	05/17/2023 18:22	WG2061566
2-Butanone (MEK)	U		12.5	25.0	25	05/17/2023 18:22	WG2061566
Methylene Chloride	U		6.63	25.0	25	05/17/2023 18:22	WG2061566
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	05/17/2023 18:22	WG2061566
Methyl tert-butyl ether	U		0.295	1.00	25	05/17/2023 18:22	WG2061566
Naphthalene	U		3.10	12.5	25	05/17/2023 18:22	WG2061566
n-Propylbenzene	U		1.18	5.00	25	05/17/2023 18:22	WG2061566
Styrene	U		2.73	12.5	25	05/17/2023 18:22	WG2061566
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	05/17/2023 18:22	WG2061566
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	05/17/2023 18:22	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	05/17/2023 18:22	WG2061566
Tetrachloroethene	4.75		0.700	2.50	25	05/17/2023 18:22	WG2061566
Toluene	U		1.25	5.00	25	05/17/2023 18:22	WG2061566
1,2,3-Trichlorobenzene	U	UJ C3	0.625	12.5	25	05/17/2023 18:22	WG2061566
1,2,4-Trichlorobenzene	U		4.83	12.5	25	05/17/2023 18:22	WG2061566
1,1,1-Trichloroethane	U		0.275	2.50	25	05/17/2023 18:22	WG2061566
1,1,2-Trichloroethane	U		0.883	2.50	25	05/17/2023 18:22	WG2061566
Trichloroethene	4.25		0.400	1.00	25	05/17/2023 18:22	WG2061566
Trichlorofluoromethane	U		0.500	2.50	25	05/17/2023 18:22	WG2061566
1,2,3-Trichloropropane	U		5.10	12.5	25	05/17/2023 18:22	WG2061566
1,2,4-Trimethylbenzene	U		1.16	5.00	25	05/17/2023 18:22	WG2061566
1,2,3-Trimethylbenzene	U		1.15	5.00	25	05/17/2023 18:22	WG2061566
1,3,5-Trimethylbenzene	U		1.08	5.00	25	05/17/2023 18:22	WG2061566
Vinyl chloride	408		0.682	2.50	25	05/17/2023 18:22	WG2061566
Xylenes, Total	U		4.78	6.50	25	05/17/2023 18:22	WG2061566
Ethyl Ether	U		0.425	2.50	25	05/17/2023 18:22	WG2061566
Tetrahydrofuran	U		2.25	12.5	25	05/17/2023 18:22	WG2061566
Iodomethane	U		6.05	12.5	25	05/17/2023 18:22	WG2061566
Allyl chloride	U		14.5	25.0	25	05/17/2023 18:22	WG2061566
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	05/17/2023 18:22	WG2061566
(S) Toluene-d8	*109*			*75.0-131*		*05/17/2023 18:22*	WG2061566
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/17/2023 18:22*	WG2061566
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*05/17/2023 18:22*	WG2061566

JC 6/6/23

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	U		594	5000	1	05/19/2023 04:21	WG2062770

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	33500		102	1000	1	05/16/2023 17:28	WG2054766

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	13500		281	1000	10	05/21/2023 22:53	WG2060138
Manganese	1620		0.704	5.00	1	05/20/2023 09:59	WG2062564

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	31600		2.87	6.78	10	05/18/2023 16:56	WG2062632
Ethane	311		0.296	1.29	1	05/18/2023 15:29	WG2061512
Ethene	3290		0.422	1.27	1	05/18/2023 15:29	WG2061512

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		110	200	200	05/17/2023 18:41	WG2061566
Acrylonitrile	U		15.2	100	200	05/17/2023 18:41	WG2061566
Benzene	U		3.20	8.00	200	05/17/2023 18:41	WG2061566
Bromobenzene	U		8.40	100	200	05/17/2023 18:41	WG2061566
Bromodichloromethane	U		6.30	20.0	200	05/17/2023 18:41	WG2061566
Bromoform	U	UJ C3	47.8	200	200	05/17/2023 18:41	WG2061566
Bromomethane	U		29.6	100	200	05/17/2023 18:41	WG2061566
n-Butylbenzene	U		30.6	100	200	05/17/2023 18:41	WG2061566
sec-Butylbenzene	U		20.2	100	200	05/17/2023 18:41	WG2061566
tert-Butylbenzene	U	J3	12.4	40.0	200	05/17/2023 18:41	WG2061566
Carbon tetrachloride	U		8.64	40.0	200	05/17/2023 18:41	WG2061566
Chlorobenzene	U		4.58	20.0	200	05/17/2023 18:41	WG2061566
Chlorodibromomethane	U		3.60	20.0	200	05/17/2023 18:41	WG2061566
Chloroethane	U		8.64	40.0	200	05/17/2023 18:41	WG2061566
Chloroform	U		3.32	20.0	200	05/17/2023 18:41	WG2061566
Chloromethane	U		11.1	100	200	05/17/2023 18:41	WG2061566
2-Chlorotoluene	U		7.36	20.0	200	05/17/2023 18:41	WG2061566
4-Chlorotoluene	U		9.04	40.0	200	05/17/2023 18:41	WG2061566
1,2-Dibromo-3-Chloropropane	U	UJ C3	40.8	200	200	05/17/2023 18:41	WG2061566
1,2-Dibromoethane	U		4.20	20.0	200	05/17/2023 18:41	WG2061566
Dibromomethane	U		8.00	40.0	200	05/17/2023 18:41	WG2061566
1,2-Dichlorobenzene	U		11.6	40.0	200	05/17/2023 18:41	WG2061566
1,3-Dichlorobenzene	U		13.6	40.0	200	05/17/2023 18:41	WG2061566
1,4-Dichlorobenzene	U		15.8	40.0	200	05/17/2023 18:41	WG2061566
Dichlorodifluoromethane	U		6.54	20.0	200	05/17/2023 18:41	WG2061566
1,1-Dichloroethane	U		4.60	20.0	200	05/17/2023 18:41	WG2061566
1,2-Dichloroethane	U		3.80	20.0	200	05/17/2023 18:41	WG2061566
1,1-Dichloroethene	11.6	J	4.00	20.0	200	05/17/2023 18:41	WG2061566
cis-1,2-Dichloroethene	2830		5.52	20.0	200	05/17/2023 18:41	WG2061566
trans-1,2-Dichloroethene	16.8	J	11.4	40.0	200	05/17/2023 18:41	WG2061566
1,2-Dichloropropane	U		10.2	40.0	200	05/17/2023 18:41	WG2061566

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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	
1,1-Dichloropropene	U		5.60	20.0	200	05/17/2023 18:41	WG2061566
1,3-Dichloropropane	U		14.0	40.0	200	05/17/2023 18:41	WG2061566
cis-1,3-Dichloropropene	U		5.42	20.0	200	05/17/2023 18:41	WG2061566
trans-1,3-Dichloropropene	U		12.2	40.0	200	05/17/2023 18:41	WG2061566
2,2-Dichloropropane	U		6.34	20.0	200	05/17/2023 18:41	WG2061566
Di-isopropyl ether	U		2.80	8.00	200	05/17/2023 18:41	WG2061566
Ethylbenzene	U		4.24	20.0	200	05/17/2023 18:41	WG2061566
Hexachloro-1,3-butadiene	U		102	200	200	05/17/2023 18:41	WG2061566
Isopropylbenzene	U		6.90	20.0	200	05/17/2023 18:41	WG2061566
p-Isopropyltoluene	U		18.6	40.0	200	05/17/2023 18:41	WG2061566
2-Butanone (MEK)	U		100	200	200	05/17/2023 18:41	WG2061566
Methylene Chloride	U		53.0	200	200	05/17/2023 18:41	WG2061566
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	05/17/2023 18:41	WG2061566
Methyl tert-butyl ether	U		2.36	8.00	200	05/17/2023 18:41	WG2061566
Naphthalene	U		24.8	100	200	05/17/2023 18:41	WG2061566
n-Propylbenzene	U		9.44	40.0	200	05/17/2023 18:41	WG2061566
Styrene	U		21.8	100	200	05/17/2023 18:41	WG2061566
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	05/17/2023 18:41	WG2061566
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	05/17/2023 18:41	WG2061566
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	05/17/2023 18:41	WG2061566
Tetrachloroethene	U		5.60	20.0	200	05/17/2023 18:41	WG2061566
Toluene	U		10.0	40.0	200	05/17/2023 18:41	WG2061566
1,2,3-Trichlorobenzene	U	UJ C3	5.00	100	200	05/17/2023 18:41	WG2061566
1,2,4-Trichlorobenzene	U		38.6	100	200	05/17/2023 18:41	WG2061566
1,1,1-Trichloroethane	U		2.20	20.0	200	05/17/2023 18:41	WG2061566
1,1,2-Trichloroethane	U		7.06	20.0	200	05/17/2023 18:41	WG2061566
Trichloroethene	U		3.20	8.00	200	05/17/2023 18:41	WG2061566
Trichlorofluoromethane	U		4.00	20.0	200	05/17/2023 18:41	WG2061566
1,2,3-Trichloropropane	U		40.8	100	200	05/17/2023 18:41	WG2061566
1,2,4-Trimethylbenzene	U		9.28	40.0	200	05/17/2023 18:41	WG2061566
1,2,3-Trimethylbenzene	U		9.20	40.0	200	05/17/2023 18:41	WG2061566
1,3,5-Trimethylbenzene	U		8.64	40.0	200	05/17/2023 18:41	WG2061566
Vinyl chloride	6770		5.46	20.0	200	05/17/2023 18:41	WG2061566
Xylenes, Total	U		38.2	52.0	200	05/17/2023 18:41	WG2061566
Ethyl Ether	U		3.40	20.0	200	05/17/2023 18:41	WG2061566
Tetrahydrofuran	U		18.0	100	200	05/17/2023 18:41	WG2061566
Iodomethane	U		48.4	100	200	05/17/2023 18:41	WG2061566
Allyl chloride	U		116	200	200	05/17/2023 18:41	WG2061566
Trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	05/17/2023 18:41	WG2061566
(S) Toluene-d8	*108*			*75.0-131*		*05/17/2023 18:41*	WG2061566
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/17/2023 18:41*	WG2061566
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*		*05/17/2023 18:41*	WG2061566

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	U		594	5000	1	05/19/2023 04:34	WG2062770

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	41300		102	1000	1	05/16/2023 17:47	WG2054766

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	19800		28.1	100	1	05/17/2023 22:24	WG2060138
Manganese	3030		0.704	5.00	1	05/20/2023 10:03	WG2062564

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	30500		2.87	6.78	10	05/18/2023 17:02	WG2062632
Ethane	383		0.296	1.29	1	05/18/2023 15:35	WG2061512
Ethene	4290		0.422	1.27	1	05/18/2023 15:35	WG2061512

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		548	1000	1000	05/17/2023 19:00	WG2061566
Acrylonitrile	U		76.0	500	1000	05/17/2023 19:00	WG2061566
Benzene	U		16.0	40.0	1000	05/17/2023 19:00	WG2061566
Bromobenzene	U		42.0	500	1000	05/17/2023 19:00	WG2061566
Bromodichloromethane	U		31.5	100	1000	05/17/2023 19:00	WG2061566
Bromoform	U	UJ C3	239	1000	1000	05/17/2023 19:00	WG2061566
Bromomethane	U		148	500	1000	05/17/2023 19:00	WG2061566
n-Butylbenzene	U		153	500	1000	05/17/2023 19:00	WG2061566
sec-Butylbenzene	U		101	500	1000	05/17/2023 19:00	WG2061566
tert-Butylbenzene	U	~~J3~~	62.0	200	1000	05/17/2023 19:00	WG2061566
Carbon tetrachloride	U		43.2	200	1000	05/17/2023 19:00	WG2061566
Chlorobenzene	U		22.9	100	1000	05/17/2023 19:00	WG2061566
Chlorodibromomethane	U		18.0	100	1000	05/17/2023 19:00	WG2061566
Chloroethane	U		43.2	200	1000	05/17/2023 19:00	WG2061566
Chloroform	U		16.6	100	1000	05/17/2023 19:00	WG2061566
Chloromethane	U		55.6	500	1000	05/17/2023 19:00	WG2061566
2-Chlorotoluene	U		36.8	100	1000	05/17/2023 19:00	WG2061566
4-Chlorotoluene	U		45.2	200	1000	05/17/2023 19:00	WG2061566
1,2-Dibromo-3-Chloropropane	U	UJ C3	204	1000	1000	05/17/2023 19:00	WG2061566
1,2-Dibromoethane	U		21.0	100	1000	05/17/2023 19:00	WG2061566
Dibromomethane	U		40.0	200	1000	05/17/2023 19:00	WG2061566
1,2-Dichlorobenzene	U		58.0	200	1000	05/17/2023 19:00	WG2061566
1,3-Dichlorobenzene	U		68.0	200	1000	05/17/2023 19:00	WG2061566
1,4-Dichlorobenzene	U		78.8	200	1000	05/17/2023 19:00	WG2061566
Dichlorodifluoromethane	U		32.7	100	1000	05/17/2023 19:00	WG2061566
1,1-Dichloroethane	U		23.0	100	1000	05/17/2023 19:00	WG2061566
1,2-Dichloroethane	U		19.0	100	1000	05/17/2023 19:00	WG2061566
1,1-Dichloroethene	32.0	J	20.0	100	1000	05/17/2023 19:00	WG2061566
cis-1,2-Dichloroethene	25100		27.6	100	1000	05/17/2023 19:00	WG2061566
trans-1,2-Dichloroethene	U		57.2	200	1000	05/17/2023 19:00	WG2061566
1,2-Dichloropropane	U		50.8	200	1000	05/17/2023 19:00	WG2061566

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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	
1,1-Dichloropropene	U		28.0	100	1000	05/17/2023 19:00	WG2061566
1,3-Dichloropropane	U		70.0	200	1000	05/17/2023 19:00	WG2061566
cis-1,3-Dichloropropene	U		27.1	100	1000	05/17/2023 19:00	WG2061566
trans-1,3-Dichloropropene	U		61.2	200	1000	05/17/2023 19:00	WG2061566
2,2-Dichloropropane	U		31.7	100	1000	05/17/2023 19:00	WG2061566
Di-isopropyl ether	U		14.0	40.0	1000	05/17/2023 19:00	WG2061566
Ethylbenzene	U		21.2	100	1000	05/17/2023 19:00	WG2061566
Hexachloro-1,3-butadiene	U		508	1000	1000	05/17/2023 19:00	WG2061566
Isopropylbenzene	U		34.5	100	1000	05/17/2023 19:00	WG2061566
p-Isopropyltoluene	U		93.2	200	1000	05/17/2023 19:00	WG2061566
2-Butanone (MEK)	U		500	1000	1000	05/17/2023 19:00	WG2061566
Methylene Chloride	U		265	1000	1000	05/17/2023 19:00	WG2061566
4-Methyl-2-pentanone (MIBK)	U		400	1000	1000	05/17/2023 19:00	WG2061566
Methyl tert-butyl ether	U		11.8	40.0	1000	05/17/2023 19:00	WG2061566
Naphthalene	U		124	500	1000	05/17/2023 19:00	WG2061566
n-Propylbenzene	U		47.2	200	1000	05/17/2023 19:00	WG2061566
Styrene	U		109	500	1000	05/17/2023 19:00	WG2061566
1,1,1,2-Tetrachloroethane	U		20.0	100	1000	05/17/2023 19:00	WG2061566
1,1,2,2-Tetrachloroethane	U		15.6	100	1000	05/17/2023 19:00	WG2061566
1,1,2-Trichlorotrifluoroethane	U		27.0	100	1000	05/17/2023 19:00	WG2061566
Tetrachloroethene	60.0	J	28.0	100	1000	05/17/2023 19:00	WG2061566
Toluene	U		50.0	200	1000	05/17/2023 19:00	WG2061566
1,2,3-Trichlorobenzene	U	UJ C3	25.0	500	1000	05/17/2023 19:00	WG2061566
1,2,4-Trichlorobenzene	U		193	500	1000	05/17/2023 19:00	WG2061566
1,1,1-Trichloroethane	U		11.0	100	1000	05/17/2023 19:00	WG2061566
1,1,2-Trichloroethane	U		35.3	100	1000	05/17/2023 19:00	WG2061566
Trichloroethene	43.0		16.0	40.0	1000	05/17/2023 19:00	WG2061566
Trichlorofluoromethane	U		20.0	100	1000	05/17/2023 19:00	WG2061566
1,2,3-Trichloropropane	U		204	500	1000	05/17/2023 19:00	WG2061566
1,2,4-Trimethylbenzene	U		46.4	200	1000	05/17/2023 19:00	WG2061566
1,2,3-Trimethylbenzene	U		46.0	200	1000	05/17/2023 19:00	WG2061566
1,3,5-Trimethylbenzene	U		43.2	200	1000	05/17/2023 19:00	WG2061566
Vinyl chloride	15300		27.3	100	1000	05/17/2023 19:00	WG2061566
Xylenes, Total	U		191	260	1000	05/17/2023 19:00	WG2061566
Ethyl Ether	U		17.0	100	1000	05/17/2023 19:00	WG2061566
Tetrahydrofuran	U		90.0	500	1000	05/17/2023 19:00	WG2061566
Iodomethane	U		242	500	1000	05/17/2023 19:00	WG2061566
Allyl chloride	U		580	1000	1000	05/17/2023 19:00	WG2061566
Trans-1,4-Dichloro-2-butene	U		56.0	200	1000	05/17/2023 19:00	WG2061566
(S) Toluene-d8	*110*			*75.0-131*		*05/17/2023 19:00*	WG2061566
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/17/2023 19:00*	WG2061566
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*05/17/2023 19:00*	WG2061566

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	19800		594	5000	1	05/19/2023 04:47	WG2062770

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	11000		102	1000	1	05/16/2023 18:05	WG2054766

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	3060		28.1	100	1	05/17/2023 22:27	WG2060138
Manganese	1360		0.704	5.00	1	05/20/2023 10:06	WG2062564

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	29800		2.87	6.78	10	05/18/2023 17:07	WG2062632
Ethane	U		0.296	1.29	1	05/18/2023 15:45	WG2061512
Ethene	379		0.422	1.27	1	05/18/2023 15:45	WG2061512

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		54.8	100	100	05/17/2023 19:22	WG2061566
Acrylonitrile	U		7.60	50.0	100	05/17/2023 19:22	WG2061566
Benzene	U		1.60	4.00	100	05/17/2023 19:22	WG2061566
Bromobenzene	U		4.20	50.0	100	05/17/2023 19:22	WG2061566
Bromodichloromethane	U		3.15	10.0	100	05/17/2023 19:22	WG2061566
Bromoform	U	UJ C3	23.9	100	100	05/17/2023 19:22	WG2061566
Bromomethane	U		14.8	50.0	100	05/17/2023 19:22	WG2061566
n-Butylbenzene	U		15.3	50.0	100	05/17/2023 19:22	WG2061566
sec-Butylbenzene	U		10.1	50.0	100	05/17/2023 19:22	WG2061566
tert-Butylbenzene	U	J3	6.20	20.0	100	05/17/2023 19:22	WG2061566
Carbon tetrachloride	U		4.32	20.0	100	05/17/2023 19:22	WG2061566
Chlorobenzene	U		2.29	10.0	100	05/17/2023 19:22	WG2061566
Chlorodibromomethane	U		1.80	10.0	100	05/17/2023 19:22	WG2061566
Chloroethane	U		4.32	20.0	100	05/17/2023 19:22	WG2061566
Chloroform	U		1.66	10.0	100	05/17/2023 19:22	WG2061566
Chloromethane	U		5.56	50.0	100	05/17/2023 19:22	WG2061566
2-Chlorotoluene	U		3.68	10.0	100	05/17/2023 19:22	WG2061566
4-Chlorotoluene	U		4.52	20.0	100	05/17/2023 19:22	WG2061566
1,2-Dibromo-3-Chloropropane	U	UJ C3	20.4	100	100	05/17/2023 19:22	WG2061566
1,2-Dibromoethane	U		2.10	10.0	100	05/17/2023 19:22	WG2061566
Dibromomethane	U		4.00	20.0	100	05/17/2023 19:22	WG2061566
1,2-Dichlorobenzene	U		5.80	20.0	100	05/17/2023 19:22	WG2061566
1,3-Dichlorobenzene	U		6.80	20.0	100	05/17/2023 19:22	WG2061566
1,4-Dichlorobenzene	U		7.88	20.0	100	05/17/2023 19:22	WG2061566
Dichlorodifluoromethane	U		3.27	10.0	100	05/17/2023 19:22	WG2061566
1,1-Dichloroethane	U		2.30	10.0	100	05/17/2023 19:22	WG2061566
1,2-Dichloroethane	U		1.90	10.0	100	05/17/2023 19:22	WG2061566
1,1-Dichloroethene	U		2.00	10.0	100	05/17/2023 19:22	WG2061566
cis-1,2-Dichloroethene	321		2.76	10.0	100	05/17/2023 19:22	WG2061566
trans-1,2-Dichloroethene	U		5.72	20.0	100	05/17/2023 19:22	WG2061566
1,2-Dichloropropane	U		5.08	20.0	100	05/17/2023 19:22	WG2061566

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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	
1,1-Dichloropropene	U		2.80	10.0	100	05/17/2023 19:22	WG2061566
1,3-Dichloropropane	U		7.00	20.0	100	05/17/2023 19:22	WG2061566
cis-1,3-Dichloropropene	U		2.71	10.0	100	05/17/2023 19:22	WG2061566
trans-1,3-Dichloropropene	U		6.12	20.0	100	05/17/2023 19:22	WG2061566
2,2-Dichloropropane	U		3.17	10.0	100	05/17/2023 19:22	WG2061566
Di-isopropyl ether	U		1.40	4.00	100	05/17/2023 19:22	WG2061566
Ethylbenzene	U		2.12	10.0	100	05/17/2023 19:22	WG2061566
Hexachloro-1,3-butadiene	U		50.8	100	100	05/17/2023 19:22	WG2061566
Isopropylbenzene	U		3.45	10.0	100	05/17/2023 19:22	WG2061566
p-Isopropyltoluene	U		9.32	20.0	100	05/17/2023 19:22	WG2061566
2-Butanone (MEK)	U		50.0	100	100	05/17/2023 19:22	WG2061566
Methylene Chloride	U		26.5	100	100	05/17/2023 19:22	WG2061566
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	05/17/2023 19:22	WG2061566
Methyl tert-butyl ether	U		1.18	4.00	100	05/17/2023 19:22	WG2061566
Naphthalene	U		12.4	50.0	100	05/17/2023 19:22	WG2061566
n-Propylbenzene	U		4.72	20.0	100	05/17/2023 19:22	WG2061566
Styrene	U		10.9	50.0	100	05/17/2023 19:22	WG2061566
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	05/17/2023 19:22	WG2061566
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	05/17/2023 19:22	WG2061566
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	05/17/2023 19:22	WG2061566
Tetrachloroethene	U		2.80	10.0	100	05/17/2023 19:22	WG2061566
Toluene	U		5.00	20.0	100	05/17/2023 19:22	WG2061566
1,2,3-Trichlorobenzene	U	UJ C3	2.50	50.0	100	05/17/2023 19:22	WG2061566
1,2,4-Trichlorobenzene	U		19.3	50.0	100	05/17/2023 19:22	WG2061566
1,1,1-Trichloroethane	U		1.10	10.0	100	05/17/2023 19:22	WG2061566
1,1,2-Trichloroethane	U		3.53	10.0	100	05/17/2023 19:22	WG2061566
Trichloroethene	U		1.60	4.00	100	05/17/2023 19:22	WG2061566
Trichlorofluoromethane	U		2.00	10.0	100	05/17/2023 19:22	WG2061566
1,2,3-Trichloropropane	U		20.4	50.0	100	05/17/2023 19:22	WG2061566
1,2,4-Trimethylbenzene	U		4.64	20.0	100	05/17/2023 19:22	WG2061566
1,2,3-Trimethylbenzene	U		4.60	20.0	100	05/17/2023 19:22	WG2061566
1,3,5-Trimethylbenzene	U		4.32	20.0	100	05/17/2023 19:22	WG2061566
Vinyl chloride	1200		2.73	10.0	100	05/17/2023 19:22	WG2061566
Xylenes, Total	U		19.1	26.0	100	05/17/2023 19:22	WG2061566
Ethyl Ether	U		1.70	10.0	100	05/17/2023 19:22	WG2061566
Tetrahydrofuran	U		9.00	50.0	100	05/17/2023 19:22	WG2061566
Iodomethane	U		24.2	50.0	100	05/17/2023 19:22	WG2061566
Allyl chloride	U		58.0	100	100	05/17/2023 19:22	WG2061566
Trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	05/17/2023 19:22	WG2061566
(S) Toluene-d8	*110*			*75.0-131*		*05/17/2023 19:22*	WG2061566
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/17/2023 19:22*	WG2061566
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*		*05/17/2023 19:22*	WG2061566

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	21000		594	5000	1	05/19/2023 05:25	WG2062770

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	10400		102	1000	1	05/16/2023 18:22	WG2054766

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	21400		28.1	100	1	05/17/2023 22:31	WG2060138
Manganese	2890		0.704	5.00	1	05/20/2023 10:16	WG2062564

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	1920		0.287	0.678	1	05/18/2023 15:54	WG2061512
Ethane	12.7		0.296	1.29	1	05/18/2023 15:54	WG2061512
Ethene	23.9		0.422	1.27	1	05/18/2023 15:54	WG2061512

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		5.48	10.0	10	05/17/2023 20:55	WG2061566
Acrylonitrile	U		0.760	5.00	10	05/17/2023 20:55	WG2061566
Benzene	U		0.160	0.400	10	05/17/2023 20:55	WG2061566
Bromobenzene	U		0.420	5.00	10	05/17/2023 20:55	WG2061566
Bromodichloromethane	U		0.315	1.00	10	05/17/2023 20:55	WG2061566
Bromoform	U	UJ C3	2.39	10.0	10	05/17/2023 20:55	WG2061566
Bromomethane	U		1.48	5.00	10	05/17/2023 20:55	WG2061566
n-Butylbenzene	U		1.53	5.00	10	05/17/2023 20:55	WG2061566
sec-Butylbenzene	U		1.01	5.00	10	05/17/2023 20:55	WG2061566
tert-Butylbenzene	U	~~J3~~	0.620	2.00	10	05/17/2023 20:55	WG2061566
Carbon tetrachloride	U		0.432	2.00	10	05/17/2023 20:55	WG2061566
Chlorobenzene	U		0.229	1.00	10	05/17/2023 20:55	WG2061566
Chlorodibromomethane	U		0.180	1.00	10	05/17/2023 20:55	WG2061566
Chloroethane	U		0.432	2.00	10	05/17/2023 20:55	WG2061566
Chloroform	U		0.166	1.00	10	05/17/2023 20:55	WG2061566
Chloromethane	U		0.556	5.00	10	05/17/2023 20:55	WG2061566
2-Chlorotoluene	U		0.368	1.00	10	05/17/2023 20:55	WG2061566
4-Chlorotoluene	U		0.452	2.00	10	05/17/2023 20:55	WG2061566
1,2-Dibromo-3-Chloropropane	U	UJ C3	2.04	10.0	10	05/17/2023 20:55	WG2061566
1,2-Dibromoethane	U		0.210	1.00	10	05/17/2023 20:55	WG2061566
Dibromomethane	U		0.400	2.00	10	05/17/2023 20:55	WG2061566
1,2-Dichlorobenzene	U		0.580	2.00	10	05/17/2023 20:55	WG2061566
1,3-Dichlorobenzene	U		0.680	2.00	10	05/17/2023 20:55	WG2061566
1,4-Dichlorobenzene	U		0.788	2.00	10	05/17/2023 20:55	WG2061566
Dichlorodifluoromethane	U		0.327	1.00	10	05/17/2023 20:55	WG2061566
1,1-Dichloroethane	U		0.230	1.00	10	05/17/2023 20:55	WG2061566
1,2-Dichloroethane	U		0.190	1.00	10	05/17/2023 20:55	WG2061566
1,1-Dichloroethene	5.68		0.200	1.00	10	05/17/2023 20:55	WG2061566
cis-1,2-Dichloroethene	149		0.276	1.00	10	05/17/2023 20:55	WG2061566
trans-1,2-Dichloroethene	3.06		0.572	2.00	10	05/17/2023 20:55	WG2061566
1,2-Dichloropropane	U		0.508	2.00	10	05/17/2023 20:55	WG2061566

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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	
1,1-Dichloropropene	U		0.280	1.00	10	05/17/2023 20:55	WG2061566
1,3-Dichloropropane	U		0.700	2.00	10	05/17/2023 20:55	WG2061566
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/17/2023 20:55	WG2061566
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/17/2023 20:55	WG2061566
2,2-Dichloropropane	U		0.317	1.00	10	05/17/2023 20:55	WG2061566
Di-isopropyl ether	U		0.140	0.400	10	05/17/2023 20:55	WG2061566
Ethylbenzene	U		0.212	1.00	10	05/17/2023 20:55	WG2061566
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/17/2023 20:55	WG2061566
Isopropylbenzene	U		0.345	1.00	10	05/17/2023 20:55	WG2061566
p-Isopropyltoluene	U		0.932	2.00	10	05/17/2023 20:55	WG2061566
2-Butanone (MEK)	U		5.00	10.0	10	05/17/2023 20:55	WG2061566
Methylene Chloride	U		2.65	10.0	10	05/17/2023 20:55	WG2061566
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/17/2023 20:55	WG2061566
Methyl tert-butyl ether	U		0.118	0.400	10	05/17/2023 20:55	WG2061566
Naphthalene	U		1.24	5.00	10	05/17/2023 20:55	WG2061566
n-Propylbenzene	U		0.472	2.00	10	05/17/2023 20:55	WG2061566
Styrene	U		1.09	5.00	10	05/17/2023 20:55	WG2061566
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/17/2023 20:55	WG2061566
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/17/2023 20:55	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/17/2023 20:55	WG2061566
Tetrachloroethene	112		0.280	1.00	10	05/17/2023 20:55	WG2061566
Toluene	U		0.500	2.00	10	05/17/2023 20:55	WG2061566
1,2,3-Trichlorobenzene	U	UJ C3	0.250	5.00	10	05/17/2023 20:55	WG2061566
1,2,4-Trichlorobenzene	U		1.93	5.00	10	05/17/2023 20:55	WG2061566
1,1,1-Trichloroethane	U		0.110	1.00	10	05/17/2023 20:55	WG2061566
1,1,2-Trichloroethane	U		0.353	1.00	10	05/17/2023 20:55	WG2061566
Trichloroethene	132		0.160	0.400	10	05/17/2023 20:55	WG2061566
Trichlorofluoromethane	U		0.200	1.00	10	05/17/2023 20:55	WG2061566
1,2,3-Trichloropropane	U		2.04	5.00	10	05/17/2023 20:55	WG2061566
1,2,4-Trimethylbenzene	U		0.464	2.00	10	05/17/2023 20:55	WG2061566
1,2,3-Trimethylbenzene	U		0.460	2.00	10	05/17/2023 20:55	WG2061566
1,3,5-Trimethylbenzene	U		0.432	2.00	10	05/17/2023 20:55	WG2061566
Vinyl chloride	38.1		0.273	1.00	10	05/17/2023 20:55	WG2061566
Xylenes, Total	U		1.91	2.60	10	05/17/2023 20:55	WG2061566
Ethyl Ether	U		0.170	1.00	10	05/17/2023 20:55	WG2061566
Tetrahydrofuran	U		0.900	5.00	10	05/17/2023 20:55	WG2061566
Iodomethane	U		2.42	5.00	10	05/17/2023 20:55	WG2061566
Allyl chloride	U		5.80	10.0	10	05/17/2023 20:55	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/17/2023 20:55	WG2061566
(S) Toluene-d8	*113*			*75.0-131*		*05/17/2023 20:55*	WG2061566
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*05/17/2023 20:55*	WG2061566
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*05/17/2023 20:55*	WG2061566

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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	2.09		0.548	1.00	1	05/18/2023 14:50	WG2062291	
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 14:50	WG2062291	
Benzene	U		0.0160	0.0400	1	05/18/2023 14:50	WG2062291	
Bromobenzene	U		0.0420	0.500	1	05/18/2023 14:50	WG2062291	
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 14:50	WG2062291	
Bromoform	U		0.239	1.00	1	05/18/2023 14:50	WG2062291	
Bromomethane	U		0.148	0.500	1	05/18/2023 14:50	WG2062291	
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 14:50	WG2062291	
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 14:50	WG2062291	
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 14:50	WG2062291	
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 14:50	WG2062291	
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 14:50	WG2062291	
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 14:50	WG2062291	
Chloroethane	0.312		0.0432	0.200	1	05/18/2023 14:50	WG2062291	
Chloroform	U		0.0166	0.100	1	05/18/2023 14:50	WG2062291	
Chloromethane	U		0.0556	0.500	1	05/18/2023 14:50	WG2062291	
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	05/18/2023 14:50	WG2062291	
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/18/2023 14:50	WG2062291	
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/18/2023 14:50	WG2062291	
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 14:50	WG2062291	
Dibromomethane	U		0.0400	0.200	1	05/18/2023 14:50	WG2062291	
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 14:50	WG2062291	
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 14:50	WG2062291	
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 14:50	WG2062291	
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 14:50	WG2062291	
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 14:50	WG2062291	
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 14:50	WG2062291	
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 14:50	WG2062291	
cis-1,2-Dichloroethene	1.29		0.0276	0.100	1	05/18/2023 14:50	WG2062291	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 14:50	WG2062291	
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 14:50	WG2062291	
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 14:50	WG2062291	
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 14:50	WG2062291	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 14:50	WG2062291	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 14:50	WG2062291	
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 14:50	WG2062291	
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 14:50	WG2062291	
Ethylbenzene	0.0480	J	0.0212	0.100	1	05/18/2023 14:50	WG2062291	
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 14:50	WG2062291	
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 14:50	WG2062291	
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 14:50	WG2062291	
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 14:50	WG2062291	
Methylene Chloride	U		0.265	1.00	1	05/18/2023 14:50	WG2062291	
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 14:50	WG2062291	
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 14:50	WG2062291	
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 14:50	WG2062291	
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/18/2023 14:50	WG2062291	
Styrene	U		0.109	0.500	1	05/18/2023 14:50	WG2062291	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 14:50	WG2062291	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 14:50	WG2062291	
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 14:50	WG2062291	
Tetrachloroethene	0.0760	J	0.0280	0.100	1	05/18/2023 14:50	WG2062291	
Toluene	0.213		0.0500	0.200	1	05/18/2023 14:50	WG2062291	
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 14:50	WG2062291	
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 14:50	WG2062291	
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 14:50	WG2062291	JC 6/14/23

Volatile Organic 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	05/18/2023 14:50	WG2062291
Trichloroethene	U		0.0160	0.0400	1	05/18/2023 14:50	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 14:50	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 14:50	WG2062291
1,2,4-Trimethylbenzene	U	UJ C3	0.0464	0.200	1	05/18/2023 14:50	WG2062291
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/18/2023 14:50	WG2062291
1,3,5-Trimethylbenzene	U	UJ C3	0.0432	0.200	1	05/18/2023 14:50	WG2062291
Vinyl chloride	15.8		0.0273	0.100	1	05/18/2023 14:50	WG2062291
Xylenes, Total	0.306		0.191	0.260	1	05/18/2023 14:50	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 14:50	WG2062291
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/18/2023 14:50	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 14:50	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 14:50	WG2062291
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 14:50	WG2062291
(S) Toluene-d8	*108*			*75.0-131*		*05/18/2023 14:50*	WG2062291
(S) 4-Bromofluorobenzene	*98.8*			*67.0-138*		*05/18/2023 14:50*	WG2062291
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/18/2023 14:50*	WG2062291

JC 6/14/23

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	45.8		0.548	1.00	1	05/18/2023 15:09	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 15:09	WG2062291
Benzene	U		0.0160	0.0400	1	05/18/2023 15:09	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 15:09	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 15:09	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 15:09	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 15:09	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 15:09	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 15:09	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 15:09	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 15:09	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 15:09	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 15:09	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 15:09	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 15:09	WG2062291
Chloromethane	0.899		0.0556	0.500	1	05/18/2023 15:09	WG2062291
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	05/18/2023 15:09	WG2062291
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/18/2023 15:09	WG2062291
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/18/2023 15:09	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 15:09	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 15:09	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 15:09	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 15:09	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 15:09	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 15:09	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 15:09	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 15:09	WG2062291
1,1-Dichloroethene	0.245		0.0200	0.100	1	05/18/2023 15:09	WG2062291
cis-1,2-Dichloroethene	148		0.138	0.500	5	05/22/2023 01:45	WG2063702
trans-1,2-Dichloroethene	0.109	J	0.0572	0.200	1	05/18/2023 15:09	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 15:09	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 15:09	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 15:09	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 15:09	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 15:09	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 15:09	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 15:09	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 15:09	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 15:09	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 15:09	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 15:09	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 15:09	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 15:09	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 15:09	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 15:09	WG2062291
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 15:09	WG2062291
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/18/2023 15:09	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 15:09	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 15:09	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 15:09	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 15:09	WG2062291
Tetrachloroethene	0.0790	J	0.0280	0.100	1	05/18/2023 15:09	WG2062291
Toluene	U		0.0500	0.200	1	05/18/2023 15:09	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 15:09	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 15:09	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 15:09	WG2062291

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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	05/18/2023 15:09	WG2062291
Trichloroethene	U		0.0160	0.0400	1	05/18/2023 15:09	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 15:09	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 15:09	WG2062291
1,2,4-Trimethylbenzene	U	UJ C3	0.0464	0.200	1	05/18/2023 15:09	WG2062291
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/18/2023 15:09	WG2062291
1,3,5-Trimethylbenzene	U	UJ C3	0.0432	0.200	1	05/18/2023 15:09	WG2062291
Vinyl chloride	111		0.137	0.500	5	05/22/2023 01:45	WG2063702
Xylenes, Total	U		0.191	0.260	1	05/18/2023 15:09	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 15:09	WG2062291
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/18/2023 15:09	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 15:09	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 15:09	WG2062291
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 15:09	WG2062291
(S) Toluene-d8	*106*			*75.0-131*		*05/18/2023 15:09*	WG2062291
(S) Toluene-d8	*100*			*75.0-131*		*05/22/2023 01:45*	WG2063702
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/18/2023 15:09*	WG2062291
(S) 4-Bromofluorobenzene	*79.1*			*67.0-138*		*05/22/2023 01:45*	WG2063702
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/18/2023 15:09*	WG2062291
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/22/2023 01:45*	WG2063702

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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		0.548	1.00	1	05/18/2023 15:28	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 15:28	WG2062291
Benzene	U		0.0160	0.0400	1	05/18/2023 15:28	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 15:28	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 15:28	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 15:28	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 15:28	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 15:28	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 15:28	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 15:28	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 15:28	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 15:28	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 15:28	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 15:28	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 15:28	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 15:28	WG2062291
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	05/18/2023 15:28	WG2062291
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/18/2023 15:28	WG2062291
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/18/2023 15:28	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 15:28	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 15:28	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 15:28	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 15:28	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 15:28	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 15:28	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 15:28	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 15:28	WG2062291
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 15:28	WG2062291
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/22/2023 00:09	WG2063702
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 15:28	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 15:28	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 15:28	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 15:28	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 15:28	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 15:28	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 15:28	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 15:28	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 15:28	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 15:28	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 15:28	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 15:28	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 15:28	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 15:28	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 15:28	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 15:28	WG2062291
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 15:28	WG2062291
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/18/2023 15:28	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 15:28	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 15:28	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 15:28	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 15:28	WG2062291
Tetrachloroethene	0.0400	J	0.0280	0.100	1	05/22/2023 00:09	WG2063702
Toluene	U		0.0500	0.200	1	05/18/2023 15:28	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 15:28	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 15:28	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 15:28	WG2062291

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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	05/18/2023 15:28	WG2062291
Trichloroethene	U		0.0160	0.0400	1	05/18/2023 15:28	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 15:28	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 15:28	WG2062291
1,2,4-Trimethylbenzene	U	UJ C3	0.0464	0.200	1	05/18/2023 15:28	WG2062291
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/18/2023 15:28	WG2062291
1,3,5-Trimethylbenzene	U	UJ C3	0.0432	0.200	1	05/18/2023 15:28	WG2062291
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 15:28	WG2062291
Xylenes, Total	0.194	J	0.191	0.260	1	05/18/2023 15:28	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 15:28	WG2062291
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/18/2023 15:28	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 15:28	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 15:28	WG2062291
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 15:28	WG2062291
(S) Toluene-d8	*111*			*75.0-131*		*05/18/2023 15:28*	WG2062291
(S) Toluene-d8	*102*			*75.0-131*		*05/22/2023 00:09*	WG2063702
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/18/2023 15:28*	WG2062291
(S) 4-Bromofluorobenzene	*80.1*			*67.0-138*		*05/22/2023 00:09*	WG2063702
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/18/2023 15:28*	WG2062291
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*05/22/2023 00:09*	WG2063702

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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	3.05		0.548	1.00	1	05/18/2023 15:48	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 15:48	WG2062291
Benzene	0.0220	J	0.0160	0.0400	1	05/18/2023 15:48	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 15:48	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 15:48	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 15:48	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 15:48	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 15:48	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 15:48	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 15:48	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 15:48	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 15:48	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 15:48	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 15:48	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 15:48	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 15:48	WG2062291
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	05/18/2023 15:48	WG2062291
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/18/2023 15:48	WG2062291
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/18/2023 15:48	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 15:48	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 15:48	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 15:48	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 15:48	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 15:48	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 15:48	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 15:48	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 15:48	WG2062291
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 15:48	WG2062291
cis-1,2-Dichloroethene	0.286		0.0276	0.100	1	05/18/2023 15:48	WG2062291
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 15:48	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 15:48	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 15:48	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 15:48	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 15:48	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 15:48	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 15:48	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 15:48	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 15:48	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 15:48	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 15:48	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 15:48	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 15:48	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 15:48	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 15:48	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 15:48	WG2062291
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 15:48	WG2062291
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/18/2023 15:48	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 15:48	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 15:48	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 15:48	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 15:48	WG2062291
Tetrachloroethene	0.0880	J	0.0280	0.100	1	05/18/2023 15:48	WG2062291
Toluene	U		0.0500	0.200	1	05/18/2023 15:48	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 15:48	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 15:48	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 15:48	WG2062291

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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	05/18/2023 15:48	WG2062291
Trichloroethene	0.0700		0.0160	0.0400	1	05/18/2023 15:48	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 15:48	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 15:48	WG2062291
1,2,4-Trimethylbenzene	U	UJ C3	0.0464	0.200	1	05/18/2023 15:48	WG2062291
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/18/2023 15:48	WG2062291
1,3,5-Trimethylbenzene	U	UJ C3	0.0432	0.200	1	05/18/2023 15:48	WG2062291
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 15:48	WG2062291
Xylenes, Total	U		0.191	0.260	1	05/18/2023 15:48	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 15:48	WG2062291
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/18/2023 15:48	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 15:48	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 15:48	WG2062291
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 15:48	WG2062291
(S) Toluene-d8	*110*			*75.0-131*		*05/18/2023 15:48*	WG2062291
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/18/2023 15:48*	WG2062291
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/18/2023 15:48*	WG2062291

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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	1.54		0.548	1.00	1	05/18/2023 16:07	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 16:07	WG2062291
Benzene	0.0200	J	0.0160	0.0400	1	05/18/2023 16:07	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 16:07	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 16:07	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 16:07	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 16:07	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 16:07	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 16:07	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 16:07	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 16:07	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 16:07	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 16:07	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 16:07	WG2062291
Chloroform	0.140		0.0166	0.100	1	05/18/2023 16:07	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 16:07	WG2062291
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	05/18/2023 16:07	WG2062291
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/18/2023 16:07	WG2062291
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/18/2023 16:07	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 16:07	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 16:07	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 16:07	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 16:07	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 16:07	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 16:07	WG2062291
1,1-Dichloroethane	0.730		0.0230	0.100	1	05/18/2023 16:07	WG2062291
1,2-Dichloroethane	0.193		0.0190	0.100	1	05/18/2023 16:07	WG2062291
1,1-Dichloroethene	0.174		0.0200	0.100	1	05/18/2023 16:07	WG2062291
cis-1,2-Dichloroethene	18.2		0.0276	0.100	1	05/18/2023 16:07	WG2062291
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 16:07	WG2062291
1,2-Dichloropropane	0.497		0.0508	0.200	1	05/18/2023 16:07	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 16:07	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 16:07	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 16:07	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 16:07	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 16:07	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 16:07	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 16:07	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 16:07	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 16:07	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 16:07	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 16:07	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 16:07	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 16:07	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 16:07	WG2062291
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 16:07	WG2062291
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/18/2023 16:07	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 16:07	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 16:07	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 16:07	WG2062291
1,1,2-Trichlorotrifluoroethane	0.228		0.0270	0.100	1	05/18/2023 16:07	WG2062291
Tetrachloroethene	68.3		0.0280	0.100	1	05/18/2023 16:07	WG2062291
Toluene	U		0.0500	0.200	1	05/18/2023 16:07	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 16:07	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 16:07	WG2062291
1,1,1-Trichloroethane	0.204		0.0110	0.100	1	05/18/2023 16:07	WG2062291

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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	05/18/2023 16:07	WG2062291
Trichloroethene	17.6		0.0160	0.0400	1	05/18/2023 16:07	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 16:07	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 16:07	WG2062291
1,2,4-Trimethylbenzene	U	UJ C3	0.0464	0.200	1	05/18/2023 16:07	WG2062291
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/18/2023 16:07	WG2062291
1,3,5-Trimethylbenzene	U	UJ C3	0.0432	0.200	1	05/18/2023 16:07	WG2062291
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 16:07	WG2062291
Xylenes, Total	U		0.191	0.260	1	05/18/2023 16:07	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 16:07	WG2062291
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/18/2023 16:07	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 16:07	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 16:07	WG2062291
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 16:07	WG2062291
(S) Toluene-d8	*108*			*75.0-131*		*05/18/2023 16:07*	WG2062291
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/18/2023 16:07*	WG2062291
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/18/2023 16:07*	WG2062291

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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	1.76		0.548	1.00	1	05/18/2023 16:26	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 16:26	WG2062291
Benzene	0.0430		0.0160	0.0400	1	05/18/2023 16:26	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 16:26	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 16:26	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 16:26	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 16:26	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 16:26	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 16:26	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 16:26	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 16:26	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 16:26	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 16:26	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 16:26	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 16:26	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 16:26	WG2062291
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	05/18/2023 16:26	WG2062291
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/18/2023 16:26	WG2062291
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/18/2023 16:26	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 16:26	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 16:26	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 16:26	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 16:26	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 16:26	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 16:26	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 16:26	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 16:26	WG2062291
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 16:26	WG2062291
cis-1,2-Dichloroethene	0.0430	J	0.0276	0.100	1	05/18/2023 16:26	WG2062291
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 16:26	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 16:26	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 16:26	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 16:26	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 16:26	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 16:26	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 16:26	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 16:26	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 16:26	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 16:26	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 16:26	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 16:26	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 16:26	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 16:26	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 16:26	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 16:26	WG2062291
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 16:26	WG2062291
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/18/2023 16:26	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 16:26	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 16:26	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 16:26	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 16:26	WG2062291
Tetrachloroethene	0.121		0.0280	0.100	1	05/18/2023 16:26	WG2062291
Toluene	U		0.0500	0.200	1	05/18/2023 16:26	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 16:26	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 16:26	WG2062291 JC 6/14/23
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 16:26	WG2062291

Volatile Organic 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	05/18/2023 16:26	WG2062291
Trichloroethene	U		0.0160	0.0400	1	05/18/2023 16:26	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 16:26	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 16:26	WG2062291
1,2,4-Trimethylbenzene	U	UJ C3	0.0464	0.200	1	05/18/2023 16:26	WG2062291
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/18/2023 16:26	WG2062291
1,3,5-Trimethylbenzene	U	UJ C3	0.0432	0.200	1	05/18/2023 16:26	WG2062291
Vinyl chloride	0.592		0.0273	0.100	1	05/18/2023 16:26	WG2062291
Xylenes, Total	U		0.191	0.260	1	05/18/2023 16:26	WG2062291
Ethyl Ether	0.195		0.0170	0.100	1	05/18/2023 16:26	WG2062291
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/18/2023 16:26	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 16:26	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 16:26	WG2062291
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 16:26	WG2062291
(S) Toluene-d8	*110*			*75.0-131*		*05/18/2023 16:26*	WG2062291
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/18/2023 16:26*	WG2062291
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/18/2023 16:26*	WG2062291

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	33700		594	5000	1	05/23/2023 01:22	WG2063729

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	7570		102	1000	1	05/18/2023 23:09	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	3090		28.1	100	1	05/23/2023 19:03	WG2060155
Manganese	3490		0.704	5.00	1	05/23/2023 19:03	WG2060155

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	13400		2.87	6.78	10	05/23/2023 16:04	WG2065249
Ethane	48.0		0.296	1.29	1	05/23/2023 11:59	WG2062915
Ethene	2.09		0.422	1.27	1	05/23/2023 11:59	WG2062915

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	1.55		0.548	1.00	1	05/18/2023 16:44	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 16:44	WG2062291
Benzene	0.130		0.0160	0.0400	1	05/18/2023 16:44	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 16:44	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 16:44	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 16:44	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 16:44	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 16:44	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 16:44	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 16:44	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 16:44	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 16:44	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 16:44	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 16:44	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 16:44	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 16:44	WG2062291
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	05/18/2023 16:44	WG2062291
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/18/2023 16:44	WG2062291
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/18/2023 16:44	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 16:44	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 16:44	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 16:44	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 16:44	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 16:44	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 16:44	WG2062291
1,1-Dichloroethane	0.0450	J	0.0230	0.100	1	05/18/2023 16:44	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 16:44	WG2062291
1,1-Dichloroethene	1.28		0.0200	0.100	1	05/18/2023 16:44	WG2062291
cis-1,2-Dichloroethene	360		0.276	1.00	10	05/22/2023 02:05	WG2063702
trans-1,2-Dichloroethene	1.70		0.0572	0.200	1	05/18/2023 16:44	WG2062291
1,2-Dichloropropane	0.109	J	0.0508	0.200	1	05/18/2023 16:44	WG2062291

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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	
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 16:44	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 16:44	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 16:44	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 16:44	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 16:44	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 16:44	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 16:44	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 16:44	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 16:44	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 16:44	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 16:44	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 16:44	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 16:44	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 16:44	WG2062291
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 16:44	WG2062291
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/18/2023 16:44	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 16:44	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 16:44	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 16:44	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 16:44	WG2062291
Tetrachloroethene	567		0.280	1.00	10	05/22/2023 02:05	WG2063702
Toluene	U		0.0500	0.200	1	05/18/2023 16:44	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 16:44	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 16:44	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 16:44	WG2062291
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 16:44	WG2062291
Trichloroethene	198		0.160	0.400	10	05/22/2023 02:05	WG2063702
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 16:44	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 16:44	WG2062291
1,2,4-Trimethylbenzene	U	UJ C3	0.0464	0.200	1	05/18/2023 16:44	WG2062291
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/18/2023 16:44	WG2062291
1,3,5-Trimethylbenzene	U	UJ C3	0.0432	0.200	1	05/18/2023 16:44	WG2062291
Vinyl chloride	2.23		0.0273	0.100	1	05/18/2023 16:44	WG2062291
Xylenes, Total	U		0.191	0.260	1	05/18/2023 16:44	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 16:44	WG2062291
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/18/2023 16:44	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 16:44	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 16:44	WG2062291
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 16:44	WG2062291
(S) Toluene-d8	*108*			*75.0-131*		*05/18/2023 16:44*	WG2062291
(S) Toluene-d8	*103*			*75.0-131*		*05/22/2023 02:05*	WG2063702
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*05/18/2023 16:44*	WG2062291
(S) 4-Bromofluorobenzene	*81.4*			*67.0-138*		*05/22/2023 02:05*	WG2063702
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/18/2023 16:44*	WG2062291
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*05/22/2023 02:05*	WG2063702

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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		0.548	1.00	1	05/18/2023 17:04	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 17:04	WG2062291
Benzene	U		0.0160	0.0400	1	05/18/2023 17:04	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 17:04	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 17:04	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 17:04	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 17:04	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 17:04	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 17:04	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 17:04	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 17:04	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 17:04	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 17:04	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 17:04	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 17:04	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 17:04	WG2062291
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	05/18/2023 17:04	WG2062291
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/18/2023 17:04	WG2062291
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/18/2023 17:04	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 17:04	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 17:04	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 17:04	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 17:04	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 17:04	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 17:04	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 17:04	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 17:04	WG2062291
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 17:04	WG2062291
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/22/2023 00:28	WG2063702
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 17:04	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 17:04	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 17:04	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 17:04	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 17:04	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 17:04	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 17:04	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 17:04	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 17:04	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 17:04	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 17:04	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 17:04	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 17:04	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 17:04	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 17:04	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 17:04	WG2062291
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 17:04	WG2062291
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/18/2023 17:04	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 17:04	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 17:04	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 17:04	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 17:04	WG2062291
Tetrachloroethene	U		0.0280	0.100	1	05/22/2023 00:28	WG2063702
Toluene	U		0.0500	0.200	1	05/18/2023 17:04	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 17:04	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 17:04	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 17:04	WG2062291

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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	05/18/2023 17:04	WG2062291
Trichloroethene	U		0.0160	0.0400	1	05/22/2023 00:28	WG2063702
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 17:04	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 17:04	WG2062291
1,2,4-Trimethylbenzene	U	UJ C3	0.0464	0.200	1	05/18/2023 17:04	WG2062291
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/18/2023 17:04	WG2062291
1,3,5-Trimethylbenzene	U	UJ C3	0.0432	0.200	1	05/18/2023 17:04	WG2062291
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 17:04	WG2062291
Xylenes, Total	U		0.191	0.260	1	05/18/2023 17:04	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 17:04	WG2062291
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/18/2023 17:04	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 17:04	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 17:04	WG2062291
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 17:04	WG2062291
(S) Toluene-d8	*107*			*75.0-131*		*05/18/2023 17:04*	WG2062291
(S) Toluene-d8	*101*			*75.0-131*		*05/22/2023 00:28*	WG2063702
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/18/2023 17:04*	WG2062291
(S) 4-Bromofluorobenzene	*83.7*			*67.0-138*		*05/22/2023 00:28*	WG2063702
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*05/18/2023 17:04*	WG2062291
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*05/22/2023 00:28*	WG2063702

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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	1.86		0.548	1.00	1	05/18/2023 17:23	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 17:23	WG2062291
Benzene	U		0.0160	0.0400	1	05/18/2023 17:23	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 17:23	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 17:23	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 17:23	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 17:23	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 17:23	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 17:23	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 17:23	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 17:23	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 17:23	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 17:23	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 17:23	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 17:23	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 17:23	WG2062291
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	05/18/2023 17:23	WG2062291
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/18/2023 17:23	WG2062291
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/18/2023 17:23	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 17:23	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 17:23	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 17:23	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 17:23	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 17:23	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 17:23	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 17:23	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 17:23	WG2062291
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 17:23	WG2062291
cis-1,2-Dichloroethene	0.155		0.0276	0.100	1	05/22/2023 00:47	WG2063702
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 17:23	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 17:23	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 17:23	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 17:23	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 17:23	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 17:23	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 17:23	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 17:23	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 17:23	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 17:23	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 17:23	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 17:23	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 17:23	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 17:23	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 17:23	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 17:23	WG2062291
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 17:23	WG2062291
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/18/2023 17:23	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 17:23	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 17:23	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 17:23	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 17:23	WG2062291
Tetrachloroethene	U		0.0280	0.100	1	05/22/2023 00:47	WG2063702
Toluene	U		0.0500	0.200	1	05/18/2023 17:23	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 17:23	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 17:23	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 17:23	WG2062291

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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	05/18/2023 17:23	WG2062291
Trichloroethene	U		0.0160	0.0400	1	05/18/2023 17:23	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 17:23	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 17:23	WG2062291
1,2,4-Trimethylbenzene	U	UJ C3	0.0464	0.200	1	05/18/2023 17:23	WG2062291
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/18/2023 17:23	WG2062291
1,3,5-Trimethylbenzene	U	UJ C3	0.0432	0.200	1	05/18/2023 17:23	WG2062291
Vinyl chloride	0.388		0.0273	0.100	1	05/18/2023 17:23	WG2062291
Xylenes, Total	U		0.191	0.260	1	05/18/2023 17:23	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 17:23	WG2062291
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/18/2023 17:23	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 17:23	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 17:23	WG2062291
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 17:23	WG2062291
(S) Toluene-d8	*107*			*75.0-131*		*05/18/2023 17:23*	WG2062291
(S) Toluene-d8	*103*			*75.0-131*		*05/22/2023 00:47*	WG2063702
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/18/2023 17:23*	WG2062291
(S) 4-Bromofluorobenzene	*80.4*			*67.0-138*		*05/22/2023 00:47*	WG2063702
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*05/18/2023 17:23*	WG2062291
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*05/22/2023 00:47*	WG2063702

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	19900		594	5000	1	05/23/2023 01:36	WG2063729

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)	11800		102	1000	1	05/19/2023 00:15	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1370		28.1	100	1	05/23/2023 19:07	WG2060155
Manganese	567		0.704	5.00	1	05/23/2023 19:07	WG2060155

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3800		0.287	0.678	1	05/23/2023 12:04	WG2062915
Ethane	48.2		0.296	1.29	1	05/23/2023 12:04	WG2062915
Ethene	135		0.422	1.27	1	05/23/2023 12:04	WG2062915

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	2.78		0.548	1.00	1	05/18/2023 17:42	WG2062291	
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 17:42	WG2062291	
Benzene	U		0.0160	0.0400	1	05/18/2023 17:42	WG2062291	
Bromobenzene	U		0.0420	0.500	1	05/18/2023 17:42	WG2062291	
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 17:42	WG2062291	
Bromoform	U		0.239	1.00	1	05/18/2023 17:42	WG2062291	
Bromomethane	U		0.148	0.500	1	05/18/2023 17:42	WG2062291	
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 17:42	WG2062291	
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 17:42	WG2062291	
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 17:42	WG2062291	
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 17:42	WG2062291	
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 17:42	WG2062291	
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 17:42	WG2062291	
Chloroethane	U		0.0432	0.200	1	05/18/2023 17:42	WG2062291	
Chloroform	U		0.0166	0.100	1	05/18/2023 17:42	WG2062291	
Chloromethane	U		0.0556	0.500	1	05/18/2023 17:42	WG2062291	
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	05/18/2023 17:42	WG2062291	
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/18/2023 17:42	WG2062291	
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/18/2023 17:42	WG2062291	
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 17:42	WG2062291	
Dibromomethane	U		0.0400	0.200	1	05/18/2023 17:42	WG2062291	
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 17:42	WG2062291	
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 17:42	WG2062291	
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 17:42	WG2062291	
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 17:42	WG2062291	
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 17:42	WG2062291	
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 17:42	WG2062291	
1,1-Dichloroethene	0.189		0.0200	0.100	1	05/18/2023 17:42	WG2062291	
cis-1,2-Dichloroethene	18.3		0.0276	0.100	1	05/18/2023 17:42	WG2062291	
trans-1,2-Dichloroethene	0.330		0.0572	0.200	1	05/18/2023 17:42	WG2062291	JC 6/14/23
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 17:42	WG2062291	

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		0.0280	0.100	1	05/18/2023 17:42	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 17:42	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 17:42	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 17:42	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 17:42	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 17:42	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 17:42	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 17:42	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 17:42	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 17:42	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 17:42	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 17:42	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 17:42	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 17:42	WG2062291
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 17:42	WG2062291
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/18/2023 17:42	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 17:42	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 17:42	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 17:42	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 17:42	WG2062291
Tetrachloroethene	0.0650	J	0.0280	0.100	1	05/18/2023 17:42	WG2062291
Toluene	U		0.0500	0.200	1	05/18/2023 17:42	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 17:42	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 17:42	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 17:42	WG2062291
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 17:42	WG2062291
Trichloroethene	0.0660		0.0160	0.0400	1	05/18/2023 17:42	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 17:42	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 17:42	WG2062291
1,2,4-Trimethylbenzene	U	UJ C3	0.0464	0.200	1	05/18/2023 17:42	WG2062291
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/18/2023 17:42	WG2062291
1,3,5-Trimethylbenzene	U	UJ C3	0.0432	0.200	1	05/18/2023 17:42	WG2062291
Vinyl chloride	108		0.137	0.500	5	05/22/2023 02:24	WG2063702
Xylenes, Total	U		0.191	0.260	1	05/18/2023 17:42	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 17:42	WG2062291
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/18/2023 17:42	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 17:42	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 17:42	WG2062291
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 17:42	WG2062291
(S) Toluene-d8	*109*			*75.0-131*		*05/18/2023 17:42*	WG2062291
(S) Toluene-d8	*103*			*75.0-131*		*05/22/2023 02:24*	WG2063702
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/18/2023 17:42*	WG2062291
(S) 4-Bromofluorobenzene	*78.1*			*67.0-138*		*05/22/2023 02:24*	WG2063702
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/18/2023 17:42*	WG2062291
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*05/22/2023 02:24*	WG2063702

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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	1.72		0.548	1.00	1	05/18/2023 18:01	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 18:01	WG2062291
Benzene	U		0.0160	0.0400	1	05/18/2023 18:01	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 18:01	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 18:01	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 18:01	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 18:01	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 18:01	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 18:01	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 18:01	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 18:01	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 18:01	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 18:01	WG2062291
Chloroethane	U		0.0432	0.200	1	05/18/2023 18:01	WG2062291
Chloroform	0.0640	J	0.0166	0.100	1	05/18/2023 18:01	WG2062291
Chloromethane	U		0.0556	0.500	1	05/18/2023 18:01	WG2062291
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	05/18/2023 18:01	WG2062291
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/18/2023 18:01	WG2062291
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/18/2023 18:01	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 18:01	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 18:01	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 18:01	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 18:01	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 18:01	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 18:01	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 18:01	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 18:01	WG2062291
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 18:01	WG2062291
cis-1,2-Dichloroethene	0.254		0.0276	0.100	1	05/18/2023 18:01	WG2062291
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 18:01	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 18:01	WG2062291
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 18:01	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 18:01	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 18:01	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 18:01	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 18:01	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 18:01	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 18:01	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 18:01	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 18:01	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 18:01	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 18:01	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 18:01	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 18:01	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 18:01	WG2062291
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 18:01	WG2062291
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/18/2023 18:01	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 18:01	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 18:01	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 18:01	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 18:01	WG2062291
Tetrachloroethene	37.9		0.0280	0.100	1	05/18/2023 18:01	WG2062291
Toluene	U		0.0500	0.200	1	05/18/2023 18:01	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 18:01	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 18:01	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 18:01	WG2062291

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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	05/18/2023 18:01	WG2062291
Trichloroethene	2.86		0.0160	0.0400	1	05/18/2023 18:01	WG2062291
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 18:01	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 18:01	WG2062291
1,2,4-Trimethylbenzene	U	UJ C3	0.0464	0.200	1	05/18/2023 18:01	WG2062291
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/18/2023 18:01	WG2062291
1,3,5-Trimethylbenzene	U	UJ C3	0.0432	0.200	1	05/18/2023 18:01	WG2062291
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 18:01	WG2062291
Xylenes, Total	U		0.191	0.260	1	05/18/2023 18:01	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 18:01	WG2062291
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/18/2023 18:01	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 18:01	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 18:01	WG2062291
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 18:01	WG2062291
(S) Toluene-d8	*109*			*75.0-131*		*05/18/2023 18:01*	WG2062291
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/18/2023 18:01*	WG2062291
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/18/2023 18:01*	WG2062291

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	12700		594	5000	1	05/23/2023 02:17	WG2063729

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	6150		102	1000	1	05/19/2023 00:35	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	6390		281	1000	10	05/24/2023 12:05	WG2060866
Manganese	1710		7.04	50.0	10	05/24/2023 12:05	WG2060866

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	21300		2.87	6.78	10	05/23/2023 16:08	WG2065249
Ethane	366		0.296	1.29	1	05/23/2023 12:43	WG2062915
Ethene	241		0.422	1.27	1	05/23/2023 12:43	WG2062915

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			5.48	10.0	10	05/19/2023 05:57	WG2062690	
Acrylonitrile	U			0.760	5.00	10	05/19/2023 05:57	WG2062690	
Benzene	0.630			0.160	0.400	10	05/19/2023 05:57	WG2062690	
Bromobenzene	U			0.420	5.00	10	05/19/2023 05:57	WG2062690	
Bromodichloromethane	U			0.315	1.00	10	05/19/2023 05:57	WG2062690	
Bromoform	U			2.39	10.0	10	05/19/2023 05:57	WG2062690	
Bromomethane	U			1.48	5.00	10	05/19/2023 05:57	WG2062690	
n-Butylbenzene	U	UJ	C3	1.53	5.00	10	05/19/2023 05:57	WG2062690	
sec-Butylbenzene	U			1.01	5.00	10	05/19/2023 05:57	WG2062690	
tert-Butylbenzene	U	UJ	C3	0.620	2.00	10	05/19/2023 05:57	WG2062690	
Carbon tetrachloride	U			0.432	2.00	10	05/19/2023 05:57	WG2062690	
Chlorobenzene	U			0.229	1.00	10	05/19/2023 05:57	WG2062690	
Chlorodibromomethane	U			0.180	1.00	10	05/19/2023 05:57	WG2062690	
Chloroethane	U			0.432	2.00	10	05/19/2023 05:57	WG2062690	
Chloroform	U			0.166	1.00	10	05/19/2023 05:57	WG2062690	
Chloromethane	U			0.556	5.00	10	05/19/2023 05:57	WG2062690	
2-Chlorotoluene	U			0.368	1.00	10	05/19/2023 05:57	WG2062690	
4-Chlorotoluene	U	UJ	C3	0.452	2.00	10	05/19/2023 05:57	WG2062690	
1,2-Dibromo-3-Chloropropane	U			2.04	10.0	10	05/19/2023 05:57	WG2062690	
1,2-Dibromoethane	U			0.210	1.00	10	05/19/2023 05:57	WG2062690	
Dibromomethane	U			0.400	2.00	10	05/19/2023 05:57	WG2062690	
1,2-Dichlorobenzene	U			0.580	2.00	10	05/19/2023 05:57	WG2062690	
1,3-Dichlorobenzene	U			0.680	2.00	10	05/19/2023 05:57	WG2062690	
1,4-Dichlorobenzene	U			0.788	2.00	10	05/19/2023 05:57	WG2062690	
Dichlorodifluoromethane	U	UJ	C3	0.327	1.00	10	05/19/2023 05:57	WG2062690	
1,1-Dichloroethane	U			0.230	1.00	10	05/19/2023 05:57	WG2062690	
1,2-Dichloroethane	U			0.190	1.00	10	05/19/2023 05:57	WG2062690	
1,1-Dichloroethene	U			0.200	1.00	10	05/19/2023 05:57	WG2062690	
cis-1,2-Dichloroethene	11.1			0.276	1.00	10	05/19/2023 05:57	WG2062690	
trans-1,2-Dichloroethene	U			0.572	2.00	10	05/19/2023 05:57	WG2062690	JC 6/14/23
1,2-Dichloropropane	U			0.508	2.00	10	05/19/2023 05:57	WG2062690	

Volatile Organic 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	05/19/2023 05:57	WG2062690
1,3-Dichloropropane	U		0.700	2.00	10	05/19/2023 05:57	WG2062690
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/19/2023 05:57	WG2062690
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/19/2023 05:57	WG2062690
2,2-Dichloropropane	U		0.317	1.00	10	05/19/2023 05:57	WG2062690
Di-isopropyl ether	U		0.140	0.400	10	05/19/2023 05:57	WG2062690
Ethylbenzene	U		0.212	1.00	10	05/19/2023 05:57	WG2062690
Hexachloro-1,3-butadiene	U	~~J4~~	5.08	10.0	10	05/19/2023 05:57	WG2062690
Isopropylbenzene	U		0.345	1.00	10	05/19/2023 05:57	WG2062690
p-Isopropyltoluene	U		0.932	2.00	10	05/19/2023 05:57	WG2062690
2-Butanone (MEK)	U	UJ C3	5.00	10.0	10	05/19/2023 05:57	WG2062690
Methylene Chloride	U		2.65	10.0	10	05/19/2023 05:57	WG2062690
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/19/2023 05:57	WG2062690
Methyl tert-butyl ether	U		0.118	0.400	10	05/19/2023 05:57	WG2062690
Naphthalene	U		1.24	5.00	10	05/19/2023 05:57	WG2062690
n-Propylbenzene	U	UJ C3	0.472	2.00	10	05/19/2023 05:57	WG2062690
Styrene	U		1.09	5.00	10	05/19/2023 05:57	WG2062690
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/19/2023 05:57	WG2062690
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/19/2023 05:57	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/19/2023 05:57	WG2062690
Tetrachloroethene	0.440	J	0.280	1.00	10	05/19/2023 05:57	WG2062690
Toluene	U		0.500	2.00	10	05/19/2023 05:57	WG2062690
1,2,3-Trichlorobenzene	U		0.250	5.00	10	05/19/2023 05:57	WG2062690
1,2,4-Trichlorobenzene	U	~~J4~~	1.93	5.00	10	05/19/2023 05:57	WG2062690
1,1,1-Trichloroethane	U		0.110	1.00	10	05/19/2023 05:57	WG2062690
1,1,2-Trichloroethane	U		0.353	1.00	10	05/19/2023 05:57	WG2062690
Trichloroethene	0.700		0.160	0.400	10	05/19/2023 05:57	WG2062690
Trichlorofluoromethane	U		0.200	1.00	10	05/19/2023 05:57	WG2062690
1,2,3-Trichloropropane	U		2.04	5.00	10	05/19/2023 05:57	WG2062690
1,2,4-Trimethylbenzene	U		0.464	2.00	10	05/19/2023 05:57	WG2062690
1,2,3-Trimethylbenzene	0.770	J	0.460	2.00	10	05/19/2023 05:57	WG2062690
1,3,5-Trimethylbenzene	1.11	J	0.432	2.00	10	05/19/2023 05:57	WG2062690
Vinyl chloride	183	J	0.273	1.00	10	05/19/2023 05:57	WG2062690
Xylenes, Total	U		1.91	2.60	10	05/19/2023 05:57	WG2062690
Ethyl Ether	U		0.170	1.00	10	05/19/2023 05:57	WG2062690
Tetrahydrofuran	U		0.900	5.00	10	05/19/2023 05:57	WG2062690
Iodomethane	U		2.42	5.00	10	05/19/2023 05:57	WG2062690
Allyl chloride	U		5.80	10.0	10	05/19/2023 05:57	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.560	2.00	10	05/19/2023 05:57	WG2062690
(S) Toluene-d8	*103*			*75.0-131*		*05/19/2023 05:57*	WG2062690
(S) 4-Bromofluorobenzene	*77.2*			*67.0-138*		*05/19/2023 05:57*	WG2062690
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/19/2023 05:57*	WG2062690

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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		0.548	1.00	1	05/19/2023 00:09	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 00:09	WG2062690
Benzene	0.0310	J	0.0160	0.0400	1	05/19/2023 00:09	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 00:09	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 00:09	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 00:09	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 00:09	WG2062690
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/19/2023 00:09	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 00:09	WG2062690
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/19/2023 00:09	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 00:09	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 00:09	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 00:09	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 00:09	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 00:09	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 00:09	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 00:09	WG2062690
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/19/2023 00:09	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 00:09	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 00:09	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 00:09	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 00:09	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 00:09	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 00:09	WG2062690
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	05/19/2023 00:09	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 00:09	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 00:09	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 00:09	WG2062690
cis-1,2-Dichloroethene	11.1		0.0276	0.100	1	05/19/2023 00:09	WG2062690
trans-1,2-Dichloroethene	0.802		0.0572	0.200	1	05/19/2023 00:09	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 00:09	WG2062690
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2023 00:09	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 00:09	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 00:09	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 00:09	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 00:09	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 00:09	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 00:09	WG2062690
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/19/2023 00:09	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 00:09	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 00:09	WG2062690
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 00:09	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 00:09	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 00:09	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 00:09	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 00:09	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 00:09	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 00:09	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 00:09	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 00:09	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 00:09	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 00:09	WG2062690
Toluene	U		0.0500	0.200	1	05/19/2023 00:09	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 00:09	WG2062690
1,2,4-Trichlorobenzene	U	~~J4~~	0.193	0.500	1	05/19/2023 00:09	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 00:09	WG2062690

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 00:09	WG2062690
Trichloroethene	0.106		0.0160	0.0400	1	05/19/2023 00:09	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 00:09	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 00:09	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 00:09	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 00:09	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 00:09	WG2062690
Vinyl chloride	113	J	0.137	0.500	5	05/25/2023 03:45	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 00:09	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 00:09	WG2062690
Tetrahydrofuran	3.41		0.0900	0.500	1	05/19/2023 00:09	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 00:09	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 00:09	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 00:09	WG2062690
(S) Toluene-d8	*104*			*75.0-131*		*05/19/2023 00:09*	WG2062690
(S) Toluene-d8	*109*			*75.0-131*		*05/25/2023 03:45*	WG2065856
(S) 4-Bromofluorobenzene	*88.1*			*67.0-138*		*05/19/2023 00:09*	WG2062690
(S) 4-Bromofluorobenzene	*98.6*			*67.0-138*		*05/25/2023 03:45*	WG2065856
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/19/2023 00:09*	WG2062690
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*05/25/2023 03:45*	WG2065856

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	3890	J	594	5000	1	05/23/2023 03:25	WG2063729

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	15500		102	1000	1	05/19/2023 02:41	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	4890		28.1	100	1	05/23/2023 20:07	WG2060150
Manganese	1370		0.704	5.00	1	05/23/2023 20:07	WG2060150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	23500		2.87	6.78	10	05/23/2023 16:15	WG2065249
Ethane	148		0.296	1.29	1	05/23/2023 12:52	WG2062915
Ethene	2060		0.422	1.27	1	05/23/2023 12:52	WG2062915

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

Analyte	Result ug/l	Qualifier		MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U			0.548	1.00	1	05/19/2023 00:28	WG2062690
Acrylonitrile	U			0.0760	0.500	1	05/19/2023 00:28	WG2062690
Benzene	0.125			0.0160	0.0400	1	05/19/2023 00:28	WG2062690
Bromobenzene	U			0.0420	0.500	1	05/19/2023 00:28	WG2062690
Bromodichloromethane	U			0.0315	0.100	1	05/19/2023 00:28	WG2062690
Bromoform	U			0.239	1.00	1	05/19/2023 00:28	WG2062690
Bromomethane	U			0.148	0.500	1	05/19/2023 00:28	WG2062690
n-Butylbenzene	U	UJ	C3	0.153	0.500	1	05/19/2023 00:28	WG2062690
sec-Butylbenzene	U			0.101	0.500	1	05/19/2023 00:28	WG2062690
tert-Butylbenzene	U	UJ	C3	0.0620	0.200	1	05/19/2023 00:28	WG2062690
Carbon tetrachloride	U			0.0432	0.200	1	05/19/2023 00:28	WG2062690
Chlorobenzene	U			0.0229	0.100	1	05/19/2023 00:28	WG2062690
Chlorodibromomethane	U			0.0180	0.100	1	05/19/2023 00:28	WG2062690
Chloroethane	16.1			0.0432	0.200	1	05/19/2023 00:28	WG2062690
Chloroform	U			0.0166	0.100	1	05/19/2023 00:28	WG2062690
Chloromethane	U			0.0556	0.500	1	05/19/2023 00:28	WG2062690
2-Chlorotoluene	U			0.0368	0.100	1	05/19/2023 00:28	WG2062690
4-Chlorotoluene	U	UJ	C3	0.0452	0.200	1	05/19/2023 00:28	WG2062690
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	05/19/2023 00:28	WG2062690
1,2-Dibromoethane	U			0.0210	0.100	1	05/19/2023 00:28	WG2062690
Dibromomethane	U			0.0400	0.200	1	05/19/2023 00:28	WG2062690
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/19/2023 00:28	WG2062690
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/19/2023 00:28	WG2062690
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/19/2023 00:28	WG2062690
Dichlorodifluoromethane	U	UJ	C3	0.0327	0.100	1	05/19/2023 00:28	WG2062690
1,1-Dichloroethane	U			0.0230	0.100	1	05/19/2023 00:28	WG2062690
1,2-Dichloroethane	U			0.0190	0.100	1	05/19/2023 00:28	WG2062690
1,1-Dichloroethene	15.5			0.0200	0.100	1	05/19/2023 00:28	WG2062690
cis-1,2-Dichloroethene	4650			6.90	25.0	250	05/25/2023 04:06	WG2065856
trans-1,2-Dichloroethene	239			14.3	50.0	250	05/25/2023 04:06	WG2065856
1,2-Dichloropropane	U			0.0508	0.200	1	05/19/2023 00:28	WG2062690

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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	
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2023 00:28	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 00:28	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 00:28	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 00:28	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 00:28	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 00:28	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 00:28	WG2062690
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/19/2023 00:28	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 00:28	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 00:28	WG2062690
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 00:28	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 00:28	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 00:28	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 00:28	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 00:28	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 00:28	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 00:28	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 00:28	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 00:28	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 00:28	WG2062690
Tetrachloroethene	0.0640	J	0.0280	0.100	1	05/19/2023 00:28	WG2062690
Toluene	0.220		0.0500	0.200	1	05/19/2023 00:28	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 00:28	WG2062690
1,2,4-Trichlorobenzene	U	~~J4~~	0.193	0.500	1	05/19/2023 00:28	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 00:28	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 00:28	WG2062690
Trichloroethene	1.78		0.0160	0.0400	1	05/19/2023 00:28	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 00:28	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 00:28	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 00:28	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 00:28	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 00:28	WG2062690
Vinyl chloride	12800		6.82	25.0	250	05/25/2023 04:06	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 00:28	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 00:28	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 00:28	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 00:28	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 00:28	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 00:28	WG2062690
(S) Toluene-d8	*104*			*75.0-131*		*05/19/2023 00:28*	WG2062690
(S) Toluene-d8	*109*			*75.0-131*		*05/25/2023 04:06*	WG2065856
(S) 4-Bromofluorobenzene	*86.7*			*67.0-138*		*05/19/2023 00:28*	WG2062690
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*05/25/2023 04:06*	WG2065856
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*05/19/2023 00:28*	WG2062690
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*05/25/2023 04:06*	WG2065856

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	644	J	594	5000	1	05/23/2023 03:39	WG2063729

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	8700		102	1000	1	05/19/2023 03:00	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	4300		28.1	100	1	05/23/2023 20:10	WG2060150
Manganese	1080		0.704	5.00	1	05/23/2023 20:10	WG2060150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	20100		2.87	6.78	10	05/23/2023 16:19	WG2065249
Ethane	385		0.296	1.29	1	05/23/2023 13:00	WG2062915
Ethene	2.22		0.422	1.27	1	05/23/2023 13:00	WG2062915

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/19/2023 00:48	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 00:48	WG2062690
Benzene	U		0.0160	0.0400	1	05/19/2023 00:48	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 00:48	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 00:48	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 00:48	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 00:48	WG2062690
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/19/2023 00:48	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 00:48	WG2062690
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/19/2023 00:48	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 00:48	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 00:48	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 00:48	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 00:48	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 00:48	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 00:48	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 00:48	WG2062690
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/19/2023 00:48	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 00:48	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 00:48	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 00:48	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 00:48	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 00:48	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 00:48	WG2062690
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	05/19/2023 00:48	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 00:48	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 00:48	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 00:48	WG2062690
cis-1,2-Dichloroethene	0.0930	J	0.0276	0.100	1	05/25/2023 00:33	WG2065856
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/19/2023 00:48	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 00:48	WG2062690

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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	
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2023 00:48	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 00:48	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 00:48	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 00:48	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 00:48	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 00:48	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 00:48	WG2062690
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/19/2023 00:48	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 00:48	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 00:48	WG2062690
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 00:48	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 00:48	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 00:48	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 00:48	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 00:48	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 00:48	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 00:48	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 00:48	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 00:48	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 00:48	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 00:48	WG2062690
Toluene	0.253		0.0500	0.200	1	05/19/2023 00:48	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 00:48	WG2062690
1,2,4-Trichlorobenzene	U	~~J4~~	0.193	0.500	1	05/19/2023 00:48	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 00:48	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 00:48	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/19/2023 00:48	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 00:48	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 00:48	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 00:48	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 00:48	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 00:48	WG2062690
Vinyl chloride	0.156		0.0273	0.100	1	05/25/2023 00:33	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 00:48	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 00:48	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 00:48	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 00:48	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 00:48	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 00:48	WG2062690
(S) Toluene-d8	*98.1*			*75.0-131*		*05/19/2023 00:48*	WG2062690
(S) Toluene-d8	*111*			*75.0-131*		*05/25/2023 00:33*	WG2065856
(S) 4-Bromofluorobenzene	*77.4*			*67.0-138*		*05/19/2023 00:48*	WG2062690
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/25/2023 00:33*	WG2065856
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*05/19/2023 00:48*	WG2062690
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/25/2023 00:33*	WG2065856

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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	05/23/2023 03:53	WG2063729

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)	16600		102	1000	1	05/19/2023 03:20	WG2062032

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	05/23/2023 20:13	WG2060150
Manganese	2260		0.704	5.00	1	05/23/2023 20:13	WG2060150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	37400		2.87	6.78	10	05/23/2023 16:23	WG2065249
Ethane	186		0.296	1.29	1	05/23/2023 13:07	WG2062915
Ethene	3.18		0.422	1.27	1	05/23/2023 13:07	WG2062915

Volatile 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	05/19/2023 01:07	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 01:07	WG2062690
Benzene	0.0320	J	0.0160	0.0400	1	05/19/2023 01:07	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 01:07	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 01:07	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 01:07	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 01:07	WG2062690
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/19/2023 01:07	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 01:07	WG2062690
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/19/2023 01:07	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 01:07	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 01:07	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 01:07	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 01:07	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 01:07	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 01:07	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 01:07	WG2062690
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/19/2023 01:07	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 01:07	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 01:07	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 01:07	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 01:07	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 01:07	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 01:07	WG2062690
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	05/19/2023 01:07	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 01:07	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 01:07	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 01:07	WG2062690
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/19/2023 01:07	WG2062690
trans-1,2-Dichloroethene	0.628		0.0572	0.200	1	05/19/2023 01:07	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 01:07	WG2062690

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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-Dichloropropene	U		0.0280	0.100	1	05/19/2023 01:07	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 01:07	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 01:07	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 01:07	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 01:07	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 01:07	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 01:07	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 01:07	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 01:07	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 01:07	WG2062690
2-Butanone (MEK)	3.14	J- C3	0.500	1.00	1	05/19/2023 01:07	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 01:07	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 01:07	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 01:07	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 01:07	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 01:07	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 01:07	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 01:07	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 01:07	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 01:07	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 01:07	WG2062690
Toluene	0.245		0.0500	0.200	1	05/19/2023 01:07	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 01:07	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 01:07	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 01:07	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 01:07	WG2062690
Trichloroethene	0.0870		0.0160	0.0400	1	05/19/2023 01:07	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 01:07	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 01:07	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 01:07	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 01:07	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 01:07	WG2062690
Vinyl chloride	0.0750	J	0.0273	0.100	1	05/25/2023 00:54	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 01:07	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 01:07	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 01:07	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 01:07	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 01:07	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 01:07	WG2062690
(S) Toluene-d8	*107*			*75.0-131*		*05/19/2023 01:07*	WG2062690
(S) Toluene-d8	*108*			*75.0-131*		*05/25/2023 00:54*	WG2065856
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*05/19/2023 01:07*	WG2062690
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/25/2023 00:54*	WG2065856
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/19/2023 01:07*	WG2062690
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/25/2023 00:54*	WG2065856

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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	05/23/2023 04:06	WG2063729

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)	57900		102	1000	1	05/19/2023 03:42	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	35700		28.1	100	1	05/23/2023 20:17	WG2060150
Manganese	2880		0.704	5.00	1	05/23/2023 20:17	WG2060150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	23700		2.87	6.78	10	05/23/2023 16:27	WG2065249
Ethane	92.1		0.296	1.29	1	05/23/2023 13:11	WG2062915
Ethene	24.7		0.422	1.27	1	05/23/2023 13:11	WG2062915

Volatile 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		0.548	1.00	1	05/19/2023 01:26	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 01:26	WG2062690
Benzene	U		0.0160	0.0400	1	05/19/2023 01:26	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 01:26	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 01:26	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 01:26	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 01:26	WG2062690
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/19/2023 01:26	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 01:26	WG2062690
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/19/2023 01:26	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 01:26	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 01:26	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 01:26	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 01:26	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 01:26	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 01:26	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 01:26	WG2062690
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/19/2023 01:26	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 01:26	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 01:26	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 01:26	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 01:26	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 01:26	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 01:26	WG2062690
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	05/19/2023 01:26	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 01:26	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 01:26	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 01:26	WG2062690
cis-1,2-Dichloroethene	1.78		0.0276	0.100	1	05/19/2023 01:26	WG2062690
trans-1,2-Dichloroethene	0.198	J	0.0572	0.200	1	05/19/2023 01:26	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 01:26	WG2062690

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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	
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2023 01:26	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 01:26	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 01:26	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 01:26	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 01:26	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 01:26	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 01:26	WG2062690
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/19/2023 01:26	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 01:26	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 01:26	WG2062690
2-Butanone (MEK)	15.2	J- C3	0.500	1.00	1	05/19/2023 01:26	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 01:26	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 01:26	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 01:26	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 01:26	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 01:26	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 01:26	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 01:26	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 01:26	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 01:26	WG2062690
Tetrachloroethene	0.0490	J	0.0280	0.100	1	05/19/2023 01:26	WG2062690
Toluene	0.238		0.0500	0.200	1	05/19/2023 01:26	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 01:26	WG2062690
1,2,4-Trichlorobenzene	U	~~J4~~	0.193	0.500	1	05/19/2023 01:26	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 01:26	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 01:26	WG2062690
Trichloroethene	0.128		0.0160	0.0400	1	05/19/2023 01:26	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 01:26	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 01:26	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 01:26	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 01:26	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 01:26	WG2062690
Vinyl chloride	8.59		0.0273	0.100	1	05/19/2023 01:26	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/19/2023 01:26	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 01:26	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 01:26	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 01:26	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 01:26	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 01:26	WG2062690
(S) Toluene-d8	*106*			*75.0-131*		*05/19/2023 01:26*	WG2062690
(S) 4-Bromofluorobenzene	*93.9*			*67.0-138*		*05/19/2023 01:26*	WG2062690
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*05/19/2023 01:26*	WG2062690

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	1220	J	594	5000	1	05/23/2023 04:20	WG2063729

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	14400		102	1000	1	05/19/2023 04:03	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	7080		28.1	100	1	05/23/2023 20:20	WG2060150
Manganese	811		0.704	5.00	1	05/23/2023 20:20	WG2060150

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	22000		2.87	6.78	10	05/25/2023 13:56	WG2066702
Ethane	164		0.296	1.29	1	05/25/2023 10:23	WG2065629
Ethene	3.37		0.422	1.27	1	05/25/2023 10:23	WG2065629

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/19/2023 01:45	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 01:45	WG2062690
Benzene	0.0810		0.0160	0.0400	1	05/19/2023 01:45	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 01:45	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 01:45	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 01:45	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 01:45	WG2062690
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/19/2023 01:45	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 01:45	WG2062690
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/19/2023 01:45	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 01:45	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 01:45	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 01:45	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 01:45	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 01:45	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 01:45	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 01:45	WG2062690
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/19/2023 01:45	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 01:45	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 01:45	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 01:45	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 01:45	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 01:45	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 01:45	WG2062690
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	05/19/2023 01:45	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 01:45	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 01:45	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 01:45	WG2062690
cis-1,2-Dichloroethene	0.144		0.0276	0.100	1	05/19/2023 01:45	WG2062690
trans-1,2-Dichloroethene	0.276		0.0572	0.200	1	05/19/2023 01:45	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 01:45	WG2062690

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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	
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2023 01:45	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 01:45	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 01:45	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 01:45	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 01:45	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 01:45	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 01:45	WG2062690
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/19/2023 01:45	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 01:45	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 01:45	WG2062690
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 01:45	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 01:45	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 01:45	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 01:45	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 01:45	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 01:45	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 01:45	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 01:45	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 01:45	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 01:45	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 01:45	WG2062690
Toluene	0.104	J	0.0500	0.200	1	05/19/2023 01:45	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 01:45	WG2062690
1,2,4-Trichlorobenzene	U	~~J4~~	0.193	0.500	1	05/19/2023 01:45	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 01:45	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 01:45	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/19/2023 01:45	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 01:45	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 01:45	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 01:45	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 01:45	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 01:45	WG2062690
Vinyl chloride	4.82		0.0273	0.100	1	05/19/2023 01:45	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/19/2023 01:45	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 01:45	WG2062690
Tetrahydrofuran	2.28		0.0900	0.500	1	05/19/2023 01:45	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 01:45	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 01:45	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 01:45	WG2062690
(S) Toluene-d8	*103*			*75.0-131*		*05/19/2023 01:45*	WG2062690
(S) 4-Bromofluorobenzene	*94.0*			*67.0-138*		*05/19/2023 01:45*	WG2062690
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*05/19/2023 01:45*	WG2062690

JC 6/6/23

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	10400		594	5000	1	05/23/2023 05:01	WG2063729

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	10200		102	1000	1	05/19/2023 04:43	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	2260		28.1	100	1	05/23/2023 19:10	WG2060155
Manganese	604		0.704	5.00	1	05/23/2023 19:10	WG2060155

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	7350		2.87	6.78	10	05/25/2023 14:00	WG2066702
Ethane	121		0.296	1.29	1	05/25/2023 10:26	WG2065629
Ethene	4.00		0.422	1.27	1	05/25/2023 10:26	WG2065629

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

Analyte	Result ug/l	Qualifier		MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
Acetone	U			0.548	1.00	1	05/19/2023 02:05	WG2062690	
Acrylonitrile	U			0.0760	0.500	1	05/19/2023 02:05	WG2062690	
Benzene	0.0230		J	0.0160	0.0400	1	05/19/2023 02:05	WG2062690	
Bromobenzene	U			0.0420	0.500	1	05/19/2023 02:05	WG2062690	
Bromodichloromethane	U			0.0315	0.100	1	05/19/2023 02:05	WG2062690	
Bromoform	U			0.239	1.00	1	05/19/2023 02:05	WG2062690	
Bromomethane	U			0.148	0.500	1	05/19/2023 02:05	WG2062690	
n-Butylbenzene	U	UJ	C3	0.153	0.500	1	05/19/2023 02:05	WG2062690	
sec-Butylbenzene	U			0.101	0.500	1	05/19/2023 02:05	WG2062690	
tert-Butylbenzene	U	UJ	C3	0.0620	0.200	1	05/19/2023 02:05	WG2062690	
Carbon tetrachloride	U			0.0432	0.200	1	05/19/2023 02:05	WG2062690	
Chlorobenzene	U			0.0229	0.100	1	05/19/2023 02:05	WG2062690	
Chlorodibromomethane	U			0.0180	0.100	1	05/19/2023 02:05	WG2062690	
Chloroethane	U			0.0432	0.200	1	05/19/2023 02:05	WG2062690	
Chloroform	U			0.0166	0.100	1	05/19/2023 02:05	WG2062690	
Chloromethane	U			0.0556	0.500	1	05/19/2023 02:05	WG2062690	
2-Chlorotoluene	U			0.0368	0.100	1	05/19/2023 02:05	WG2062690	
4-Chlorotoluene	U	UJ	C3	0.0452	0.200	1	05/19/2023 02:05	WG2062690	
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	05/19/2023 02:05	WG2062690	
1,2-Dibromoethane	U			0.0210	0.100	1	05/19/2023 02:05	WG2062690	
Dibromomethane	U			0.0400	0.200	1	05/19/2023 02:05	WG2062690	
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/19/2023 02:05	WG2062690	
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/19/2023 02:05	WG2062690	
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/19/2023 02:05	WG2062690	
Dichlorodifluoromethane	U	UJ	C3	0.0327	0.100	1	05/19/2023 02:05	WG2062690	
1,1-Dichloroethane	U			0.0230	0.100	1	05/19/2023 02:05	WG2062690	
1,2-Dichloroethane	U			0.0190	0.100	1	05/19/2023 02:05	WG2062690	
1,1-Dichloroethene	U			0.0200	0.100	1	05/19/2023 02:05	WG2062690	
cis-1,2-Dichloroethene	U			0.0276	0.100	1	05/19/2023 02:05	WG2062690	
trans-1,2-Dichloroethene	U			0.0572	0.200	1	05/19/2023 02:05	WG2062690	
1,2-Dichloropropane	U			0.0508	0.200	1	05/19/2023 02:05	WG2062690	JC 6/14/23

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		0.0280	0.100	1	05/19/2023 02:05	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 02:05	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 02:05	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 02:05	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 02:05	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 02:05	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 02:05	WG2062690
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/19/2023 02:05	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 02:05	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 02:05	WG2062690
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 02:05	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 02:05	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 02:05	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 02:05	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 02:05	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 02:05	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 02:05	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 02:05	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 02:05	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 02:05	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 02:05	WG2062690
Toluene	0.293		0.0500	0.200	1	05/19/2023 02:05	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 02:05	WG2062690
1,2,4-Trichlorobenzene	U	~~J4~~	0.193	0.500	1	05/19/2023 02:05	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 02:05	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 02:05	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/19/2023 02:05	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 02:05	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 02:05	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 02:05	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 02:05	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 02:05	WG2062690
Vinyl chloride	0.516		0.0273	0.100	1	05/19/2023 02:05	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/19/2023 02:05	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 02:05	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 02:05	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 02:05	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 02:05	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 02:05	WG2062690
(S) Toluene-d8	*103*			*75.0-131*		*05/19/2023 02:05*	WG2062690
(S) 4-Bromofluorobenzene	*85.6*			*67.0-138*		*05/19/2023 02:05*	WG2062690
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/19/2023 02:05*	WG2062690

JC 6/14/23

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	9710		594	5000	1	05/23/2023 05:14	WG2063729

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	48800		102	1000	1	05/19/2023 06:28	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	33400		28.1	100	1	05/23/2023 19:13	WG2060155
Manganese	1100		0.704	5.00	1	05/23/2023 19:13	WG2060155

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	24100		2.87	6.78	10	05/25/2023 14:05	WG2066702
Ethane	467		0.296	1.29	1	05/25/2023 10:30	WG2065629
Ethene	1450		0.422	1.27	1	05/25/2023 10:30	WG2065629

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/19/2023 02:24	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 02:24	WG2062690
Benzene	0.0880		0.0160	0.0400	1	05/19/2023 02:24	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 02:24	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 02:24	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 02:24	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 02:24	WG2062690
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/19/2023 02:24	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 02:24	WG2062690
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/19/2023 02:24	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 02:24	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 02:24	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 02:24	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 02:24	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 02:24	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 02:24	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 02:24	WG2062690
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/19/2023 02:24	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 02:24	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 02:24	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 02:24	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 02:24	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 02:24	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 02:24	WG2062690
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	05/19/2023 02:24	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 02:24	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 02:24	WG2062690
1,1-Dichloroethene	10.8		0.0200	0.100	1	05/19/2023 02:24	WG2062690
cis-1,2-Dichloroethene	6630		13.8	50.0	500	05/25/2023 04:29	WG2065856
trans-1,2-Dichloroethene	58.0		0.0572	0.200	1	05/19/2023 02:24	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 02:24	WG2062690

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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	
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2023 02:24	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 02:24	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 02:24	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 02:24	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 02:24	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 02:24	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 02:24	WG2062690
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/19/2023 02:24	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 02:24	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 02:24	WG2062690
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 02:24	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 02:24	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 02:24	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 02:24	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 02:24	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 02:24	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 02:24	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 02:24	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 02:24	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 02:24	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 02:24	WG2062690
Toluene	0.162	J	0.0500	0.200	1	05/19/2023 02:24	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 02:24	WG2062690
1,2,4-Trichlorobenzene	U	~~J4~~	0.193	0.500	1	05/19/2023 02:24	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 02:24	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 02:24	WG2062690
Trichloroethene	0.317		0.0160	0.0400	1	05/19/2023 02:24	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 02:24	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 02:24	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 02:24	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 02:24	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 02:24	WG2062690
Vinyl chloride	2180		13.6	50.0	500	05/25/2023 04:29	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 02:24	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 02:24	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 02:24	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 02:24	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 02:24	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 02:24	WG2062690
(S) Toluene-d8	*104*			*75.0-131*		*05/19/2023 02:24*	WG2062690
(S) Toluene-d8	*110*			*75.0-131*		*05/25/2023 04:29*	WG2065856
(S) 4-Bromofluorobenzene	*85.3*			*67.0-138*		*05/19/2023 02:24*	WG2062690
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/25/2023 04:29*	WG2065856
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/19/2023 02:24*	WG2062690
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/25/2023 04:29*	WG2065856

JC 6/14/23

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	2000	J	594	5000	1	05/23/2023 05:28	WG2063729

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	11700		102	1000	1	05/19/2023 06:53	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	8930		28.1	100	1	05/23/2023 19:16	WG2060155
Manganese	1270		0.704	5.00	1	05/23/2023 19:16	WG2060155

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	12700		2.87	6.78	10	05/25/2023 14:09	WG2066702
Ethane	306		0.296	1.29	1	05/25/2023 10:36	WG2065629
Ethene	44.3		0.422	1.27	1	05/25/2023 10:36	WG2065629

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/19/2023 02:43	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 02:43	WG2062690
Benzene	U		0.0160	0.0400	1	05/19/2023 02:43	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 02:43	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 02:43	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 02:43	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 02:43	WG2062690
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/19/2023 02:43	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 02:43	WG2062690
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/19/2023 02:43	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 02:43	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 02:43	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 02:43	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 02:43	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 02:43	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 02:43	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 02:43	WG2062690
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/19/2023 02:43	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 02:43	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 02:43	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 02:43	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 02:43	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 02:43	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 02:43	WG2062690
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	05/19/2023 02:43	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 02:43	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 02:43	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 02:43	WG2062690
cis-1,2-Dichloroethene	0.536		0.0276	0.100	1	05/25/2023 01:16	WG2065856
trans-1,2-Dichloroethene	0.0970	J	0.0572	0.200	1	05/19/2023 02:43	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 02:43	WG2062690

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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	
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2023 02:43	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 02:43	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 02:43	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 02:43	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 02:43	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 02:43	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 02:43	WG2062690
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/19/2023 02:43	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 02:43	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 02:43	WG2062690
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 02:43	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 02:43	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 02:43	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 02:43	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 02:43	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 02:43	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 02:43	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 02:43	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 02:43	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 02:43	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 02:43	WG2062690
Toluene	0.258		0.0500	0.200	1	05/19/2023 02:43	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 02:43	WG2062690
1,2,4-Trichlorobenzene	U	~~J4~~	0.193	0.500	1	05/19/2023 02:43	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 02:43	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 02:43	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/19/2023 02:43	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 02:43	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 02:43	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 02:43	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 02:43	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 02:43	WG2062690
Vinyl chloride	2.79		0.0273	0.100	1	05/25/2023 01:16	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 02:43	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 02:43	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 02:43	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 02:43	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 02:43	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 02:43	WG2062690
(S) Toluene-d8	*105*			*75.0-131*		*05/19/2023 02:43*	WG2062690
(S) Toluene-d8	*107*			*75.0-131*		*05/25/2023 01:16*	WG2065856
(S) 4-Bromofluorobenzene	*83.3*			*67.0-138*		*05/19/2023 02:43*	WG2062690
(S) 4-Bromofluorobenzene	*99.5*			*67.0-138*		*05/25/2023 01:16*	WG2065856
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/19/2023 02:43*	WG2062690
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/25/2023 01:16*	WG2065856

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	23900		594	5000	1	05/23/2023 05:41	WG2063729

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)	3950		102	1000	1	05/19/2023 07:10	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1940		28.1	100	1	05/23/2023 19:20	WG2060155
Manganese	578		0.704	5.00	1	05/23/2023 19:20	WG2060155

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	599		0.287	0.678	1	05/25/2023 10:41	WG2065629
Ethane	19.2		0.296	1.29	1	05/25/2023 10:41	WG2065629
Ethene	U		0.422	1.27	1	05/25/2023 10:41	WG2065629

Volatile 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	05/19/2023 03:03	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 03:03	WG2062690
Benzene	U		0.0160	0.0400	1	05/19/2023 03:03	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 03:03	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 03:03	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 03:03	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 03:03	WG2062690
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/19/2023 03:03	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 03:03	WG2062690
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/19/2023 03:03	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 03:03	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 03:03	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 03:03	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 03:03	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 03:03	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 03:03	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 03:03	WG2062690
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/19/2023 03:03	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 03:03	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 03:03	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 03:03	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 03:03	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 03:03	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 03:03	WG2062690
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	05/19/2023 03:03	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 03:03	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 03:03	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 03:03	WG2062690
cis-1,2-Dichloroethene	0.0750	J	0.0276	0.100	1	05/25/2023 01:37	WG2065856
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/19/2023 03:03	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 03:03	WG2062690

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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-Dichloropropene	U		0.0280	0.100	1	05/19/2023 03:03	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 03:03	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 03:03	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 03:03	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 03:03	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 03:03	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 03:03	WG2062690
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/19/2023 03:03	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 03:03	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 03:03	WG2062690
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 03:03	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 03:03	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 03:03	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 03:03	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 03:03	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 03:03	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 03:03	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 03:03	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 03:03	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 03:03	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/19/2023 03:03	WG2062690
Toluene	U		0.0500	0.200	1	05/19/2023 03:03	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 03:03	WG2062690
1,2,4-Trichlorobenzene	U	~~J4~~	0.193	0.500	1	05/19/2023 03:03	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 03:03	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 03:03	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/19/2023 03:03	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 03:03	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 03:03	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 03:03	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 03:03	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 03:03	WG2062690
Vinyl chloride	0.113		0.0273	0.100	1	05/25/2023 01:37	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 03:03	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 03:03	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 03:03	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 03:03	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 03:03	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 03:03	WG2062690
(S) Toluene-d8	*104*			*75.0-131*		*05/19/2023 03:03*	WG2062690
(S) Toluene-d8	*110*			*75.0-131*		*05/25/2023 01:37*	WG2065856
(S) 4-Bromofluorobenzene	*78.5*			*67.0-138*		*05/19/2023 03:03*	WG2062690
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*05/25/2023 01:37*	WG2065856
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*05/19/2023 03:03*	WG2062690
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/25/2023 01:37*	WG2065856

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	30300		594	5000	1	05/23/2023 05:55	WG2063729

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	10200		102	1000	1	05/19/2023 07:30	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	1140		28.1	100	1	05/23/2023 19:23	WG2060155
Manganese	2930		0.704	5.00	1	05/23/2023 19:23	WG2060155

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	8530		2.87	6.78	10	05/25/2023 14:14	WG2066702
Ethane	6.35		0.296	1.29	1	05/25/2023 10:47	WG2065629
Ethene	1.98		0.422	1.27	1	05/25/2023 10:47	WG2065629

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

Analyte	Result ug/l	Qualifier		MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U			0.548	1.00	1	05/19/2023 03:22	WG2062690
Acrylonitrile	U			0.0760	0.500	1	05/19/2023 03:22	WG2062690
Benzene	U			0.0160	0.0400	1	05/19/2023 03:22	WG2062690
Bromobenzene	U			0.0420	0.500	1	05/19/2023 03:22	WG2062690
Bromodichloromethane	U			0.0315	0.100	1	05/19/2023 03:22	WG2062690
Bromoform	U			0.239	1.00	1	05/19/2023 03:22	WG2062690
Bromomethane	U			0.148	0.500	1	05/19/2023 03:22	WG2062690
n-Butylbenzene	U	UJ	C3	0.153	0.500	1	05/19/2023 03:22	WG2062690
sec-Butylbenzene	U			0.101	0.500	1	05/19/2023 03:22	WG2062690
tert-Butylbenzene	U	UJ	C3	0.0620	0.200	1	05/19/2023 03:22	WG2062690
Carbon tetrachloride	U			0.0432	0.200	1	05/19/2023 03:22	WG2062690
Chlorobenzene	U			0.0229	0.100	1	05/19/2023 03:22	WG2062690
Chlorodibromomethane	U			0.0180	0.100	1	05/19/2023 03:22	WG2062690
Chloroethane	U			0.0432	0.200	1	05/19/2023 03:22	WG2062690
Chloroform	U			0.0166	0.100	1	05/19/2023 03:22	WG2062690
Chloromethane	U			0.0556	0.500	1	05/19/2023 03:22	WG2062690
2-Chlorotoluene	U			0.0368	0.100	1	05/19/2023 03:22	WG2062690
4-Chlorotoluene	U	UJ	C3	0.0452	0.200	1	05/19/2023 03:22	WG2062690
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	05/19/2023 03:22	WG2062690
1,2-Dibromoethane	U			0.0210	0.100	1	05/19/2023 03:22	WG2062690
Dibromomethane	U			0.0400	0.200	1	05/19/2023 03:22	WG2062690
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/19/2023 03:22	WG2062690
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/19/2023 03:22	WG2062690
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/19/2023 03:22	WG2062690
Dichlorodifluoromethane	U	UJ	C3	0.0327	0.100	1	05/19/2023 03:22	WG2062690
1,1-Dichloroethane	U			0.0230	0.100	1	05/19/2023 03:22	WG2062690
1,2-Dichloroethane	U			0.0190	0.100	1	05/19/2023 03:22	WG2062690
1,1-Dichloroethene	60.5			0.0200	0.100	1	05/19/2023 03:22	WG2062690
cis-1,2-Dichloroethene	590			6.90	25.0	250	05/25/2023 04:50	WG2065856
trans-1,2-Dichloroethene	29.1			0.0572	0.200	1	05/19/2023 03:22	WG2062690
1,2-Dichloropropane	U			0.0508	0.200	1	05/19/2023 03:22	WG2062690

JC 6/14/23

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		0.0280	0.100	1	05/19/2023 03:22	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 03:22	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 03:22	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 03:22	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 03:22	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 03:22	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 03:22	WG2062690
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/19/2023 03:22	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 03:22	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 03:22	WG2062690
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 03:22	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 03:22	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 03:22	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 03:22	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 03:22	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 03:22	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 03:22	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 03:22	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 03:22	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 03:22	WG2062690
Tetrachloroethene	1730	J+ C5	7.00	25.0	250	05/25/2023 04:50	WG2065856
Toluene	0.203		0.0500	0.200	1	05/19/2023 03:22	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 03:22	WG2062690
1,2,4-Trichlorobenzene	U	~~J4~~	0.193	0.500	1	05/19/2023 03:22	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 03:22	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 03:22	WG2062690
Trichloroethene	1810		4.00	10.0	250	05/25/2023 04:50	WG2065856
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 03:22	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 03:22	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 03:22	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 03:22	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 03:22	WG2062690
Vinyl chloride	9.00		0.0273	0.100	1	05/19/2023 03:22	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/19/2023 03:22	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 03:22	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 03:22	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 03:22	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 03:22	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 03:22	WG2062690
(S) Toluene-d8	*108*			*75.0-131*		*05/19/2023 03:22*	WG2062690
(S) Toluene-d8	*113*			*75.0-131*		*05/25/2023 04:50*	WG2065856
(S) 4-Bromofluorobenzene	*85.9*			*67.0-138*		*05/19/2023 03:22*	WG2062690
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*		*05/25/2023 04:50*	WG2065856
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/19/2023 03:22*	WG2062690
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*05/25/2023 04:50*	WG2065856

JC 6/14/23

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	1610	J	594	5000	1	05/23/2023 06:35	WG2063729

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	12700		102	1000	1	05/19/2023 07:50	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	3220		28.1	100	1	05/22/2023 11:38	WG2064053
Manganese	2300		0.704	5.00	1	05/22/2023 11:38	WG2064053

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	28800		2.87	6.78	10	05/25/2023 14:19	WG2066702
Ethane	833		0.296	1.29	1	05/25/2023 10:52	WG2065629
Ethene	303		0.422	1.27	1	05/25/2023 10:52	WG2065629

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/19/2023 03:41	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 03:41	WG2062690
Benzene	0.169		0.0160	0.0400	1	05/19/2023 03:41	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 03:41	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 03:41	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 03:41	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 03:41	WG2062690
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/19/2023 03:41	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 03:41	WG2062690
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/19/2023 03:41	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 03:41	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 03:41	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 03:41	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 03:41	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 03:41	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 03:41	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 03:41	WG2062690
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/19/2023 03:41	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 03:41	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 03:41	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 03:41	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 03:41	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 03:41	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 03:41	WG2062690
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	05/19/2023 03:41	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 03:41	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 03:41	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 03:41	WG2062690
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/25/2023 01:58	WG2065856
trans-1,2-Dichloroethene	0.208		0.0572	0.200	1	05/19/2023 03:41	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 03:41	WG2062690

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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	
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2023 03:41	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 03:41	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 03:41	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 03:41	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 03:41	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 03:41	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 03:41	WG2062690
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/19/2023 03:41	WG2062690
Isopropylbenzene	0.149		0.0345	0.100	1	05/19/2023 03:41	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 03:41	WG2062690
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 03:41	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 03:41	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 03:41	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 03:41	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 03:41	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 03:41	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 03:41	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 03:41	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 03:41	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 03:41	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 01:58	WG2065856
Toluene	0.144	J	0.0500	0.200	1	05/19/2023 03:41	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 03:41	WG2062690
1,2,4-Trichlorobenzene	U	~~J4~~	0.193	0.500	1	05/19/2023 03:41	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 03:41	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 03:41	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 01:58	WG2065856
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 03:41	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 03:41	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 03:41	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 03:41	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 03:41	WG2062690
Vinyl chloride	0.448		0.0273	0.100	1	05/19/2023 03:41	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/19/2023 03:41	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 03:41	WG2062690
Tetrahydrofuran	4.95		0.0900	0.500	1	05/19/2023 03:41	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 03:41	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 03:41	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 03:41	WG2062690
(S) Toluene-d8	*103*			*75.0-131*		*05/19/2023 03:41*	WG2062690
(S) Toluene-d8	*110*			*75.0-131*		*05/25/2023 01:58*	WG2065856
(S) 4-Bromofluorobenzene	*89.8*			*67.0-138*		*05/19/2023 03:41*	WG2062690
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*05/25/2023 01:58*	WG2065856
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/19/2023 03:41*	WG2062690
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/25/2023 01:58*	WG2065856

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	6520		594	5000	1	05/20/2023 19:21	WG2063742

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	31200		102	1000	1	05/19/2023 08:11	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	14100		28.1	100	1	05/22/2023 11:47	WG2064053
Manganese	3600		0.704	5.00	1	05/22/2023 11:47	WG2064053

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	28900		2.87	6.78	10	05/25/2023 14:24	WG2066702
Ethane	194		0.296	1.29	1	05/25/2023 10:58	WG2065629
Ethene	58.2		0.422	1.27	1	05/25/2023 10:58	WG2065629

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/19/2023 04:01	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 04:01	WG2062690
Benzene	U		0.0160	0.0400	1	05/19/2023 04:01	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 04:01	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 04:01	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 04:01	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 04:01	WG2062690
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/19/2023 04:01	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 04:01	WG2062690
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/19/2023 04:01	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 04:01	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 04:01	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 04:01	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 04:01	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 04:01	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 04:01	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 04:01	WG2062690
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/19/2023 04:01	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 04:01	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 04:01	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 04:01	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 04:01	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 04:01	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 04:01	WG2062690
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	05/19/2023 04:01	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 04:01	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 04:01	WG2062690
1,1-Dichloroethene	0.125		0.0200	0.100	1	05/19/2023 04:01	WG2062690
cis-1,2-Dichloroethene	20.1		0.0276	0.100	1	05/19/2023 04:01	WG2062690
trans-1,2-Dichloroethene	1.52		0.0572	0.200	1	05/19/2023 04:01	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 04:01	WG2062690

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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-Dichloropropene	U		0.0280	0.100	1	05/19/2023 04:01	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 04:01	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 04:01	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 04:01	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 04:01	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 04:01	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 04:01	WG2062690
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/19/2023 04:01	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 04:01	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 04:01	WG2062690
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 04:01	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 04:01	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 04:01	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 04:01	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 04:01	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 04:01	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 04:01	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 04:01	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 04:01	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 04:01	WG2062690
Tetrachloroethene	U		0.140	0.500	5	05/25/2023 05:11	WG2065856
Toluene	U		0.0500	0.200	1	05/19/2023 04:01	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 04:01	WG2062690
1,2,4-Trichlorobenzene	U	~~J4~~	0.193	0.500	1	05/19/2023 04:01	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 04:01	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 04:01	WG2062690
Trichloroethene	U		0.0800	0.200	5	05/25/2023 05:11	WG2065856
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 04:01	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 04:01	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 04:01	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 04:01	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 04:01	WG2062690
Vinyl chloride	105		0.137	0.500	5	05/25/2023 05:11	WG2065856
Xylenes, Total	U		0.191	0.260	1	05/19/2023 04:01	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 04:01	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 04:01	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 04:01	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 04:01	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 04:01	WG2062690
(S) Toluene-d8	*104*			*75.0-131*		*05/19/2023 04:01*	WG2062690
(S) Toluene-d8	*108*			*75.0-131*		*05/25/2023 05:11*	WG2065856
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/19/2023 04:01*	WG2062690
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*		*05/25/2023 05:11*	WG2065856
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/19/2023 04:01*	WG2062690
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*05/25/2023 05:11*	WG2065856

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	13700		594	5000	1	05/20/2023 19:37	WG2063742

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	7150		102	1000	1	05/19/2023 08:30	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	1690		28.1	100	1	05/22/2023 11:51	WG2064053
Manganese	566		0.704	5.00	1	05/22/2023 11:51	WG2064053

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	5360		0.287	0.678	1	05/25/2023 11:03	WG2065629
Ethane	21.7		0.296	1.29	1	05/25/2023 11:03	WG2065629
Ethene	443		0.422	1.27	1	05/25/2023 11:03	WG2065629

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

Analyte	Result ug/l	Qualifier		MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U			0.548	1.00	1	05/19/2023 04:20	WG2062690
Acrylonitrile	U			0.0760	0.500	1	05/19/2023 04:20	WG2062690
Benzene	0.195			0.0160	0.0400	1	05/19/2023 04:20	WG2062690
Bromobenzene	U			0.0420	0.500	1	05/19/2023 04:20	WG2062690
Bromodichloromethane	U			0.0315	0.100	1	05/19/2023 04:20	WG2062690
Bromoform	U			0.239	1.00	1	05/19/2023 04:20	WG2062690
Bromomethane	U			0.148	0.500	1	05/19/2023 04:20	WG2062690
n-Butylbenzene	U	UJ	C3	0.153	0.500	1	05/19/2023 04:20	WG2062690
sec-Butylbenzene	U			0.101	0.500	1	05/19/2023 04:20	WG2062690
tert-Butylbenzene	U	UJ	C3	0.0620	0.200	1	05/19/2023 04:20	WG2062690
Carbon tetrachloride	U			0.0432	0.200	1	05/19/2023 04:20	WG2062690
Chlorobenzene	U			0.0229	0.100	1	05/19/2023 04:20	WG2062690
Chlorodibromomethane	U			0.0180	0.100	1	05/19/2023 04:20	WG2062690
Chloroethane	U			0.0432	0.200	1	05/19/2023 04:20	WG2062690
Chloroform	U			0.0166	0.100	1	05/19/2023 04:20	WG2062690
Chloromethane	U			0.0556	0.500	1	05/19/2023 04:20	WG2062690
2-Chlorotoluene	U			0.0368	0.100	1	05/19/2023 04:20	WG2062690
4-Chlorotoluene	U	UJ	C3	0.0452	0.200	1	05/19/2023 04:20	WG2062690
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	05/19/2023 04:20	WG2062690
1,2-Dibromoethane	U			0.0210	0.100	1	05/19/2023 04:20	WG2062690
Dibromomethane	U			0.0400	0.200	1	05/19/2023 04:20	WG2062690
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/19/2023 04:20	WG2062690
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/19/2023 04:20	WG2062690
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/19/2023 04:20	WG2062690
Dichlorodifluoromethane	U	UJ	C3	0.0327	0.100	1	05/19/2023 04:20	WG2062690
1,1-Dichloroethane	U			0.0230	0.100	1	05/19/2023 04:20	WG2062690
1,2-Dichloroethane	U			0.0190	0.100	1	05/19/2023 04:20	WG2062690
1,1-Dichloroethene	58.6			0.0200	0.100	1	05/19/2023 04:20	WG2062690
cis-1,2-Dichloroethene	4660			6.90	25.0	250	05/25/2023 05:33	WG2065856
trans-1,2-Dichloroethene	14.3			0.0572	0.200	1	05/19/2023 04:20	WG2062690
1,2-Dichloropropane	U			0.0508	0.200	1	05/19/2023 04:20	WG2062690

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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	
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2023 04:20	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 04:20	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 04:20	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 04:20	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 04:20	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 04:20	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 04:20	WG2062690
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/19/2023 04:20	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 04:20	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 04:20	WG2062690
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 04:20	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 04:20	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 04:20	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 04:20	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 04:20	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 04:20	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 04:20	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 04:20	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 04:20	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 04:20	WG2062690
Tetrachloroethene	14.6		0.0280	0.100	1	05/19/2023 04:20	WG2062690
Toluene	0.780		0.0500	0.200	1	05/19/2023 04:20	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 04:20	WG2062690
1,2,4-Trichlorobenzene	U	~~J4~~	0.193	0.500	1	05/19/2023 04:20	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 04:20	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 04:20	WG2062690
Trichloroethene	96.5		4.00	10.0	250	05/25/2023 05:33	WG2065856
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 04:20	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 04:20	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 04:20	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 04:20	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 04:20	WG2062690
Vinyl chloride	1460		6.82	25.0	250	05/25/2023 05:33	WG2065856
Xylenes, Total	0.884		0.191	0.260	1	05/19/2023 04:20	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 04:20	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 04:20	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 04:20	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 04:20	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 04:20	WG2062690
(S) Toluene-d8	*105*			*75.0-131*		*05/19/2023 04:20*	WG2062690
(S) Toluene-d8	*109*			*75.0-131*		*05/25/2023 05:33*	WG2065856
(S) 4-Bromofluorobenzene	*88.1*			*67.0-138*		*05/19/2023 04:20*	WG2062690
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*05/25/2023 05:33*	WG2065856
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/19/2023 04:20*	WG2062690
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/25/2023 05:33*	WG2065856

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	2790	J	594	5000	1	05/20/2023 19:53	WG2063742

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	16800		102	1000	1	05/19/2023 08:51	WG2062032

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	12000		28.1	100	1	05/22/2023 11:54	WG2064053
Manganese	2360		0.704	5.00	1	05/22/2023 11:54	WG2064053

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	26300		2.87	6.78	10	05/25/2023 14:39	WG2066702
Ethane	407		0.296	1.29	1	05/25/2023 11:18	WG2065629
Ethene	2.50		0.422	1.27	1	05/25/2023 11:18	WG2065629

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/19/2023 04:39	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 04:39	WG2062690
Benzene	0.0220	J	0.0160	0.0400	1	05/19/2023 04:39	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 04:39	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 04:39	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 04:39	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 04:39	WG2062690
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/19/2023 04:39	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 04:39	WG2062690
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/19/2023 04:39	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 04:39	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 04:39	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 04:39	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 04:39	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 04:39	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 04:39	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 04:39	WG2062690
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/19/2023 04:39	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 04:39	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 04:39	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 04:39	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 04:39	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 04:39	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 04:39	WG2062690
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	05/19/2023 04:39	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 04:39	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 04:39	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 04:39	WG2062690
cis-1,2-Dichloroethene	0.131		0.0276	0.100	1	05/25/2023 02:19	WG2065856
trans-1,2-Dichloroethene	0.698		0.0572	0.200	1	05/19/2023 04:39	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 04:39	WG2062690

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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		0.0280	0.100	1	05/19/2023 04:39	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 04:39	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 04:39	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 04:39	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 04:39	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 04:39	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 04:39	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 04:39	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 04:39	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 04:39	WG2062690
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 04:39	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 04:39	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 04:39	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 04:39	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 04:39	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 04:39	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 04:39	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 04:39	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 04:39	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 04:39	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 02:19	WG2065856
Toluene	0.111	J	0.0500	0.200	1	05/19/2023 04:39	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 04:39	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 04:39	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 04:39	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 04:39	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 02:19	WG2065856
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 04:39	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 04:39	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 04:39	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 04:39	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 04:39	WG2062690
Vinyl chloride	1.03		0.0273	0.100	1	05/19/2023 04:39	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/19/2023 04:39	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 04:39	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 04:39	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 04:39	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 04:39	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 04:39	WG2062690
(S) Toluene-d8	*106*			*75.0-131*		*05/19/2023 04:39*	WG2062690
(S) Toluene-d8	*108*			*75.0-131*		*05/25/2023 02:19*	WG2065856
(S) 4-Bromofluorobenzene	*90.0*			*67.0-138*		*05/19/2023 04:39*	WG2062690
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*		*05/25/2023 02:19*	WG2065856
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*05/19/2023 04:39*	WG2062690
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*05/25/2023 02:19*	WG2065856

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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	05/20/2023 20:09	WG2063742

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)	19500		102	1000	1	05/20/2023 23:07	WG2062822

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10300		28.1	100	1	05/22/2023 11:57	WG2064053
Manganese	2710		0.704	5.00	1	05/22/2023 11:57	WG2064053

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	24400		2.87	6.78	10	05/25/2023 14:45	WG2066702
Ethane	404		0.296	1.29	1	05/25/2023 11:27	WG2065629
Ethene	U		0.422	1.27	1	05/25/2023 11:27	WG2065629

Volatile 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	05/19/2023 04:59	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 04:59	WG2062690
Benzene	0.0220	J	0.0160	0.0400	1	05/19/2023 04:59	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 04:59	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 04:59	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 04:59	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 04:59	WG2062690
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/19/2023 04:59	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 04:59	WG2062690
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/19/2023 04:59	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 04:59	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 04:59	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 04:59	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 04:59	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 04:59	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 04:59	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 04:59	WG2062690
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/19/2023 04:59	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 04:59	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 04:59	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 04:59	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 04:59	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 04:59	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 04:59	WG2062690
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	05/19/2023 04:59	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 04:59	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 04:59	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 04:59	WG2062690
cis-1,2-Dichloroethene	0.0500	J	0.0276	0.100	1	05/25/2023 02:40	WG2065856
trans-1,2-Dichloroethene	0.921		0.0572	0.200	1	05/19/2023 04:59	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 04:59	WG2062690

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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	
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2023 04:59	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 04:59	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 04:59	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 04:59	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 04:59	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 04:59	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 04:59	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 04:59	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 04:59	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 04:59	WG2062690
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 04:59	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 04:59	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 04:59	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 04:59	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 04:59	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 04:59	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 04:59	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 04:59	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 04:59	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 04:59	WG2062690
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 02:40	WG2065856
Toluene	0.138	J	0.0500	0.200	1	05/19/2023 04:59	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 04:59	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 04:59	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 04:59	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 04:59	WG2062690
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 02:40	WG2065856
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 04:59	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 04:59	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 04:59	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 04:59	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 04:59	WG2062690
Vinyl chloride	0.421		0.0273	0.100	1	05/19/2023 04:59	WG2062690
Xylenes, Total	0.385		0.191	0.260	1	05/19/2023 04:59	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 04:59	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 04:59	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 04:59	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 04:59	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 04:59	WG2062690
(S) Toluene-d8	*100*			*75.0-131*		*05/19/2023 04:59*	WG2062690
(S) Toluene-d8	*109*			*75.0-131*		*05/25/2023 02:40*	WG2065856
(S) 4-Bromofluorobenzene	*84.9*			*67.0-138*		*05/19/2023 04:59*	WG2062690
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/25/2023 02:40*	WG2065856
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*05/19/2023 04:59*	WG2062690
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/25/2023 02:40*	WG2065856

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	U		594	5000	1	05/20/2023 20:56	WG2063742

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	26200		102	1000	1	05/20/2023 23:44	WG2062822

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	25300		28.1	100	1	05/22/2023 12:01	WG2064053
Manganese	5520		0.704	5.00	1	05/22/2023 12:01	WG2064053

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	27700		2.87	6.78	10	05/25/2023 14:57	WG2066702
Ethane	527		0.296	1.29	1	05/25/2023 11:33	WG2065629
Ethene	38.9		0.422	1.27	1	05/25/2023 11:33	WG2065629

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/19/2023 05:18	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 05:18	WG2062690
Benzene	0.114		0.0160	0.0400	1	05/19/2023 05:18	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/19/2023 05:18	WG2062690
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 05:18	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 05:18	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 05:18	WG2062690
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/19/2023 05:18	WG2062690
sec-Butylbenzene	U		0.101	0.500	1	05/19/2023 05:18	WG2062690
tert-Butylbenzene	U	UJ C3	0.0620	0.200	1	05/19/2023 05:18	WG2062690
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 05:18	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 05:18	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 05:18	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 05:18	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 05:18	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 05:18	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/19/2023 05:18	WG2062690
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/19/2023 05:18	WG2062690
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/19/2023 05:18	WG2062690
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 05:18	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 05:18	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/19/2023 05:18	WG2062690
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/19/2023 05:18	WG2062690
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/19/2023 05:18	WG2062690
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	05/19/2023 05:18	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 05:18	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 05:18	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 05:18	WG2062690
cis-1,2-Dichloroethene	10.7		0.0276	0.100	1	05/19/2023 05:18	WG2062690
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/19/2023 05:18	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 05:18	WG2062690

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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	05/19/2023 05:18	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 05:18	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 05:18	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 05:18	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 05:18	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 05:18	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 05:18	WG2062690
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/19/2023 05:18	WG2062690
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 05:18	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/19/2023 05:18	WG2062690
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 05:18	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 05:18	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 05:18	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 05:18	WG2062690
Naphthalene	U		0.124	0.500	1	05/19/2023 05:18	WG2062690
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/19/2023 05:18	WG2062690
Styrene	U		0.109	0.500	1	05/19/2023 05:18	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 05:18	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/19/2023 05:18	WG2062690
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 05:18	WG2062690
Tetrachloroethene	0.131		0.0280	0.100	1	05/19/2023 05:18	WG2062690
Toluene	0.413		0.0500	0.200	1	05/19/2023 05:18	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/19/2023 05:18	WG2062690
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/19/2023 05:18	WG2062690
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 05:18	WG2062690
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/19/2023 05:18	WG2062690
Trichloroethene	0.179		0.0160	0.0400	1	05/19/2023 05:18	WG2062690
Trichlorofluoromethane	U		0.0200	0.100	1	05/19/2023 05:18	WG2062690
1,2,3-Trichloropropane	U		0.204	0.500	1	05/19/2023 05:18	WG2062690
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/19/2023 05:18	WG2062690
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/19/2023 05:18	WG2062690
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/19/2023 05:18	WG2062690
Vinyl chloride	16.0		0.0273	0.100	1	05/19/2023 05:18	WG2062690
Xylenes, Total	U		0.191	0.260	1	05/19/2023 05:18	WG2062690
Ethyl Ether	U		0.0170	0.100	1	05/19/2023 05:18	WG2062690
Tetrahydrofuran	U		0.0900	0.500	1	05/19/2023 05:18	WG2062690
Iodomethane	U		0.242	0.500	1	05/19/2023 05:18	WG2062690
Allyl chloride	U		0.580	1.00	1	05/19/2023 05:18	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/19/2023 05:18	WG2062690
(S) Toluene-d8	*102*			*75.0-131*		*05/19/2023 05:18*	WG2062690
(S) 4-Bromofluorobenzene	*82.9*			*67.0-138*		*05/19/2023 05:18*	WG2062690
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/19/2023 05:18*	WG2062690

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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		0.548	1.00	1	05/19/2023 05:37	WG2062690
Acrylonitrile	U		0.0760	0.500	1	05/19/2023 05:37	WG2062690
Benzene	U		0.0160	0.0400	1	05/19/2023 05:37	WG2062690
Bromobenzene	U		0.0420	0.500	1	05/25/2023 03:02	WG2065856
Bromodichloromethane	U		0.0315	0.100	1	05/19/2023 05:37	WG2062690
Bromoform	U		0.239	1.00	1	05/19/2023 05:37	WG2062690
Bromomethane	U		0.148	0.500	1	05/19/2023 05:37	WG2062690
n-Butylbenzene	U		0.153	0.500	1	05/25/2023 03:02	WG2065856
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 03:02	WG2065856
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 03:02	WG2065856
Carbon tetrachloride	U		0.0432	0.200	1	05/19/2023 05:37	WG2062690
Chlorobenzene	U		0.0229	0.100	1	05/19/2023 05:37	WG2062690
Chlorodibromomethane	U		0.0180	0.100	1	05/19/2023 05:37	WG2062690
Chloroethane	U		0.0432	0.200	1	05/19/2023 05:37	WG2062690
Chloroform	U		0.0166	0.100	1	05/19/2023 05:37	WG2062690
Chloromethane	U		0.0556	0.500	1	05/19/2023 05:37	WG2062690
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 03:02	WG2065856
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 03:02	WG2065856
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/25/2023 03:02	WG2065856
1,2-Dibromoethane	U		0.0210	0.100	1	05/19/2023 05:37	WG2062690
Dibromomethane	U		0.0400	0.200	1	05/19/2023 05:37	WG2062690
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 03:02	WG2065856
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 03:02	WG2065856
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 03:02	WG2065856
Dichlorodifluoromethane	U	UJ C3	0.0327	0.100	1	05/19/2023 05:37	WG2062690
1,1-Dichloroethane	U		0.0230	0.100	1	05/19/2023 05:37	WG2062690
1,2-Dichloroethane	U		0.0190	0.100	1	05/19/2023 05:37	WG2062690
1,1-Dichloroethene	U		0.0200	0.100	1	05/19/2023 05:37	WG2062690
cis-1,2-Dichloroethene	0.269		0.0276	0.100	1	05/19/2023 05:37	WG2062690
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/19/2023 05:37	WG2062690
1,2-Dichloropropane	U		0.0508	0.200	1	05/19/2023 05:37	WG2062690
1,1-Dichloropropene	U		0.0280	0.100	1	05/19/2023 05:37	WG2062690
1,3-Dichloropropane	U		0.0700	0.200	1	05/19/2023 05:37	WG2062690
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/19/2023 05:37	WG2062690
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/19/2023 05:37	WG2062690
2,2-Dichloropropane	U		0.0317	0.100	1	05/19/2023 05:37	WG2062690
Di-isopropyl ether	U		0.0140	0.0400	1	05/19/2023 05:37	WG2062690
Ethylbenzene	U		0.0212	0.100	1	05/19/2023 05:37	WG2062690
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 03:02	WG2065856
Isopropylbenzene	U		0.0345	0.100	1	05/19/2023 05:37	WG2062690
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 03:02	WG2065856
2-Butanone (MEK)	U	UJ C3	0.500	1.00	1	05/19/2023 05:37	WG2062690
Methylene Chloride	U		0.265	1.00	1	05/19/2023 05:37	WG2062690
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/19/2023 05:37	WG2062690
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/19/2023 05:37	WG2062690
Naphthalene	U		0.124	0.500	1	05/25/2023 03:02	WG2065856
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 03:02	WG2065856
Styrene	U		0.109	0.500	1	05/19/2023 05:37	WG2062690
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/19/2023 05:37	WG2062690
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/25/2023 03:02	WG2065856
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/19/2023 05:37	WG2062690
Tetrachloroethene	0.167		0.0280	0.100	1	05/19/2023 05:37	WG2062690
Toluene	U		0.0500	0.200	1	05/19/2023 05:37	WG2062690
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/25/2023 03:02	WG2065856
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 03:02	WG2065856
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/19/2023 05:37	WG2062690

JC 7/31/2023

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

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U			0.0353	0.100	1	05/19/2023 05:37	WG2062690
Trichloroethene	0.0780			0.0160	0.0400	1	05/19/2023 05:37	WG2062690
Trichlorofluoromethane	U			0.0200	0.100	1	05/19/2023 05:37	WG2062690
1,2,3-Trichloropropane	U			0.204	0.500	1	05/25/2023 03:02	WG2065856
1,2,4-Trimethylbenzene	U			0.0464	0.200	1	05/25/2023 03:02	WG2065856
1,2,3-Trimethylbenzene	U			0.0460	0.200	1	05/25/2023 03:02	WG2065856
1,3,5-Trimethylbenzene	U			0.0432	0.200	1	05/25/2023 03:02	WG2065856
Vinyl chloride	U			0.0273	0.100	1	05/19/2023 05:37	WG2062690
Xylenes, Total	U			0.191	0.260	1	05/19/2023 05:37	WG2062690
Ethyl Ether	U			0.0170	0.100	1	05/19/2023 05:37	WG2062690
Tetrahydrofuran	U			0.0900	0.500	1	05/19/2023 05:37	WG2062690
Iodomethane	U			0.242	0.500	1	05/19/2023 05:37	WG2062690
Allyl chloride	U			0.580	1.00	1	05/19/2023 05:37	WG2062690
Trans-1,4-Dichloro-2-butene	U	UJ	C3	0.0560	0.200	1	05/25/2023 03:02	WG2065856
(S) Toluene-d8	*112*				*75.0-131*		*05/19/2023 05:37*	WG2062690
(S) Toluene-d8	*111*				*75.0-131*		*05/25/2023 03:02*	WG2065856
(S) 4-Bromofluorobenzene	*83.6*				*67.0-138*		*05/19/2023 05:37*	WG2062690
(S) 4-Bromofluorobenzene	*102*				*67.0-138*		*05/25/2023 03:02*	WG2065856
(S) 1,2-Dichloroethane-d4	*113*				*70.0-130*		*05/19/2023 05:37*	WG2062690
(S) 1,2-Dichloroethane-d4	*105*				*70.0-130*		*05/25/2023 03:02*	WG2065856

JC 7/31/2023

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/20/2023 02:53	WG2063055
Acrylonitrile	U		0.0760	0.500	1	05/20/2023 02:53	WG2063055
Benzene	8.66		0.0160	0.0400	1	05/20/2023 02:53	WG2063055
Bromobenzene	U		0.0420	0.500	1	05/20/2023 02:53	WG2063055
Bromodichloromethane	U		0.0315	0.100	1	05/20/2023 02:53	WG2063055
Bromoform	U		0.239	1.00	1	05/20/2023 02:53	WG2063055
Bromomethane	U		0.148	0.500	1	05/20/2023 02:53	WG2063055
n-Butylbenzene	U		0.153	0.500	1	05/20/2023 02:53	WG2063055
sec-Butylbenzene	U		0.101	0.500	1	05/20/2023 02:53	WG2063055
tert-Butylbenzene	U		0.0620	0.200	1	05/20/2023 02:53	WG2063055
Carbon tetrachloride	U		0.0432	0.200	1	05/20/2023 02:53	WG2063055
Chlorobenzene	U		0.0229	0.100	1	05/20/2023 02:53	WG2063055
Chlorodibromomethane	U		0.0180	0.100	1	05/20/2023 02:53	WG2063055
Chloroethane	U		0.0432	0.200	1	05/20/2023 02:53	WG2063055
Chloroform	0.330		0.0166	0.100	1	05/20/2023 02:53	WG2063055
Chloromethane	0.701		0.0556	0.500	1	05/20/2023 02:53	WG2063055
2-Chlorotoluene	U		0.0368	0.100	1	05/20/2023 02:53	WG2063055
4-Chlorotoluene	U		0.0452	0.200	1	05/20/2023 02:53	WG2063055
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/20/2023 02:53	WG2063055
1,2-Dibromoethane	U		0.0210	0.100	1	05/20/2023 02:53	WG2063055
Dibromomethane	U		0.0400	0.200	1	05/20/2023 02:53	WG2063055
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/20/2023 02:53	WG2063055
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/20/2023 02:53	WG2063055
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/20/2023 02:53	WG2063055
Dichlorodifluoromethane	U		0.0327	0.100	1	05/20/2023 02:53	WG2063055
1,1-Dichloroethane	U		0.0230	0.100	1	05/20/2023 02:53	WG2063055
1,2-Dichloroethane	U		0.0190	0.100	1	05/20/2023 02:53	WG2063055
1,1-Dichloroethene	U		0.0200	0.100	1	05/20/2023 02:53	WG2063055
cis-1,2-Dichloroethene	70.9		0.0276	0.100	1	05/20/2023 02:53	WG2063055
trans-1,2-Dichloroethene	1.24		0.0572	0.200	1	05/20/2023 02:53	WG2063055
1,2-Dichloropropane	U		0.0508	0.200	1	05/20/2023 02:53	WG2063055
1,1-Dichloropropene	U		0.0280	0.100	1	05/20/2023 02:53	WG2063055
1,3-Dichloropropane	U		0.0700	0.200	1	05/20/2023 02:53	WG2063055
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/20/2023 02:53	WG2063055
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/20/2023 02:53	WG2063055
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	05/20/2023 02:53	WG2063055
Di-isopropyl ether	U		0.0140	0.0400	1	05/20/2023 02:53	WG2063055
Ethylbenzene	U		0.0212	0.100	1	05/20/2023 02:53	WG2063055
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/20/2023 02:53	WG2063055
Isopropylbenzene	U		0.0345	0.100	1	05/20/2023 02:53	WG2063055
p-Isopropyltoluene	U		0.0932	0.200	1	05/20/2023 02:53	WG2063055
2-Butanone (MEK)	U		0.500	1.00	1	05/20/2023 02:53	WG2063055
Methylene Chloride	U		0.265	1.00	1	05/20/2023 02:53	WG2063055
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/20/2023 02:53	WG2063055
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/20/2023 02:53	WG2063055
Naphthalene	U	UJ C3	0.124	0.500	1	05/20/2023 02:53	WG2063055
n-Propylbenzene	U		0.0472	0.200	1	05/20/2023 02:53	WG2063055
Styrene	U		0.109	0.500	1	05/20/2023 02:53	WG2063055
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/20/2023 02:53	WG2063055
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/20/2023 02:53	WG2063055
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/20/2023 02:53	WG2063055
Tetrachloroethene	U		0.0280	0.100	1	05/20/2023 02:53	WG2063055
Toluene	0.113	J	0.0500	0.200	1	05/20/2023 02:53	WG2063055
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/20/2023 02:53	WG2063055
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/20/2023 02:53	WG2063055
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/20/2023 02:53	WG2063055

JC 7/31/2023

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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/20/2023 02:53	WG2063055
Trichloroethene	U		0.0160	0.0400	1	05/20/2023 02:53	WG2063055
Trichlorofluoromethane	U		0.0200	0.100	1	05/20/2023 02:53	WG2063055
1,2,3-Trichloropropane	U		0.204	0.500	1	05/20/2023 02:53	WG2063055
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/20/2023 02:53	WG2063055
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/20/2023 02:53	WG2063055
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/20/2023 02:53	WG2063055
Vinyl chloride	31.9		0.0273	0.100	1	05/20/2023 02:53	WG2063055
Xylenes, Total	U		0.191	0.260	1	05/20/2023 02:53	WG2063055
Ethyl Ether	U		0.0170	0.100	1	05/20/2023 02:53	WG2063055
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/20/2023 02:53	WG2063055
Iodomethane	U		0.242	0.500	1	05/20/2023 02:53	WG2063055
Allyl chloride	U		0.580	1.00	1	05/20/2023 02:53	WG2063055
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/20/2023 02:53	WG2063055
(S) Toluene-d8	*107*			*75.0-131*		*05/20/2023 02:53*	WG2063055
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*05/20/2023 02:53*	WG2063055
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/20/2023 02:53*	WG2063055

JC 7/31/2023

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/20/2023 03:12	WG2063055
Acrylonitrile	U		0.0760	0.500	1	05/20/2023 03:12	WG2063055
Benzene	U		0.0160	0.0400	1	05/20/2023 03:12	WG2063055
Bromobenzene	U		0.0420	0.500	1	05/20/2023 03:12	WG2063055
Bromodichloromethane	U		0.0315	0.100	1	05/20/2023 03:12	WG2063055
Bromoform	U		0.239	1.00	1	05/20/2023 03:12	WG2063055
Bromomethane	U		0.148	0.500	1	05/20/2023 03:12	WG2063055
n-Butylbenzene	U		0.153	0.500	1	05/20/2023 03:12	WG2063055
sec-Butylbenzene	U		0.101	0.500	1	05/20/2023 03:12	WG2063055
tert-Butylbenzene	U		0.0620	0.200	1	05/20/2023 03:12	WG2063055
Carbon tetrachloride	U		0.0432	0.200	1	05/20/2023 03:12	WG2063055
Chlorobenzene	U		0.0229	0.100	1	05/20/2023 03:12	WG2063055
Chlorodibromomethane	U		0.0180	0.100	1	05/20/2023 03:12	WG2063055
Chloroethane	U		0.0432	0.200	1	05/20/2023 03:12	WG2063055
Chloroform	U		0.0166	0.100	1	05/20/2023 03:12	WG2063055
Chloromethane	U		0.0556	0.500	1	05/20/2023 03:12	WG2063055
2-Chlorotoluene	U		0.0368	0.100	1	05/20/2023 03:12	WG2063055
4-Chlorotoluene	U		0.0452	0.200	1	05/20/2023 03:12	WG2063055
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/20/2023 03:12	WG2063055
1,2-Dibromoethane	U		0.0210	0.100	1	05/20/2023 03:12	WG2063055
Dibromomethane	U		0.0400	0.200	1	05/20/2023 03:12	WG2063055
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/20/2023 03:12	WG2063055
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/20/2023 03:12	WG2063055
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/20/2023 03:12	WG2063055
Dichlorodifluoromethane	U		0.0327	0.100	1	05/20/2023 03:12	WG2063055
1,1-Dichloroethane	U		0.0230	0.100	1	05/20/2023 03:12	WG2063055
1,2-Dichloroethane	U		0.0190	0.100	1	05/20/2023 03:12	WG2063055
1,1-Dichloroethene	U		0.0200	0.100	1	05/20/2023 03:12	WG2063055
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/20/2023 03:12	WG2063055
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/20/2023 03:12	WG2063055
1,2-Dichloropropane	U		0.0508	0.200	1	05/20/2023 03:12	WG2063055
1,1-Dichloropropene	U		0.0280	0.100	1	05/20/2023 03:12	WG2063055
1,3-Dichloropropane	U		0.0700	0.200	1	05/20/2023 03:12	WG2063055
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/20/2023 03:12	WG2063055
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/20/2023 03:12	WG2063055
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	05/20/2023 03:12	WG2063055
Di-isopropyl ether	U		0.0140	0.0400	1	05/20/2023 03:12	WG2063055
Ethylbenzene	U		0.0212	0.100	1	05/20/2023 03:12	WG2063055
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/20/2023 03:12	WG2063055
Isopropylbenzene	U		0.0345	0.100	1	05/20/2023 03:12	WG2063055
p-Isopropyltoluene	U		0.0932	0.200	1	05/20/2023 03:12	WG2063055
2-Butanone (MEK)	U		0.500	1.00	1	05/20/2023 03:12	WG2063055
Methylene Chloride	U		0.265	1.00	1	05/20/2023 03:12	WG2063055
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/20/2023 03:12	WG2063055
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/20/2023 03:12	WG2063055
Naphthalene	U	UJ C3	0.124	0.500	1	05/20/2023 03:12	WG2063055
n-Propylbenzene	U		0.0472	0.200	1	05/20/2023 03:12	WG2063055
Styrene	U		0.109	0.500	1	05/20/2023 03:12	WG2063055
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/20/2023 03:12	WG2063055
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/20/2023 03:12	WG2063055
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/20/2023 03:12	WG2063055
Tetrachloroethene	U		0.0280	0.100	1	05/20/2023 03:12	WG2063055
Toluene	U		0.0500	0.200	1	05/20/2023 03:12	WG2063055
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/20/2023 03:12	WG2063055
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/20/2023 03:12	WG2063055 JC 7/31/2023
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/20/2023 03:12	WG2063055

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	05/20/2023 03:12	WG2063055
Trichloroethene	U		0.0160	0.0400	1	05/20/2023 03:12	WG2063055
Trichlorofluoromethane	U		0.0200	0.100	1	05/20/2023 03:12	WG2063055
1,2,3-Trichloropropane	U		0.204	0.500	1	05/20/2023 03:12	WG2063055
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/20/2023 03:12	WG2063055
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/20/2023 03:12	WG2063055
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/20/2023 03:12	WG2063055
Vinyl chloride	U		0.0273	0.100	1	05/20/2023 03:12	WG2063055
Xylenes, Total	U		0.191	0.260	1	05/20/2023 03:12	WG2063055
Ethyl Ether	U		0.0170	0.100	1	05/20/2023 03:12	WG2063055
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/20/2023 03:12	WG2063055
Iodomethane	U		0.242	0.500	1	05/20/2023 03:12	WG2063055
Allyl chloride	U		0.580	1.00	1	05/20/2023 03:12	WG2063055
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/20/2023 03:12	WG2063055
(S) Toluene-d8	*108*			*75.0-131*		*05/20/2023 03:12*	WG2063055
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/20/2023 03:12*	WG2063055
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/20/2023 03:12*	WG2063055

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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	UJ C3	11.0	20.0	20	05/20/2023 08:34	WG2063055
Acrylonitrile	U		1.52	10.0	20	05/20/2023 08:34	WG2063055
Benzene	3.28		0.320	0.800	20	05/20/2023 08:34	WG2063055
Bromobenzene	U		0.840	10.0	20	05/20/2023 08:34	WG2063055
Bromodichloromethane	U		0.630	2.00	20	05/20/2023 08:34	WG2063055
Bromoform	U		4.78	20.0	20	05/20/2023 08:34	WG2063055
Bromomethane	U		2.96	10.0	20	05/20/2023 08:34	WG2063055
n-Butylbenzene	U		3.06	10.0	20	05/20/2023 08:34	WG2063055
sec-Butylbenzene	U		2.02	10.0	20	05/20/2023 08:34	WG2063055
tert-Butylbenzene	U		1.24	4.00	20	05/20/2023 08:34	WG2063055
Carbon tetrachloride	U		0.864	4.00	20	05/20/2023 08:34	WG2063055
Chlorobenzene	U		0.458	2.00	20	05/20/2023 08:34	WG2063055
Chlorodibromomethane	U		0.360	2.00	20	05/20/2023 08:34	WG2063055
Chloroethane	U		0.864	4.00	20	05/20/2023 08:34	WG2063055
Chloroform	U		0.332	2.00	20	05/20/2023 08:34	WG2063055
Chloromethane	U		1.11	10.0	20	05/20/2023 08:34	WG2063055
2-Chlorotoluene	U		0.736	2.00	20	05/20/2023 08:34	WG2063055
4-Chlorotoluene	U		0.904	4.00	20	05/20/2023 08:34	WG2063055
1,2-Dibromo-3-Chloropropane	U	UJ C3	4.08	20.0	20	05/20/2023 08:34	WG2063055
1,2-Dibromoethane	U		0.420	2.00	20	05/20/2023 08:34	WG2063055
Dibromomethane	U		0.800	4.00	20	05/20/2023 08:34	WG2063055
1,2-Dichlorobenzene	U		1.16	4.00	20	05/20/2023 08:34	WG2063055
1,3-Dichlorobenzene	U		1.36	4.00	20	05/20/2023 08:34	WG2063055
1,4-Dichlorobenzene	U		1.58	4.00	20	05/20/2023 08:34	WG2063055
Dichlorodifluoromethane	U		0.654	2.00	20	05/20/2023 08:34	WG2063055
1,1-Dichloroethane	U		0.460	2.00	20	05/20/2023 08:34	WG2063055
1,2-Dichloroethane	U		0.380	2.00	20	05/20/2023 08:34	WG2063055
1,1-Dichloroethene	U		0.400	2.00	20	05/20/2023 08:34	WG2063055
cis-1,2-Dichloroethene	493		0.552	2.00	20	05/20/2023 08:34	WG2063055
trans-1,2-Dichloroethene	U		1.14	4.00	20	05/20/2023 08:34	WG2063055
1,2-Dichloropropane	U		1.02	4.00	20	05/20/2023 08:34	WG2063055
1,1-Dichloropropene	U		0.560	2.00	20	05/20/2023 08:34	WG2063055
1,3-Dichloropropane	U		1.40	4.00	20	05/20/2023 08:34	WG2063055
cis-1,3-Dichloropropene	U		0.542	2.00	20	05/20/2023 08:34	WG2063055
trans-1,3-Dichloropropene	U		1.22	4.00	20	05/20/2023 08:34	WG2063055
2,2-Dichloropropane	U	UJ C3	0.634	2.00	20	05/20/2023 08:34	WG2063055
Di-isopropyl ether	U		0.280	0.800	20	05/20/2023 08:34	WG2063055
Ethylbenzene	U		0.424	2.00	20	05/20/2023 08:34	WG2063055
Hexachloro-1,3-butadiene	U		10.2	20.0	20	05/20/2023 08:34	WG2063055
Isopropylbenzene	U		0.690	2.00	20	05/20/2023 08:34	WG2063055
p-Isopropyltoluene	U		1.86	4.00	20	05/20/2023 08:34	WG2063055
2-Butanone (MEK)	U		10.0	20.0	20	05/20/2023 08:34	WG2063055
Methylene Chloride	U		5.30	20.0	20	05/20/2023 08:34	WG2063055
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	05/20/2023 08:34	WG2063055
Methyl tert-butyl ether	U		0.236	0.800	20	05/20/2023 08:34	WG2063055
Naphthalene	U	UJ C3	2.48	10.0	20	05/20/2023 08:34	WG2063055
n-Propylbenzene	U		0.944	4.00	20	05/20/2023 08:34	WG2063055
Styrene	U		2.18	10.0	20	05/20/2023 08:34	WG2063055
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	05/20/2023 08:34	WG2063055
1,1,2,2-Tetrachloroethane	U	UJ C3	0.312	2.00	20	05/20/2023 08:34	WG2063055
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	05/20/2023 08:34	WG2063055
Tetrachloroethene	14.4		0.560	2.00	20	05/20/2023 08:34	WG2063055
Toluene	U		1.00	4.00	20	05/20/2023 08:34	WG2063055
1,2,3-Trichlorobenzene	U	UJ C3	0.500	10.0	20	05/20/2023 08:34	WG2063055
1,2,4-Trichlorobenzene	U		3.86	10.0	20	05/20/2023 08:34	WG2063055
1,1,1-Trichloroethane	U		0.220	2.00	20	05/20/2023 08:34	WG2063055

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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	
1,1,2-Trichloroethane	U		0.706	2.00	20	05/20/2023 08:34	WG2063055
Trichloroethene	8.72		0.320	0.800	20	05/20/2023 08:34	WG2063055
Trichlorofluoromethane	U		0.400	2.00	20	05/20/2023 08:34	WG2063055
1,2,3-Trichloropropane	U		4.08	10.0	20	05/20/2023 08:34	WG2063055
1,2,4-Trimethylbenzene	U		0.928	4.00	20	05/20/2023 08:34	WG2063055
1,2,3-Trimethylbenzene	U		0.920	4.00	20	05/20/2023 08:34	WG2063055
1,3,5-Trimethylbenzene	U		0.864	4.00	20	05/20/2023 08:34	WG2063055
Vinyl chloride	132		0.546	2.00	20	05/20/2023 08:34	WG2063055
Xylenes, Total	U		3.82	5.20	20	05/20/2023 08:34	WG2063055
Ethyl Ether	U		0.340	2.00	20	05/20/2023 08:34	WG2063055
Tetrahydrofuran	U	UJ C3	1.80	10.0	20	05/20/2023 08:34	WG2063055
Iodomethane	U		4.84	10.0	20	05/20/2023 08:34	WG2063055
Allyl chloride	U		11.6	20.0	20	05/20/2023 08:34	WG2063055
Trans-1,4-Dichloro-2-butene	U	UJ C3	1.12	4.00	20	05/20/2023 08:34	WG2063055
(S) Toluene-d8	*107*			*75.0-131*		*05/20/2023 08:34*	WG2063055
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*05/20/2023 08:34*	WG2063055
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*05/20/2023 08:34*	WG2063055

Sample Narrative:

L1616159-10 WG2063055: Target compounds too high to run at a lower dilution.

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MEMORANDUM

TO: Project File **DATE:** June 22, 2023

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 443022-143001.10.701.02

TASK: EIM Data Validation Level EPA2A for 2nd Quarter Monitoring 2023 – Groundwater Samples – Group 2

LAB: Pace Sample Delivery Groups (SDGs): L1615451, L1617171, L1617276, and L1618697

Sixty-four groundwater samples (including five field duplicate samples), one equipment blank, and three trip blanks were collected as part of the 2nd Quarterly Monitoring Round for 2023 for the ongoing Remedial Investigation (RI) sampling at the Former American Linen Supply Site, in Seattle, Washington in May 9-10 and 15-19, 2023. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

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

Results are reported in multiple SDGs from Pace. Pace SDGs are reviewed in small groups for each data validation report. Group 2 analytical results are reported in four SDGs. The quality assurance review of the laboratory data associated with Group 2 is summarized below.

DATA QUALIFICATIONS

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

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested with the following discussions:

- SDG L1615451: Samples MW-304-050923 (L1615451-11) and MW105-050923 (L1615451-03) are listed twice on the chain of custody (COC). PES confirmed that only one sample set was collected per monitoring well (May 12, 2023). This is also confirmed with Pace's non-conformance form, and laboratory sample identifications on the COC.

- SDG L1617171: COC relinquished by (laboratory signature, date, and time) details are not complete. Corrective action consisted of contacting PES to ensure that future COCs are relinquished with signature and date.

- SDGs L1615451 and L1617171: COC received by (laboratory signature) entry appear to be incomplete ("J 10"). This may be due to faint ink and/or low-quality copies of the COCs included in the reports. Pace was contacted to confirm the signatures and response is pending.

- SDG L1617171: Laboratory notes indicate that the equipment blank (EQ-051623) sample was included in the cooler but was not listed on the COC. PES confirmed equipment blank should be listed on the COC.

- SDG L1617171: The following sample identifications were listed incorrectly on the COC and were corrected by PES on May 24, 2023:

    - Sample MW-109-051523 was corrected to read **MW109**-051523
    - Sample MW-111-051523 was corrected to read **MW111**-051523
    - Sample MW-127-051623 was corrected to read **MW127**-051623
    - Sample MW-121-051623 was corrected to read **MW121**-051623

- SDG L1617276: The following sample identifications were either not listed or listed incorrectly on the COC and were corrected by PES on May 18, 2023:

    - Sample MW-991-1-051523 was added to the COC and corrected to read **MW-991-**051523
    - Sample MW-102-051523 was corrected to read **MW107**-051523

- SDG L1617276: Per PES's request on May 18, 2023, samples MW107-051523 and MW-991-051523 were analyzed for VOCs, dissolved gases, metals (iron and manganese), TOC, and sulfate.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C with the following exceptions:

- SDG L1617171: Samples collected on May 15-16 were received by the laboratory on May 17, 2023. All samples were received above EPA recommended temperature of 6°C at 13.2°C. Laboratory notes confirmed that the samples were iced prior to shipment and melted during transit. **All sample results for VOCs, TOC, dissolved gases, and sulfate are qualified (J/UJ) due to the temperature exceedance except for metal results for samples (W-MW-01-051623, MW-142-051623, and MW-143-051623).**

Holding Times

USEPA Method 8260D:
All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters (seven days for unpreserved waters) from the date of collection. All holding time criteria are met with the following exceptions:

- SDG L1615451: Case narrative review indicates that sample MW-179-051023 pH did not meet the preservation requirement for VOC analysis and exceeded the recommended hold time by one day. **VOC results for sample MW-179-051023 are estimated and qualified (UJ/J) due to holding time exceedance.**

- SDG L1617171: Case narrative review indicates that sample MW-159-051623 and R-MW6-051623 pH did not meet the preservation requirement for VOC analysis and exceeded the recommended hold time by two and seven days, respectively. **VOC results for samples MW-159-051623 and R-MW6-051623 are already estimated and qualified (UJ/J) because the preservation requirement was not met.**

- SDG L1618697: Samples MW113-051823 and MW-322-051723 were analyzed for VOCs one to two days past the recommended fourteen day holding time and are laboratory qualified (T8). **VOC results for samples MW113-051823 and MW-322-051723 are estimated and qualified (UJ/J) due to holding time exceedance.**

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

USEPA Method 6020B:
All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection. All holding time criteria are met.

General Chemistry (Sulfate and TOC):
All samples were analyzed within the USEPA recommended holding time for sulfate (28 days), and TOC (28 days) for preserved waters from the date of sample collection. All holding time criteria are met.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however Pace's notes indicate the following:

- Multiple SDGs - *USEPA Method 8260D:* Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in associated SDGs. These compounds are qualified by the laboratory "C3" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. Low level reporting limit check standard (sensitivity) requirements are within criteria. **Associated sample results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**

- SDGs L1615451 and L1617171 - *USEPA Method 8260D:* Continuing calibration verification (CCV) issue was noted by Pace for tetrachloroethene in SDG L1615451 and for vinyl chloride in SDG L1617171. These compounds are qualified by the laboratory "C5" to indicate that percent difference CCV is above laboratory acceptance criteria and showing high bias. **Associated sample results (detects) are estimated with high bias and qualified (J+).**

Method Blank Results

USEPA Method 8260D:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exception:

- SDG L1615451 – Analytical batch WG2062291: Tetrahydrofuran is detected in the method blank at a low level above the RDL. No action is needed for tetrahydrofuran since it is not detected in the associated samples.

- SDG L1618697 – Analytical batch WG2066865: Styrene is detected in the method blank at a low level above the RDL. No action is needed for styrene since it is not detected in the associated samples.

- SDG L1618697 – Analytical batch WG2067719: Acetone and chlorobenzene are detected in the method blank at low levels. No action is needed for chlorobenzene since it isn't detected in the associated samples. Acetone was detected at 1.97 µg/L and above the RDL (1.00 µg/L). **Acetone detections in samples MW106-051823, FMW-129-051823, MW-329-051823, MW128-051823, MW-341-051823, MW116-051823, MW115-051823, MW-323-051723, MW-324-051823, and MW-319-051723 are qualified as not detected (U) due to method blank or trip blank contamination.** Refer to the trip blank section for additional discussion.

- SDG L1618697 – Analytical batch WG2069133: Four VOC compounds (1,2,4-trimethylbenzene, 1,2,3-trimethylbenzene, 1,3,5-trimethylbenzene, and total xylenes) are detected in the method blank at low levels above and below their respective RDLs. VOC compound 1,2,4-trimethylbenzene is detected below the RDL in samples MW113-051823 and MW-322-051723. **1,2,4-Trimethylbenzene results for samples MW113-051823 and MW-322-051723 are qualified as not detected (U) and are also qualified as estimated (J) due to a two-day holding time exceedance.** No action is needed for the remaining compounds since these are not detected in the associated samples.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

USEPA Method 6020B and General Chemistry (Sulfate and TOC):
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry and metal blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1615451	WG2059986	9060A	TOC	260	J	1000	µg/L	NO
L1617171	WG2065458	9060A	TOC	152	J	1000	µg/L	NO
L1617276	WG2066225	9056A	TOC	143	J	1000	µg/L	NO
L1617276	WG2066225	9056A	TOC	108	J	1000	µg/L	NO

Target analytes were detected in method blanks at low levels with no impact to the associated samples.

Trip Blank Results

USEPA Method 8260D:
Three trip blanks (TB-051023 (SDG L1615451); TB-051623 (SDG L1617276); and TB-051923 (SDG L1618697)) were collected and analyzed for VOCs. The target analytes were not detected in the trip blank at or above the RDLs with the following exceptions:

- SDG L1615451: Low levels of toluene, vinyl chloride, and ethyl ether were detected below the RDLs in the trip blank (TB-051023). Actions are as follows:
    - Sample FMW-131-050923 toluene detection is below the RDL. **Toluene detection in sample FMW-131-050923 is qualified as not detected (U) due to trip blank contamination.** No action is needed for the remaining samples since the toluene detections exceed the RDL or toluene was not detected.
    - Sample MW119-050923 vinyl chloride detection is below the RDL. **Vinyl chloride detection in sample MW119-050923 is qualified as not detected (U) due to trip blank contamination.** No action is needed for the remaining samples

since the vinyl chloride detections exceed the RDL or vinyl chloride was not detected.

- Sample MW-331-050923 ethyl ether detection is below the RDL. **Ethyl ether detection in sample MW-331-050923 is qualified as not detected (U) due to trip blank contamination.** No action is needed for the remaining samples since the ethyl ether either exceeds the RDL or was not detected.

- SDG L1617276: A low level of acetone was detected in the trip blank (TB-051623) at 1.40 µg/L and above the RDL (1.00 µg/L). A**cetone was detected below the established action level in five samples (MW-313-051523 (field duplicate MW-986-051523), MW-160-051523, MW-161-051523 (field duplicate MW-989-051523)). Acetone results for these samples are qualified as non-detect (U) due to equipment and/or trip blank contamination.** Refer to the equipment blank section for additional discussion.

- SDG L1618697: Acetone, 1,2-dichloroethane, and toluene were detected in the trip blank (TB-051923). Actions are as follows:

  - Acetone was detected in the associated trip blank at 9.35 µg/L and above the RDL (1.00 µg/L). **Acetone detections in samples MW106-051823, FMW-129-051823, MW-329-051823, MW128-051823, MW-341-051823, MW116-051823, MW115-051823, MW-323-051723, MW-324-051823 and MW-319-051723 are qualified as not detected (U).**

  - 1,2-Dichloroethane was detected in the associated trip blank at 0.0190 µg/L and below the RDL (0.100 µg/L). No action is needed for the associated samples since 1,2-dichloroethane was not detected.

  - Toluene was detected in the associated trip blank at 0.0720 µg/L and below the RDL (0.200 µg/L). **Toluene is detected below the RDL in sample MW113-051823 and is qualified as not detected (U) due to trip blank contamination.** Sample MW113-051823 toluene result is also qualified as estimated (J) due to a holding time exceedance. **Toluene is qualified as not detected (U) using a hierarchy of qualifiers (stringent qualifier superseding the least stringent qualifier) to evaluate.** No action is needed for the associated samples since toluene was not detected below the RDL.

Field, Rinsate, or Equipment Blank Results

One equipment blank (EQ-051623 – SDG L1617171) was collected and is associated with SDGs L1617171 and L1617276. The equipment blank (EQ-051623) samples were collected from the bladder pump on May 15-16, 2023, and is associated with the following SDGs, samples, and analytical parameters:

SDG	Sample ID	Analytical Parameters
L1617171	EQ-051623	VOCs, dissolved gases, metals, TOC, and sulfate
	W-MW-01-051623	VOCs, dissolved gases, metals, TOC, and sulfate

L1617276	MW-145R-051523	VOCs, dissolved gases, metals, TOC, and sulfate
	MW-313-051523 MW-986-051523 (FD)	VOCs
	MW110-051523	VOCs
	MW104-051523	VOCs
	MW-160-051523	VOCs
	MW-161-051523 MW-989-051523 (FD)	VOCs
	MW-326R-051523	VOCs

Note:
FD – Field duplicate

Low levels of TOC, methane and two VOCs (acetone and 2-butanone (MEK)) are detected in the equipment blank. Per Guidance, for common laboratory contaminants (acetone), if the blank concentration is greater than the RDL and less than twice the blank result the common lab contaminant is qualified as non-detect (U). Actions are as follows:

- TOC is detected in the equipment blank at 256 µg/L and below the RDL (1000 µg/L). TOC was also detected in the method blank (152 µg/L). No action is taken since TOC is detected above the RDL in the associated samples.

- Methane is detected in the equipment blank at 1.29 µg/L and above the RDL (0.678 µg/L). No action is needed since methane is detected significantly above the RDL in the associated samples.

- Acetone was detected in the equipment blank at 2.88 µg/L and above the RDL (1.00 µg/L). Actions are as follows:

    - **For SDG L1617171 acetone was detected below the established action level (2.88 x 2) in sample W-MW-01-022423 and qualified as not detected (U).** Sample W-MW-01-022423 is also estimated (J) due to the preservation issue. **Acetone result in sample W-MW-01-022423 is qualified as not detected (U) using a hierarchy of qualifiers (stringent qualifier superseding the least stringent qualifier) to evaluate.**

    - **For SDG L1617276 acetone was detected below the action level in samples MW-313-051523 (field duplicate MW-986-051523), MW-160-051523, and MW-161-051523 (field duplicate MW-989-051523). Acetone results for these samples are qualified as non-detected (U) due to equipment and/or trip blank contamination.** Refer to the trip blank section for additional discussion.

- 2-Butanone (MEK) is detected in the equipment blank at 1.31 µg/L and above the RDL (1.00 µg/L). No action is needed since MEK is either not detected or detected above the detection in the associated results.

Field Duplicate Analyses

Four field duplicate pairs were submitted and analyzed (analyzed for VOCs only or full analytical suite). Field duplicate sample pairs are as follows:

- SDG L1615451: Samples MW-326-050923 and MW-990-050923 (VOCs)
- SDG L1617276: Samples MW-161-051523 and MW-989-051523 (VOCs)
- SDG L1617276: Samples MW-313-051523 and MW-986-051523 (VOCs)
- SDG L1617276: Samples MW107-051523 and MW-991-051523 (VOCs, dissolved gases, metals, TOC, and sulfate)

Target analyte results are comparable and within a relative percent difference (RPD) of 30% (± 1x RDL for groundwater results <5X the RDL) for the field duplicate pairs with the following exceptions:

- SDG L1617276: Methane RPD exceeds criteria for field duplicate pair MW107-051523 and MW-991-051523. **Field duplicate methane results for samples MW107-051523 and MW-991-051523 are estimated and qualified (J).**

Laboratory Duplicate Analyses

USEPA Method 8260D:
Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicate (MS/MSD) results for precision data.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples within the analytical batches. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20% or ± 1x RDL for groundwater results <5X the RDL.

USEPA Method 6020B:
Laboratory duplicate samples were not analyzed. Refer to MS/MSD or field duplicate results for precision data.

General Chemistry (Sulfate and TOC):
Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or ± 1x RDL for groundwater results <5X the RDL.

Surrogate Recoveries

USEPA Method 8260D:
The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses with the following exceptions:

- SDG L1617171: Sample MW-317-051623 VOC surrogate 1,2-dichloroethane-d4 is recovered above laboratory control limit criteria. No action is needed since the VOC

results (detections above the RDL) are already estimated and qualified (J) due to the preservation issue.

Laboratory Control Samples

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

- SDG L1615451 - Analytical batch WG2061566: LCS/LCSD RPD for compound tert-butylbenzene laboratory qualified (J3). No action is taken for the elevated RPD since LCS/LCSD recoveries are acceptable.

- SDG L1615451 - Analytical batch WG2061937: LCS % recoveries for bromobenzene and hexachloro-1,3-butadiene are above laboratory control limit criteria (J4). No action is needed for bromobenzene and hexachloro-1,3-butadiene as these compounds are not detected in the associated samples.

- SDG L1617171 - Analytical batch WG2064041: LCS/LCSD % recoveries for hexachloro-1,3-butadiene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene are recovered above laboratory criteria and laboratory qualified (J4**).** No action taken on this basis for hexachloro-1,3-butadiene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene as these compounds are not detected in the associated samples.

- SDG L1617171 - Analytical batch WG2064041: LCSD % recovery for 1,2-dibromo-3-chloropropane is recovered above laboratory criteria and laboratory qualified (J4**).** No action is taken on this basis for 1,2-dibromo-3-chloropropane as the LCS and RPD are within criteria.

- SDG L1617171 - Analytical batch WG2064041: LCS % recovery for methylene chloride is recovered low and laboratory qualified (J4**)** LCS/LCSD RPD is outside criteria and laboratory qualified (J3). **Methylene chloride results for samples MW-311-051523, MW109-051523, MW111-051523, FMW-140-051523, FMW-141-051523, GEI-MW-1-051623, MW127-051623, MW-317-051623, W-MW-01-051623, and MW-318-051623 are already estimated and qualified (UJ/J) due to the preservation issue**.

- SDG L1617171 - Analytical batch WG206404: LCS/LCSD % recoveries for iodomethane are below criteria. **Iodomethane results for samples MW-311-051523, MW109-051523, MW111-051523, FMW-140-051523, FMW-141-051523, GEI-MW-1-051623, MW127-051623, MW-317-051623, W-MW-01-051623, and MW-318-051623 are already estimated and qualified (UJ/J) due to the preservation issue**.

- SDGs L1617171 and L1617276 - Analytical batch WG2066129: LCS/LCSD RPDs exceed criteria for acetone, acrylonitrile, and tetrahydrofuran are laboratory qualified (J3). No action is taken on this basis since LCS/LCSD recoveries are acceptable.

- SDGs L1617171 and L1617276 - Analytical batch WG2066129: LCS % recovery for naphthalene is recovered low and laboratory qualified (J4**).** No action is taken on this basis since the LCSD recovery and RPD are within criteria.

- SDG L1617171 - Analytical batch WG2068671: LCS % recoveries for bromomethane, 2,2-dichloropropane, isopropylbenzene, 1,1,1-trichloroethane, and trichlorofluoromethane are recovered above laboratory criteria and laboratory qualified (J4). No action is taken on this basis for these compounds as they are not detected in the associated samples.

- SDG L1618697 - Analytical batch WG2066865: LCS/LCSD RPD exceeds laboratory acceptance criteria for compound tert-butylbenzene is laboratory qualified (J3). No action is taken since LCS/LCSD recoveries for tert-butylbenzene are acceptable.

- SDG L1618697 - Analytical batch WG2067719: LCS % recoveries for 1,2-dibromo-3-chloropropane and 1,2,4-trichlorobenzene are recovered low and laboratory qualified (J4). No action is needed for these compounds as the LCSD recoveries and RPDs are within criteria.

- SDG L1618697 - Analytical batch WG2067719: LCS/LCSD % recoveries for naphthalene and 1,2,3-trichlorobenzene are recovered low and RPDs are outside of criteria. Associated naphthalene and 1,2,3-trichlorobenzene results are laboratory qualified (J3, J4). **Naphthalene and 1,2,3-trichlorobenzene results for the associated samples (MW106-051823, FMW-129-051823, MW-329-051823, MW128-051823, MW-341-051823, MW116-051823, MW115-051823, MW-324-051823, MW-319-051723, and MW-323-051723) are already estimated and qualified (UJ) due to a low CCV.**

- SDG L1618697- Analytical batch WG2069133: LCS/LCSD RPD exceeds laboratory acceptance criteria for compound 2,2-dichloropropane and is laboratory qualified (J3). No action is taken since LCS/LCSD recoveries are acceptable.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

USEPA Method 6020B:
The LCS % Rs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

General Chemistry (Sulfate and TOC):
The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260D:
MS/MSD analyses were performed on non-client samples within the analytical batches. In cases where matrix spike analysis were not performed refer to field duplicate and LCS/LCSD results.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
MS/MSD analyses were performed on client and on non-client samples within some of the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples.

USEPA Method 6020B:
MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. Client sample MS or MS/MSD % Rs and RPD are acceptable and within laboratory control limit criteria for water samples with the following exceptions:

- SDG L1615451 – Analytical batch WG2062564: Manganese MS/MSD analysis was performed on sample MW-177-051023. MS/MSD % recoveries exceed laboratory acceptance criteria and are laboratory qualified (V). No action is needed since the sample MW-177-051023 sample amount is greater than four times the spike amount.

General Chemistry (Sulfate and TOC):
MS or MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS or laboratory duplicate data for accuracy and precision data. Client sample MS or MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples.

Other Quality Control Issues

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

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

Compound Identification and Quantitation Limits

Results of the analyses are reported to the method detection limit (MDLs). RDLs for selected compounds are elevated due to method-required dilutions. Per PES's request the associated EDDs show result reporting limits (also known as reported detection limit (RDL) or practical quantitation limit (PQL)) and result detection limits (also referred to as method detection limit (MDL)) instead of defaulting to the RDLs when reporting the actual MDLs. Pace laboratory sample narrative notes regarding elevated results or elevated detection limits are summarized as follows:

- SDG L1617171: Sample MW-317-051623 VOC results were diluted to the lowest possible dilution (5X) due to foaming.

- SDG L1617171: Sample FMW-140-051523 vinyl chloride result is laboratory qualified (E) because the result exceeds the calibration range. **Vinyl chloride result for sample FMW-140-051523 is already estimated and qualified (J) due to the preservation issue.**

- SDG L1618697: Sample MW113-051823 VOC results are diluted to the lowest possible dilution (5X) due to sample foaming.

- SDG L1618697: Sample MW-322-051723 had a few elevated VOC target compounds and the laboratory was not able to run the sample at a lower dilution than 20X.

Data Assessment

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

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

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

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	05/17/2023 13:38	WG2061566
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 13:38	WG2061566
Benzene	0.0480		0.0160	0.0400	1	05/17/2023 13:38	WG2061566
Bromobenzene	U		0.0420	0.500	1	05/17/2023 13:38	WG2061566
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 13:38	WG2061566
Bromoform	U	UJ C3	0.239	1.00	1	05/17/2023 13:38	WG2061566
Bromomethane	U		0.148	0.500	1	05/17/2023 13:38	WG2061566
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 13:38	WG2061566
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 13:38	WG2061566
tert-Butylbenzene	U	~~J3~~	0.0620	0.200	1	05/17/2023 13:38	WG2061566
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 13:38	WG2061566
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 13:38	WG2061566
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 13:38	WG2061566
Chloroethane	U		0.0432	0.200	1	05/17/2023 13:38	WG2061566
Chloroform	U		0.0166	0.100	1	05/17/2023 13:38	WG2061566
Chloromethane	U		0.0556	0.500	1	05/17/2023 13:38	WG2061566
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 13:38	WG2061566
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 13:38	WG2061566
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/17/2023 13:38	WG2061566
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 13:38	WG2061566
Dibromomethane	U		0.0400	0.200	1	05/17/2023 13:38	WG2061566
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 13:38	WG2061566
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 13:38	WG2061566
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 13:38	WG2061566
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 13:38	WG2061566
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 13:38	WG2061566
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 13:38	WG2061566
1,1-Dichloroethene	0.0430	J	0.0200	0.100	1	05/17/2023 13:38	WG2061566
cis-1,2-Dichloroethene	9.12		0.0276	0.100	1	05/17/2023 13:38	WG2061566
trans-1,2-Dichloroethene	0.0900	J	0.0572	0.200	1	05/17/2023 13:38	WG2061566
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 13:38	WG2061566
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 13:38	WG2061566
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 13:38	WG2061566
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 13:38	WG2061566
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 13:38	WG2061566
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 13:38	WG2061566
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 13:38	WG2061566
Ethylbenzene	U		0.0212	0.100	1	05/17/2023 13:38	WG2061566
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2023 13:38	WG2061566
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 13:38	WG2061566
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 13:38	WG2061566
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 13:38	WG2061566
Methylene Chloride	U		0.265	1.00	1	05/17/2023 13:38	WG2061566
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 13:38	WG2061566
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 13:38	WG2061566
Naphthalene	U		0.124	0.500	1	05/17/2023 13:38	WG2061566
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 13:38	WG2061566
Styrene	U		0.109	0.500	1	05/17/2023 13:38	WG2061566
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 13:38	WG2061566
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 13:38	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 13:38	WG2061566
Tetrachloroethene	1.25		0.0280	0.100	1	05/17/2023 13:38	WG2061566
Toluene	U		0.0500	0.200	1	05/17/2023 13:38	WG2061566
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/17/2023 13:38	WG2061566
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 13:38	WG2061566
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 13:38	WG2061566

JC 6/15/23

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	05/17/2023 13:38	WG2061566
Trichloroethene	3.40		0.0160	0.0400	1	05/17/2023 13:38	WG2061566
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 13:38	WG2061566
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 13:38	WG2061566
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 13:38	WG2061566
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 13:38	WG2061566
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 13:38	WG2061566
Vinyl chloride	0.0860	U J	0.0273	0.100	1	05/17/2023 13:38	WG2061566
Xylenes, Total	U		0.191	0.260	1	05/17/2023 13:38	WG2061566
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 13:38	WG2061566
Tetrahydrofuran	0.302	J	0.0900	0.500	1	05/17/2023 13:38	WG2061566
Iodomethane	U		0.242	0.500	1	05/17/2023 13:38	WG2061566
Allyl chloride	U		0.580	1.00	1	05/17/2023 13:38	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2023 13:38	WG2061566
(S) Toluene-d8	*110*			*75.0-131*		*05/17/2023 13:38*	WG2061566
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/17/2023 13:38*	WG2061566
(S) 1,2-Dichloroethane-d4	*86.6*			*70.0-130*		*05/17/2023 13:38*	WG2061566

JC 6/15/23

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/17/2023 13:58	WG2061566
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 13:58	WG2061566
Benzene	0.0540		0.0160	0.0400	1	05/17/2023 13:58	WG2061566
Bromobenzene	U		0.0420	0.500	1	05/17/2023 13:58	WG2061566
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 13:58	WG2061566
Bromoform	U	UJ C3	0.239	1.00	1	05/17/2023 13:58	WG2061566
Bromomethane	U		0.148	0.500	1	05/17/2023 13:58	WG2061566
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 13:58	WG2061566
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 13:58	WG2061566
tert-Butylbenzene	U	~~J3~~	0.0620	0.200	1	05/17/2023 13:58	WG2061566
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 13:58	WG2061566
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 13:58	WG2061566
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 13:58	WG2061566
Chloroethane	U		0.0432	0.200	1	05/17/2023 13:58	WG2061566
Chloroform	0.491		0.0166	0.100	1	05/17/2023 13:58	WG2061566
Chloromethane	U		0.0556	0.500	1	05/17/2023 13:58	WG2061566
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 13:58	WG2061566
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 13:58	WG2061566
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/17/2023 13:58	WG2061566
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 13:58	WG2061566
Dibromomethane	U		0.0400	0.200	1	05/17/2023 13:58	WG2061566
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 13:58	WG2061566
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 13:58	WG2061566
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 13:58	WG2061566
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 13:58	WG2061566
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 13:58	WG2061566
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 13:58	WG2061566
1,1-Dichloroethene	0.0290	J	0.0200	0.100	1	05/17/2023 13:58	WG2061566
cis-1,2-Dichloroethene	10.3		0.0276	0.100	1	05/17/2023 13:58	WG2061566
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 13:58	WG2061566
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 13:58	WG2061566
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 13:58	WG2061566
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 13:58	WG2061566
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 13:58	WG2061566
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 13:58	WG2061566
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 13:58	WG2061566
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 13:58	WG2061566
Ethylbenzene	0.116		0.0212	0.100	1	05/17/2023 13:58	WG2061566
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2023 13:58	WG2061566
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 13:58	WG2061566
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 13:58	WG2061566
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 13:58	WG2061566
Methylene Chloride	U		0.265	1.00	1	05/17/2023 13:58	WG2061566
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 13:58	WG2061566
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 13:58	WG2061566
Naphthalene	U		0.124	0.500	1	05/17/2023 13:58	WG2061566
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 13:58	WG2061566
Styrene	U		0.109	0.500	1	05/17/2023 13:58	WG2061566
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 13:58	WG2061566
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 13:58	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 13:58	WG2061566
Tetrachloroethene	0.415		0.0280	0.100	1	05/17/2023 13:58	WG2061566
Toluene	0.229		0.0500	0.200	1	05/17/2023 13:58	WG2061566
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/17/2023 13:58	WG2061566
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 13:58	WG2061566
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 13:58	WG2061566

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 13:58	WG2061566
Trichloroethene	0.538		0.0160	0.0400	1	05/17/2023 13:58	WG2061566
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 13:58	WG2061566
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 13:58	WG2061566
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 13:58	WG2061566
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 13:58	WG2061566
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 13:58	WG2061566
Vinyl chloride	U		0.0273	0.100	1	05/17/2023 13:58	WG2061566
Xylenes, Total	0.618		0.191	0.260	1	05/17/2023 13:58	WG2061566
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 13:58	WG2061566
Tetrahydrofuran	0.666		0.0900	0.500	1	05/17/2023 13:58	WG2061566
Iodomethane	U		0.242	0.500	1	05/17/2023 13:58	WG2061566
Allyl chloride	U		0.580	1.00	1	05/17/2023 13:58	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2023 13:58	WG2061566
(S) Toluene-d8	*106*			*75.0-131*		*05/17/2023 13:58*	WG2061566
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/17/2023 13:58*	WG2061566
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*05/17/2023 13:58*	WG2061566

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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		0.548	1.00	1	05/17/2023 14:17	WG2061566
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 14:17	WG2061566
Benzene	0.0320	J	0.0160	0.0400	1	05/17/2023 14:17	WG2061566
Bromobenzene	U		0.0420	0.500	1	05/17/2023 14:17	WG2061566
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 14:17	WG2061566
Bromoform	U	UJ C3	0.239	1.00	1	05/17/2023 14:17	WG2061566
Bromomethane	U		0.148	0.500	1	05/17/2023 14:17	WG2061566
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 14:17	WG2061566
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 14:17	WG2061566
tert-Butylbenzene	U	~~J3~~	0.0620	0.200	1	05/17/2023 14:17	WG2061566
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 14:17	WG2061566
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 14:17	WG2061566
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 14:17	WG2061566
Chloroethane	U		0.0432	0.200	1	05/17/2023 14:17	WG2061566
Chloroform	0.0780	J	0.0166	0.100	1	05/17/2023 14:17	WG2061566
Chloromethane	U		0.0556	0.500	1	05/17/2023 14:17	WG2061566
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 14:17	WG2061566
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 14:17	WG2061566
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/17/2023 14:17	WG2061566
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 14:17	WG2061566
Dibromomethane	U		0.0400	0.200	1	05/17/2023 14:17	WG2061566
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 14:17	WG2061566
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 14:17	WG2061566
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 14:17	WG2061566
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 14:17	WG2061566
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 14:17	WG2061566
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 14:17	WG2061566
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 14:17	WG2061566
cis-1,2-Dichloroethene	0.0530	J	0.0276	0.100	1	05/17/2023 14:17	WG2061566
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 14:17	WG2061566
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 14:17	WG2061566
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 14:17	WG2061566
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 14:17	WG2061566
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 14:17	WG2061566
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 14:17	WG2061566
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 14:17	WG2061566
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 14:17	WG2061566
Ethylbenzene	0.208		0.0212	0.100	1	05/17/2023 14:17	WG2061566
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2023 14:17	WG2061566
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 14:17	WG2061566
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 14:17	WG2061566
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 14:17	WG2061566
Methylene Chloride	U		0.265	1.00	1	05/17/2023 14:17	WG2061566
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 14:17	WG2061566
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 14:17	WG2061566
Naphthalene	U		0.124	0.500	1	05/17/2023 14:17	WG2061566
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 14:17	WG2061566
Styrene	U		0.109	0.500	1	05/17/2023 14:17	WG2061566
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 14:17	WG2061566
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 14:17	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 14:17	WG2061566
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 14:17	WG2061566
Toluene	0.436		0.0500	0.200	1	05/17/2023 14:17	WG2061566
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/17/2023 14:17	WG2061566
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 14:17	WG2061566
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 14:17	WG2061566

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 14:17	WG2061566
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 14:17	WG2061566
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 14:17	WG2061566
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 14:17	WG2061566
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 14:17	WG2061566
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 14:17	WG2061566
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 14:17	WG2061566
Vinyl chloride	U		0.0273	0.100	1	05/17/2023 14:17	WG2061566
Xylenes, Total	1.12		0.191	0.260	1	05/17/2023 14:17	WG2061566
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 14:17	WG2061566
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 14:17	WG2061566
Iodomethane	U		0.242	0.500	1	05/17/2023 14:17	WG2061566
Allyl chloride	U		0.580	1.00	1	05/17/2023 14:17	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2023 14:17	WG2061566
(S) Toluene-d8	*109*			*75.0-131*		*05/17/2023 14:17*	WG2061566
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/17/2023 14:17*	WG2061566
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*		*05/17/2023 14:17*	WG2061566

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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
Acetone	U		0.548	1.00	1	05/17/2023 14:36	WG2061566
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 14:36	WG2061566
Benzene	0.0440		0.0160	0.0400	1	05/17/2023 14:36	WG2061566
Bromobenzene	U		0.0420	0.500	1	05/17/2023 14:36	WG2061566
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 14:36	WG2061566
Bromoform	U	UJ C3	0.239	1.00	1	05/17/2023 14:36	WG2061566
Bromomethane	U		0.148	0.500	1	05/17/2023 14:36	WG2061566
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 14:36	WG2061566
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 14:36	WG2061566
tert-Butylbenzene	U	~~J3~~	0.0620	0.200	1	05/17/2023 14:36	WG2061566
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 14:36	WG2061566
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 14:36	WG2061566
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 14:36	WG2061566
Chloroethane	U		0.0432	0.200	1	05/17/2023 14:36	WG2061566
Chloroform	U		0.0166	0.100	1	05/17/2023 14:36	WG2061566
Chloromethane	U		0.0556	0.500	1	05/17/2023 14:36	WG2061566
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 14:36	WG2061566
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 14:36	WG2061566
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/17/2023 14:36	WG2061566
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 14:36	WG2061566
Dibromomethane	U		0.0400	0.200	1	05/17/2023 14:36	WG2061566
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 14:36	WG2061566
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 14:36	WG2061566
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 14:36	WG2061566
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 14:36	WG2061566
1,1-Dichloroethane	0.0460	J	0.0230	0.100	1	05/17/2023 14:36	WG2061566
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 14:36	WG2061566
1,1-Dichloroethene	1.89		0.0200	0.100	1	05/17/2023 14:36	WG2061566
cis-1,2-Dichloroethene	222		0.552	2.00	20	05/20/2023 20:24	WG2063148
trans-1,2-Dichloroethene	0.317		0.0572	0.200	1	05/17/2023 14:36	WG2061566
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 14:36	WG2061566
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 14:36	WG2061566
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 14:36	WG2061566
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 14:36	WG2061566
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 14:36	WG2061566
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 14:36	WG2061566
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 14:36	WG2061566
Ethylbenzene	U		0.0212	0.100	1	05/17/2023 14:36	WG2061566
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2023 14:36	WG2061566
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 14:36	WG2061566
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 14:36	WG2061566
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 14:36	WG2061566
Methylene Chloride	U		0.265	1.00	1	05/17/2023 14:36	WG2061566
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 14:36	WG2061566
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 14:36	WG2061566
Naphthalene	U		0.124	0.500	1	05/17/2023 14:36	WG2061566
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 14:36	WG2061566
Styrene	U		0.109	0.500	1	05/17/2023 14:36	WG2061566
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 14:36	WG2061566
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 14:36	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 14:36	WG2061566
Tetrachloroethene	0.109		0.0280	0.100	1	05/17/2023 14:36	WG2061566
Toluene	U		0.0500	0.200	1	05/17/2023 14:36	WG2061566
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/17/2023 14:36	WG2061566
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 14:36	WG2061566
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 14:36	WG2061566

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 14:36	WG2061566
Trichloroethene	1.33		0.0160	0.0400	1	05/17/2023 14:36	WG2061566
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 14:36	WG2061566
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 14:36	WG2061566
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 14:36	WG2061566
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 14:36	WG2061566
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 14:36	WG2061566
Vinyl chloride	69.6		0.0273	0.100	1	05/17/2023 14:36	WG2061566
Xylenes, Total	U		0.191	0.260	1	05/17/2023 14:36	WG2061566
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 14:36	WG2061566
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 14:36	WG2061566
Iodomethane	U		0.242	0.500	1	05/17/2023 14:36	WG2061566
Allyl chloride	U		0.580	1.00	1	05/17/2023 14:36	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2023 14:36	WG2061566
(S) Toluene-d8	*107*			*75.0-131*		*05/17/2023 14:36*	WG2061566
(S) Toluene-d8	*105*			*75.0-131*		*05/20/2023 20:24*	WG2063148
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/17/2023 14:36*	WG2061566
(S) 4-Bromofluorobenzene	*92.6*			*67.0-138*		*05/20/2023 20:24*	WG2063148
(S) 1,2-Dichloroethane-d4	*96.6*			*70.0-130*		*05/17/2023 14:36*	WG2061566
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*05/20/2023 20:24*	WG2063148

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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		0.548	1.00	1	05/17/2023 14:55	WG2061566
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 14:55	WG2061566
Benzene	0.0510		0.0160	0.0400	1	05/17/2023 14:55	WG2061566
Bromobenzene	U		0.0420	0.500	1	05/17/2023 14:55	WG2061566
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 14:55	WG2061566
Bromoform	U	UJ C3	0.239	1.00	1	05/17/2023 14:55	WG2061566
Bromomethane	U		0.148	0.500	1	05/17/2023 14:55	WG2061566
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 14:55	WG2061566
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 14:55	WG2061566
tert-Butylbenzene	U	~~J3~~	0.0620	0.200	1	05/17/2023 14:55	WG2061566
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 14:55	WG2061566
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 14:55	WG2061566
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 14:55	WG2061566
Chloroethane	U		0.0432	0.200	1	05/17/2023 14:55	WG2061566
Chloroform	U		0.0166	0.100	1	05/17/2023 14:55	WG2061566
Chloromethane	U		0.0556	0.500	1	05/17/2023 14:55	WG2061566
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 14:55	WG2061566
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 14:55	WG2061566
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/17/2023 14:55	WG2061566
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 14:55	WG2061566
Dibromomethane	U		0.0400	0.200	1	05/17/2023 14:55	WG2061566
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 14:55	WG2061566
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 14:55	WG2061566
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 14:55	WG2061566
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 14:55	WG2061566
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 14:55	WG2061566
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 14:55	WG2061566
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 14:55	WG2061566
cis-1,2-Dichloroethene	0.214		0.0276	0.100	1	05/20/2023 17:53	WG2063148
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 14:55	WG2061566
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 14:55	WG2061566
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 14:55	WG2061566
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 14:55	WG2061566
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 14:55	WG2061566
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 14:55	WG2061566
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 14:55	WG2061566
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 14:55	WG2061566
Ethylbenzene	0.0680	J	0.0212	0.100	1	05/17/2023 14:55	WG2061566
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2023 14:55	WG2061566
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 14:55	WG2061566
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 14:55	WG2061566
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 14:55	WG2061566
Methylene Chloride	U		0.265	1.00	1	05/17/2023 14:55	WG2061566
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 14:55	WG2061566
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 14:55	WG2061566
Naphthalene	U		0.124	0.500	1	05/17/2023 14:55	WG2061566
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 14:55	WG2061566
Styrene	U		0.109	0.500	1	05/17/2023 14:55	WG2061566
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 14:55	WG2061566
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 14:55	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 14:55	WG2061566
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 14:55	WG2061566
Toluene	0.328		0.0500	0.200	1	05/17/2023 14:55	WG2061566
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/17/2023 14:55	WG2061566
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 14:55	WG2061566
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 14:55	WG2061566

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 14:55	WG2061566
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 14:55	WG2061566
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 14:55	WG2061566
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 14:55	WG2061566
1,2,4-Trimethylbenzene	0.167	J	0.0464	0.200	1	05/17/2023 14:55	WG2061566
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 14:55	WG2061566
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 14:55	WG2061566
Vinyl chloride	U		0.0273	0.100	1	05/17/2023 14:55	WG2061566
Xylenes, Total	0.491		0.191	0.260	1	05/17/2023 14:55	WG2061566
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 14:55	WG2061566
Tetrahydrofuran	0.270	J	0.0900	0.500	1	05/17/2023 14:55	WG2061566
Iodomethane	U		0.242	0.500	1	05/17/2023 14:55	WG2061566
Allyl chloride	U		0.580	1.00	1	05/17/2023 14:55	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2023 14:55	WG2061566
(S) Toluene-d8	*107*			*75.0-131*		*05/17/2023 14:55*	WG2061566
(S) Toluene-d8	*104*			*75.0-131*		*05/20/2023 17:53*	WG2063148
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/17/2023 14:55*	WG2061566
(S) 4-Bromofluorobenzene	*95.9*			*67.0-138*		*05/20/2023 17:53*	WG2063148
(S) 1,2-Dichloroethane-d4	*91.6*			*70.0-130*		*05/17/2023 14:55*	WG2061566
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*05/20/2023 17:53*	WG2063148

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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
Acetone	U		0.548	1.00	1	05/17/2023 15:14	WG2061566
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 15:14	WG2061566
Benzene	0.0290	J	0.0160	0.0400	1	05/17/2023 15:14	WG2061566
Bromobenzene	U		0.0420	0.500	1	05/17/2023 15:14	WG2061566
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 15:14	WG2061566
Bromoform	U	UJ C3	0.239	1.00	1	05/17/2023 15:14	WG2061566
Bromomethane	U		0.148	0.500	1	05/17/2023 15:14	WG2061566
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 15:14	WG2061566
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 15:14	WG2061566
tert-Butylbenzene	U	~~J3~~	0.0620	0.200	1	05/17/2023 15:14	WG2061566
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 15:14	WG2061566
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 15:14	WG2061566
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 15:14	WG2061566
Chloroethane	U		0.0432	0.200	1	05/17/2023 15:14	WG2061566
Chloroform	U		0.0166	0.100	1	05/17/2023 15:14	WG2061566
Chloromethane	U		0.0556	0.500	1	05/17/2023 15:14	WG2061566
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 15:14	WG2061566
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 15:14	WG2061566
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/17/2023 15:14	WG2061566
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 15:14	WG2061566
Dibromomethane	U		0.0400	0.200	1	05/17/2023 15:14	WG2061566
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 15:14	WG2061566
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 15:14	WG2061566
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 15:14	WG2061566
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 15:14	WG2061566
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 15:14	WG2061566
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 15:14	WG2061566
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 15:14	WG2061566
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/17/2023 15:14	WG2061566
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 15:14	WG2061566
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 15:14	WG2061566
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 15:14	WG2061566
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 15:14	WG2061566
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 15:14	WG2061566
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 15:14	WG2061566
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 15:14	WG2061566
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 15:14	WG2061566
Ethylbenzene	U		0.0212	0.100	1	05/17/2023 15:14	WG2061566
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2023 15:14	WG2061566
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 15:14	WG2061566
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 15:14	WG2061566
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 15:14	WG2061566
Methylene Chloride	U		0.265	1.00	1	05/17/2023 15:14	WG2061566
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 15:14	WG2061566
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 15:14	WG2061566
Naphthalene	U		0.124	0.500	1	05/17/2023 15:14	WG2061566
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 15:14	WG2061566
Styrene	U		0.109	0.500	1	05/17/2023 15:14	WG2061566
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 15:14	WG2061566
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 15:14	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 15:14	WG2061566
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 15:14	WG2061566
Toluene	U		0.0500	0.200	1	05/17/2023 15:14	WG2061566
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/17/2023 15:14	WG2061566
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 15:14	WG2061566
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 15:14	WG2061566

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 15:14	WG2061566
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 15:14	WG2061566
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 15:14	WG2061566
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 15:14	WG2061566
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 15:14	WG2061566
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 15:14	WG2061566
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 15:14	WG2061566
Vinyl chloride	U		0.0273	0.100	1	05/17/2023 15:14	WG2061566
Xylenes, Total	U		0.191	0.260	1	05/17/2023 15:14	WG2061566
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 15:14	WG2061566
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 15:14	WG2061566
Iodomethane	U		0.242	0.500	1	05/17/2023 15:14	WG2061566
Allyl chloride	U		0.580	1.00	1	05/17/2023 15:14	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2023 15:14	WG2061566
(S) Toluene-d8	*107*			*75.0-131*		*05/17/2023 15:14*	WG2061566
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/17/2023 15:14*	WG2061566
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*05/17/2023 15:14*	WG2061566

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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		0.548	1.00	1	05/17/2023 15:33	WG2061566
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 15:33	WG2061566
Benzene	U		0.0160	0.0400	1	05/17/2023 15:33	WG2061566
Bromobenzene	U		0.0420	0.500	1	05/17/2023 15:33	WG2061566
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 15:33	WG2061566
Bromoform	U	UJ C3	0.239	1.00	1	05/17/2023 15:33	WG2061566
Bromomethane	U		0.148	0.500	1	05/17/2023 15:33	WG2061566
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 15:33	WG2061566
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 15:33	WG2061566
tert-Butylbenzene	U	~~J3~~	0.0620	0.200	1	05/17/2023 15:33	WG2061566
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 15:33	WG2061566
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 15:33	WG2061566
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 15:33	WG2061566
Chloroethane	U		0.0432	0.200	1	05/17/2023 15:33	WG2061566
Chloroform	U		0.0166	0.100	1	05/17/2023 15:33	WG2061566
Chloromethane	U		0.0556	0.500	1	05/17/2023 15:33	WG2061566
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 15:33	WG2061566
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 15:33	WG2061566
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/17/2023 15:33	WG2061566
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 15:33	WG2061566
Dibromomethane	U		0.0400	0.200	1	05/17/2023 15:33	WG2061566
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 15:33	WG2061566
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 15:33	WG2061566
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 15:33	WG2061566
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 15:33	WG2061566
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 15:33	WG2061566
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 15:33	WG2061566
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 15:33	WG2061566
cis-1,2-Dichloroethene	7.47		0.0276	0.100	1	05/17/2023 15:33	WG2061566
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 15:33	WG2061566
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 15:33	WG2061566
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 15:33	WG2061566
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 15:33	WG2061566
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 15:33	WG2061566
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 15:33	WG2061566
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 15:33	WG2061566
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 15:33	WG2061566
Ethylbenzene	U		0.0212	0.100	1	05/17/2023 15:33	WG2061566
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/17/2023 15:33	WG2061566
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 15:33	WG2061566
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 15:33	WG2061566
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 15:33	WG2061566
Methylene Chloride	U		0.265	1.00	1	05/17/2023 15:33	WG2061566
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 15:33	WG2061566
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 15:33	WG2061566
Naphthalene	U		0.124	0.500	1	05/17/2023 15:33	WG2061566
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 15:33	WG2061566
Styrene	U		0.109	0.500	1	05/17/2023 15:33	WG2061566
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 15:33	WG2061566
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 15:33	WG2061566
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 15:33	WG2061566
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 15:33	WG2061566
Toluene	0.170	U ~~J~~	0.0500	0.200	1	05/17/2023 15:33	WG2061566
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/17/2023 15:33	WG2061566
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 15:33	WG2061566
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 15:33	WG2061566

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 15:33	WG2061566
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 15:33	WG2061566
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 15:33	WG2061566
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 15:33	WG2061566
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 15:33	WG2061566
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 15:33	WG2061566
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 15:33	WG2061566
Vinyl chloride	0.323		0.0273	0.100	1	05/17/2023 15:33	WG2061566
Xylenes, Total	U		0.191	0.260	1	05/17/2023 15:33	WG2061566
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 15:33	WG2061566
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 15:33	WG2061566
Iodomethane	U		0.242	0.500	1	05/17/2023 15:33	WG2061566
Allyl chloride	U		0.580	1.00	1	05/17/2023 15:33	WG2061566
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/17/2023 15:33	WG2061566
(S) Toluene-d8	*106*			*75.0-131*		*05/17/2023 15:33*	WG2061566
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/17/2023 15:33*	WG2061566
(S) 1,2-Dichloroethane-d4	*92.4*			*70.0-130*		*05/17/2023 15:33*	WG2061566

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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		0.548	1.00	1	05/17/2023 22:24	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 22:24	WG2061937
Benzene	U		0.0160	0.0400	1	05/17/2023 22:24	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/17/2023 22:24	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 22:24	WG2061937
Bromoform	U		0.239	1.00	1	05/17/2023 22:24	WG2061937
Bromomethane	U		0.148	0.500	1	05/17/2023 22:24	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 22:24	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 22:24	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2023 22:24	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 22:24	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 22:24	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 22:24	WG2061937
Chloroethane	U		0.0432	0.200	1	05/17/2023 22:24	WG2061937
Chloroform	U		0.0166	0.100	1	05/17/2023 22:24	WG2061937
Chloromethane	U		0.0556	0.500	1	05/17/2023 22:24	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 22:24	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 22:24	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2023 22:24	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 22:24	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/17/2023 22:24	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 22:24	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 22:24	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 22:24	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 22:24	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 22:24	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 22:24	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 22:24	WG2061937
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/17/2023 22:24	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 22:24	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 22:24	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 22:24	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 22:24	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 22:24	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 22:24	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 22:24	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 22:24	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/17/2023 22:24	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/17/2023 22:24	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 22:24	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 22:24	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 22:24	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/17/2023 22:24	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 22:24	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 22:24	WG2061937
Naphthalene	U	UJ C3	0.124	0.500	1	05/17/2023 22:24	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 22:24	WG2061937
Styrene	U		0.109	0.500	1	05/17/2023 22:24	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 22:24	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 22:24	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 22:24	WG2061937
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 22:24	WG2061937
Toluene	0.212		0.0500	0.200	1	05/17/2023 22:24	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/17/2023 22:24	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 22:24	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 22:24	WG2061937

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 22:24	WG2061937
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 22:24	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 22:24	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 22:24	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 22:24	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 22:24	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 22:24	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/17/2023 22:24	WG2061937
Xylenes, Total	U		0.191	0.260	1	05/17/2023 22:24	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 22:24	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 22:24	WG2061937
Iodomethane	U		0.242	0.500	1	05/17/2023 22:24	WG2061937
Allyl chloride	U		0.580	1.00	1	05/17/2023 22:24	WG2061937
Trans-1,4-Dichloro-2-butene	U UJ	C3	0.0560	0.200	1	05/17/2023 22:24	WG2061937
(S) Toluene-d8	*101*			*75.0-131*		*05/17/2023 22:24*	WG2061937
(S) 4-Bromofluorobenzene	*84.7*			*67.0-138*		*05/17/2023 22:24*	WG2061937
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/17/2023 22:24*	WG2061937

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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		0.548	1.00	1	05/17/2023 22:44	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 22:44	WG2061937
Benzene	U		0.0160	0.0400	1	05/17/2023 22:44	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/17/2023 22:44	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 22:44	WG2061937
Bromoform	U		0.239	1.00	1	05/17/2023 22:44	WG2061937
Bromomethane	U		0.148	0.500	1	05/17/2023 22:44	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 22:44	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 22:44	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2023 22:44	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 22:44	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 22:44	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 22:44	WG2061937
Chloroethane	U		0.0432	0.200	1	05/17/2023 22:44	WG2061937
Chloroform	U		0.0166	0.100	1	05/17/2023 22:44	WG2061937
Chloromethane	U		0.0556	0.500	1	05/17/2023 22:44	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 22:44	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 22:44	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2023 22:44	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 22:44	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/17/2023 22:44	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 22:44	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 22:44	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 22:44	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 22:44	WG2061937
1,1-Dichloroethane	0.807		0.0230	0.100	1	05/17/2023 22:44	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 22:44	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 22:44	WG2061937
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/17/2023 22:44	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 22:44	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 22:44	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 22:44	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 22:44	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 22:44	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 22:44	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 22:44	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 22:44	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/17/2023 22:44	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/17/2023 22:44	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 22:44	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 22:44	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 22:44	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/17/2023 22:44	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 22:44	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 22:44	WG2061937
Naphthalene	U	UJ C3	0.124	0.500	1	05/17/2023 22:44	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 22:44	WG2061937
Styrene	U		0.109	0.500	1	05/17/2023 22:44	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 22:44	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 22:44	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 22:44	WG2061937
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 22:44	WG2061937
Toluene	U		0.0500	0.200	1	05/17/2023 22:44	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/17/2023 22:44	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 22:44	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 22:44	WG2061937

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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	05/17/2023 22:44	WG2061937
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 22:44	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 22:44	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 22:44	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 22:44	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 22:44	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 22:44	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/17/2023 22:44	WG2061937
Xylenes, Total	U		0.191	0.260	1	05/17/2023 22:44	WG2061937
Ethyl Ether	0.0410	U J	0.0170	0.100	1	05/17/2023 22:44	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 22:44	WG2061937
Iodomethane	U		0.242	0.500	1	05/17/2023 22:44	WG2061937
Allyl chloride	U		0.580	1.00	1	05/17/2023 22:44	WG2061937
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/17/2023 22:44	WG2061937
(S) Toluene-d8	*108*			*75.0-131*		*05/17/2023 22:44*	WG2061937
(S) 4-Bromofluorobenzene	*78.9*			*67.0-138*		*05/17/2023 22:44*	WG2061937
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/17/2023 22:44*	WG2061937

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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		0.548	1.00	1	05/17/2023 23:03	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 23:03	WG2061937
Benzene	0.0200	J	0.0160	0.0400	1	05/17/2023 23:03	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/17/2023 23:03	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 23:03	WG2061937
Bromoform	U		0.239	1.00	1	05/17/2023 23:03	WG2061937
Bromomethane	U		0.148	0.500	1	05/17/2023 23:03	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 23:03	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 23:03	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2023 23:03	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 23:03	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 23:03	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 23:03	WG2061937
Chloroethane	U		0.0432	0.200	1	05/17/2023 23:03	WG2061937
Chloroform	U		0.0166	0.100	1	05/17/2023 23:03	WG2061937
Chloromethane	U		0.0556	0.500	1	05/17/2023 23:03	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 23:03	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 23:03	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2023 23:03	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 23:03	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/17/2023 23:03	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 23:03	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 23:03	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 23:03	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 23:03	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 23:03	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 23:03	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 23:03	WG2061937
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/17/2023 23:03	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 23:03	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 23:03	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 23:03	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 23:03	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 23:03	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 23:03	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 23:03	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 23:03	WG2061937
Ethylbenzene	0.0830	J	0.0212	0.100	1	05/17/2023 23:03	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/17/2023 23:03	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 23:03	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 23:03	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 23:03	WG2061937
Methylene Chloride	0.268	J	0.265	1.00	1	05/17/2023 23:03	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 23:03	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 23:03	WG2061937
Naphthalene	U	UJ C3	0.124	0.500	1	05/17/2023 23:03	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 23:03	WG2061937
Styrene	U		0.109	0.500	1	05/17/2023 23:03	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 23:03	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 23:03	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 23:03	WG2061937
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 23:03	WG2061937
Toluene	0.536		0.0500	0.200	1	05/17/2023 23:03	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/17/2023 23:03	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 23:03	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 23:03	WG2061937

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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	
1,1,2-Trichloroethane	U			0.0353	0.100	1	05/17/2023 23:03	WG2061937
Trichloroethene	U			0.0160	0.0400	1	05/17/2023 23:03	WG2061937
Trichlorofluoromethane	U			0.0200	0.100	1	05/17/2023 23:03	WG2061937
1,2,3-Trichloropropane	U			0.204	0.500	1	05/17/2023 23:03	WG2061937
1,2,4-Trimethylbenzene	0.0920		J	0.0464	0.200	1	05/17/2023 23:03	WG2061937
1,2,3-Trimethylbenzene	U			0.0460	0.200	1	05/17/2023 23:03	WG2061937
1,3,5-Trimethylbenzene	0.141		J	0.0432	0.200	1	05/17/2023 23:03	WG2061937
Vinyl chloride	U			0.0273	0.100	1	05/17/2023 23:03	WG2061937
Xylenes, Total	0.587			0.191	0.260	1	05/17/2023 23:03	WG2061937
Ethyl Ether	U			0.0170	0.100	1	05/17/2023 23:03	WG2061937
Tetrahydrofuran	U			0.0900	0.500	1	05/17/2023 23:03	WG2061937
Iodomethane	U			0.242	0.500	1	05/17/2023 23:03	WG2061937
Allyl chloride	U			0.580	1.00	1	05/17/2023 23:03	WG2061937
Trans-1,4-Dichloro-2-butene	U	UJ	C3	0.0560	0.200	1	05/17/2023 23:03	WG2061937
(S) Toluene-d8	*103*				*75.0-131*		*05/17/2023 23:03*	WG2061937
(S) 4-Bromofluorobenzene	*82.6*				*67.0-138*		*05/17/2023 23:03*	WG2061937
(S) 1,2-Dichloroethane-d4	*109*				*70.0-130*		*05/17/2023 23:03*	WG2061937

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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		0.548	1.00	1	05/17/2023 23:23	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 23:23	WG2061937
Benzene	0.0250	J	0.0160	0.0400	1	05/17/2023 23:23	WG2061937
Bromobenzene	U	~~J4~~	0.0420	0.500	1	05/17/2023 23:23	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 23:23	WG2061937
Bromoform	U		0.239	1.00	1	05/17/2023 23:23	WG2061937
Bromomethane	U		0.148	0.500	1	05/17/2023 23:23	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 23:23	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 23:23	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2023 23:23	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 23:23	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 23:23	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 23:23	WG2061937
Chloroethane	U		0.0432	0.200	1	05/17/2023 23:23	WG2061937
Chloroform	U		0.0166	0.100	1	05/17/2023 23:23	WG2061937
Chloromethane	U		0.0556	0.500	1	05/17/2023 23:23	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 23:23	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 23:23	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2023 23:23	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 23:23	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/17/2023 23:23	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 23:23	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 23:23	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 23:23	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 23:23	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 23:23	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 23:23	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/17/2023 23:23	WG2061937
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/17/2023 23:23	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/17/2023 23:23	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 23:23	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 23:23	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 23:23	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 23:23	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 23:23	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 23:23	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 23:23	WG2061937
Ethylbenzene	0.288		0.0212	0.100	1	05/17/2023 23:23	WG2061937
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/17/2023 23:23	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 23:23	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 23:23	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 23:23	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/17/2023 23:23	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 23:23	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 23:23	WG2061937
Naphthalene	U	UJ C3	0.124	0.500	1	05/17/2023 23:23	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 23:23	WG2061937
Styrene	U		0.109	0.500	1	05/17/2023 23:23	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 23:23	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 23:23	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 23:23	WG2061937
Tetrachloroethene	U		0.0280	0.100	1	05/17/2023 23:23	WG2061937
Toluene	1.03		0.0500	0.200	1	05/17/2023 23:23	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/17/2023 23:23	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 23:23	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 23:23	WG2061937

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/17/2023 23:23	WG2061937
Trichloroethene	U		0.0160	0.0400	1	05/17/2023 23:23	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 23:23	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 23:23	WG2061937
1,2,4-Trimethylbenzene	0.0740	J	0.0464	0.200	1	05/17/2023 23:23	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 23:23	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 23:23	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/17/2023 23:23	WG2061937
Xylenes, Total	1.68		0.191	0.260	1	05/17/2023 23:23	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 23:23	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 23:23	WG2061937
Iodomethane	U		0.242	0.500	1	05/17/2023 23:23	WG2061937
Allyl chloride	U		0.580	1.00	1	05/17/2023 23:23	WG2061937
Trans-1,4-Dichloro-2-butene	U UJ	C3	0.0560	0.200	1	05/17/2023 23:23	WG2061937
(S) Toluene-d8	*103*			*75.0-131*		*05/17/2023 23:23*	WG2061937
(S) 4-Bromofluorobenzene	*78.3*			*67.0-138*		*05/17/2023 23:23*	WG2061937
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/17/2023 23:23*	WG2061937

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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		0.548	1.00	1	05/17/2023 23:42	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/17/2023 23:42	WG2061937
Benzene	0.0890		0.0160	0.0400	1	05/17/2023 23:42	WG2061937
Bromobenzene	U	~~J4~~	0.0420	0.500	1	05/17/2023 23:42	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/17/2023 23:42	WG2061937
Bromoform	U		0.239	1.00	1	05/17/2023 23:42	WG2061937
Bromomethane	U		0.148	0.500	1	05/17/2023 23:42	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/17/2023 23:42	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/17/2023 23:42	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/17/2023 23:42	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/17/2023 23:42	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/17/2023 23:42	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/17/2023 23:42	WG2061937
Chloroethane	U		0.0432	0.200	1	05/17/2023 23:42	WG2061937
Chloroform	U		0.0166	0.100	1	05/17/2023 23:42	WG2061937
Chloromethane	U		0.0556	0.500	1	05/17/2023 23:42	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/17/2023 23:42	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/17/2023 23:42	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/17/2023 23:42	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/17/2023 23:42	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/17/2023 23:42	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/17/2023 23:42	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/17/2023 23:42	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/17/2023 23:42	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/17/2023 23:42	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/17/2023 23:42	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/17/2023 23:42	WG2061937
1,1-Dichloroethene	0.184		0.0200	0.100	1	05/17/2023 23:42	WG2061937
cis-1,2-Dichloroethene	23.1		0.0276	0.100	1	05/17/2023 23:42	WG2061937
trans-1,2-Dichloroethene	0.244		0.0572	0.200	1	05/17/2023 23:42	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/17/2023 23:42	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/17/2023 23:42	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/17/2023 23:42	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/17/2023 23:42	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/17/2023 23:42	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/17/2023 23:42	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/17/2023 23:42	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/17/2023 23:42	WG2061937
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/17/2023 23:42	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/17/2023 23:42	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/17/2023 23:42	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/17/2023 23:42	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/17/2023 23:42	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/17/2023 23:42	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/17/2023 23:42	WG2061937
Naphthalene	U	UJ C3	0.124	0.500	1	05/17/2023 23:42	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/17/2023 23:42	WG2061937
Styrene	U		0.109	0.500	1	05/17/2023 23:42	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/17/2023 23:42	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/17/2023 23:42	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/17/2023 23:42	WG2061937
Tetrachloroethene	71.9		0.280	1.00	10	05/20/2023 01:03	WG2063363
Toluene	U		0.0500	0.200	1	05/17/2023 23:42	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/17/2023 23:42	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/17/2023 23:42	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/17/2023 23:42	WG2061937

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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	05/17/2023 23:42	WG2061937
Trichloroethene	46.0		0.0160	0.0400	1	05/17/2023 23:42	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/17/2023 23:42	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/17/2023 23:42	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/17/2023 23:42	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/17/2023 23:42	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/17/2023 23:42	WG2061937
Vinyl chloride	0.184		0.0273	0.100	1	05/17/2023 23:42	WG2061937
Xylenes, Total	U		0.191	0.260	1	05/17/2023 23:42	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/17/2023 23:42	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/17/2023 23:42	WG2061937
Iodomethane	U		0.242	0.500	1	05/17/2023 23:42	WG2061937
Allyl chloride	U		0.580	1.00	1	05/17/2023 23:42	WG2061937
Trans-1,4-Dichloro-2-butene	U UJ	C3	0.0560	0.200	1	05/17/2023 23:42	WG2061937
(S) Toluene-d8	*107*			*75.0-131*		*05/17/2023 23:42*	WG2061937
(S) Toluene-d8	*107*			*75.0-131*		*05/20/2023 01:03*	WG2063363
(S) 4-Bromofluorobenzene	*73.1*			*67.0-138*		*05/17/2023 23:42*	WG2061937
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*05/20/2023 01:03*	WG2063363
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/17/2023 23:42*	WG2061937
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*05/20/2023 01:03*	WG2063363

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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		0.548	1.00	1	05/18/2023 00:01	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 00:01	WG2061937
Benzene	U		0.0160	0.0400	1	05/18/2023 00:01	WG2061937
Bromobenzene	U		0.0420	0.500	1	05/20/2023 00:44	WG2063363
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 00:01	WG2061937
Bromoform	U		0.239	1.00	1	05/18/2023 00:01	WG2061937
Bromomethane	U		0.148	0.500	1	05/18/2023 00:01	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/20/2023 00:44	WG2063363
sec-Butylbenzene	U		0.101	0.500	1	05/20/2023 00:44	WG2063363
tert-Butylbenzene	U		0.0620	0.200	1	05/20/2023 00:44	WG2063363
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 00:01	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 00:01	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 00:01	WG2061937
Chloroethane	U		0.0432	0.200	1	05/18/2023 00:01	WG2061937
Chloroform	U		0.0166	0.100	1	05/18/2023 00:01	WG2061937
Chloromethane	U		0.0556	0.500	1	05/18/2023 00:01	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/20/2023 00:44	WG2063363
4-Chlorotoluene	U		0.0452	0.200	1	05/20/2023 00:44	WG2063363
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/20/2023 00:44	WG2063363
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 00:01	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/18/2023 00:01	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/20/2023 00:44	WG2063363
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/20/2023 00:44	WG2063363
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/20/2023 00:44	WG2063363
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 00:01	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 00:01	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 00:01	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 00:01	WG2061937
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/18/2023 00:01	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 00:01	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 00:01	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 00:01	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 00:01	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 00:01	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 00:01	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 00:01	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 00:01	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 00:01	WG2061937
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/20/2023 00:44	WG2063363
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 00:01	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/20/2023 00:44	WG2063363
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 00:01	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/18/2023 00:01	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 00:01	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 00:01	WG2061937
Naphthalene	U		0.124	0.500	1	05/20/2023 00:44	WG2063363
n-Propylbenzene	U		0.0472	0.200	1	05/20/2023 00:44	WG2063363
Styrene	U		0.109	0.500	1	05/18/2023 00:01	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 00:01	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/20/2023 00:44	WG2063363
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 00:01	WG2061937
Tetrachloroethene	U		0.0280	0.100	1	05/20/2023 00:44	WG2063363
Toluene	U		0.0500	0.200	1	05/18/2023 00:01	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/20/2023 00:44	WG2063363
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/20/2023 00:44	WG2063363
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 00:01	WG2061937

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 00:01	WG2061937
Trichloroethene	0.0260	J	0.0160	0.0400	1	05/18/2023 00:01	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 00:01	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/20/2023 00:44	WG2063363
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/20/2023 00:44	WG2063363
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/20/2023 00:44	WG2063363
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/20/2023 00:44	WG2063363
Vinyl chloride	0.641		0.0273	0.100	1	05/18/2023 00:01	WG2061937
Xylenes, Total	0.200	J	0.191	0.260	1	05/20/2023 00:44	WG2063363
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 00:01	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/18/2023 00:01	WG2061937
Iodomethane	U		0.242	0.500	1	05/18/2023 00:01	WG2061937
Allyl chloride	U		0.580	1.00	1	05/18/2023 00:01	WG2061937
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/20/2023 00:44	WG2063363
(S) Toluene-d8	*106*			*75.0-131*		*05/18/2023 00:01*	WG2061937
(S) Toluene-d8	*106*			*75.0-131*		*05/20/2023 00:44*	WG2063363
(S) 4-Bromofluorobenzene	*84.7*			*67.0-138*		*05/18/2023 00:01*	WG2061937
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*05/20/2023 00:44*	WG2063363
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/18/2023 00:01*	WG2061937
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*05/20/2023 00:44*	WG2063363

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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		0.548	1.00	1	05/18/2023 00:21	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 00:21	WG2061937
Benzene	U		0.0160	0.0400	1	05/18/2023 00:21	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/18/2023 00:21	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 00:21	WG2061937
Bromoform	U		0.239	1.00	1	05/18/2023 00:21	WG2061937
Bromomethane	U		0.148	0.500	1	05/18/2023 00:21	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 00:21	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 00:21	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 00:21	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 00:21	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 00:21	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 00:21	WG2061937
Chloroethane	U		0.0432	0.200	1	05/18/2023 00:21	WG2061937
Chloroform	U		0.0166	0.100	1	05/18/2023 00:21	WG2061937
Chloromethane	U		0.0556	0.500	1	05/18/2023 00:21	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/18/2023 00:21	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/18/2023 00:21	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/18/2023 00:21	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 00:21	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/18/2023 00:21	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 00:21	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 00:21	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 00:21	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 00:21	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 00:21	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 00:21	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 00:21	WG2061937
cis-1,2-Dichloroethene	9.07		0.0276	0.100	1	05/18/2023 00:21	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 00:21	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 00:21	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 00:21	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 00:21	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 00:21	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 00:21	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 00:21	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 00:21	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 00:21	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/18/2023 00:21	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 00:21	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 00:21	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 00:21	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/18/2023 00:21	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 00:21	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 00:21	WG2061937
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 00:21	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/18/2023 00:21	WG2061937
Styrene	U		0.109	0.500	1	05/18/2023 00:21	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 00:21	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 00:21	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 00:21	WG2061937
Tetrachloroethene	21.1	J+ C5	0.0280	0.100	1	05/18/2023 00:21	WG2061937
Toluene	U		0.0500	0.200	1	05/18/2023 00:21	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 00:21	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 00:21	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 00:21	WG2061937

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 00:21	WG2061937
Trichloroethene	4.58		0.0160	0.0400	1	05/18/2023 00:21	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 00:21	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 00:21	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/18/2023 00:21	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/18/2023 00:21	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/18/2023 00:21	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 00:21	WG2061937
Xylenes, Total	U		0.191	0.260	1	05/18/2023 00:21	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 00:21	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/18/2023 00:21	WG2061937
Iodomethane	U		0.242	0.500	1	05/18/2023 00:21	WG2061937
Allyl chloride	U		0.580	1.00	1	05/18/2023 00:21	WG2061937
Trans-1,4-Dichloro-2-butene	U UJ	C3	0.0560	0.200	1	05/18/2023 00:21	WG2061937
(S) Toluene-d8	*108*			*75.0-131*		*05/18/2023 00:21*	WG2061937
(S) 4-Bromofluorobenzene	*81.6*			*67.0-138*		*05/18/2023 00:21*	WG2061937
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/18/2023 00:21*	WG2061937

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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
Acetone	U		0.548	1.00	1	05/18/2023 00:40	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 00:40	WG2061937
Benzene	U		0.0160	0.0400	1	05/18/2023 00:40	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/18/2023 00:40	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 00:40	WG2061937
Bromoform	U		0.239	1.00	1	05/18/2023 00:40	WG2061937
Bromomethane	U		0.148	0.500	1	05/18/2023 00:40	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 00:40	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 00:40	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 00:40	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 00:40	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 00:40	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 00:40	WG2061937
Chloroethane	U		0.0432	0.200	1	05/18/2023 00:40	WG2061937
Chloroform	U		0.0166	0.100	1	05/18/2023 00:40	WG2061937
Chloromethane	U		0.0556	0.500	1	05/18/2023 00:40	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/18/2023 00:40	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/18/2023 00:40	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/18/2023 00:40	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 00:40	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/18/2023 00:40	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 00:40	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 00:40	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 00:40	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 00:40	WG2061937
1,1-Dichloroethane	0.0260	J	0.0230	0.100	1	05/18/2023 00:40	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 00:40	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 00:40	WG2061937
cis-1,2-Dichloroethene	1.13		0.0276	0.100	1	05/18/2023 00:40	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 00:40	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 00:40	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 00:40	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 00:40	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 00:40	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 00:40	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 00:40	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 00:40	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 00:40	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/18/2023 00:40	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 00:40	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 00:40	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 00:40	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/18/2023 00:40	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 00:40	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 00:40	WG2061937
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 00:40	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/18/2023 00:40	WG2061937
Styrene	U		0.109	0.500	1	05/18/2023 00:40	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 00:40	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 00:40	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 00:40	WG2061937
Tetrachloroethene	0.111	J+ C5	0.0280	0.100	1	05/18/2023 00:40	WG2061937
Toluene	U		0.0500	0.200	1	05/18/2023 00:40	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 00:40	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 00:40	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 00:40	WG2061937

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 00:40	WG2061937
Trichloroethene	U		0.0160	0.0400	1	05/18/2023 00:40	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 00:40	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 00:40	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/18/2023 00:40	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/18/2023 00:40	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/18/2023 00:40	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 00:40	WG2061937
Xylenes, Total	U		0.191	0.260	1	05/18/2023 00:40	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 00:40	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/18/2023 00:40	WG2061937
Iodomethane	U		0.242	0.500	1	05/18/2023 00:40	WG2061937
Allyl chloride	U		0.580	1.00	1	05/18/2023 00:40	WG2061937
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 00:40	WG2061937
(S) Toluene-d8	*102*			*75.0-131*		*05/18/2023 00:40*	WG2061937
(S) 4-Bromofluorobenzene	*77.6*			*67.0-138*		*05/18/2023 00:40*	WG2061937
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/18/2023 00:40*	WG2061937

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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		0.548	1.00	1	05/18/2023 00:59	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 00:59	WG2061937
Benzene	U		0.0160	0.0400	1	05/18/2023 00:59	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/18/2023 00:59	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 00:59	WG2061937
Bromoform	U		0.239	1.00	1	05/18/2023 00:59	WG2061937
Bromomethane	U		0.148	0.500	1	05/18/2023 00:59	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 00:59	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 00:59	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 00:59	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 00:59	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 00:59	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 00:59	WG2061937
Chloroethane	U		0.0432	0.200	1	05/18/2023 00:59	WG2061937
Chloroform	U		0.0166	0.100	1	05/18/2023 00:59	WG2061937
Chloromethane	U		0.0556	0.500	1	05/18/2023 00:59	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/18/2023 00:59	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/18/2023 00:59	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/18/2023 00:59	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 00:59	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/18/2023 00:59	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 00:59	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 00:59	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 00:59	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 00:59	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 00:59	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 00:59	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 00:59	WG2061937
cis-1,2-Dichloroethene	6.21		0.0276	0.100	1	05/18/2023 00:59	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 00:59	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 00:59	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 00:59	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 00:59	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 00:59	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 00:59	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 00:59	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 00:59	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 00:59	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/18/2023 00:59	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 00:59	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 00:59	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 00:59	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/18/2023 00:59	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 00:59	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 00:59	WG2061937
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 00:59	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/18/2023 00:59	WG2061937
Styrene	U		0.109	0.500	1	05/18/2023 00:59	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 00:59	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 00:59	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 00:59	WG2061937
Tetrachloroethene	0.175	J+ C5	0.0280	0.100	1	05/18/2023 00:59	WG2061937
Toluene	U		0.0500	0.200	1	05/18/2023 00:59	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 00:59	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 00:59	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 00:59	WG2061937

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 00:59	WG2061937
Trichloroethene	1.39		0.0160	0.0400	1	05/18/2023 00:59	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 00:59	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 00:59	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/18/2023 00:59	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/18/2023 00:59	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/18/2023 00:59	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 00:59	WG2061937
Xylenes, Total	U		0.191	0.260	1	05/18/2023 00:59	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 00:59	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/18/2023 00:59	WG2061937
Iodomethane	U		0.242	0.500	1	05/18/2023 00:59	WG2061937
Allyl chloride	U		0.580	1.00	1	05/18/2023 00:59	WG2061937
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 00:59	WG2061937
(S) Toluene-d8	*108*			*75.0-131*		*05/18/2023 00:59*	WG2061937
(S) 4-Bromofluorobenzene	*77.8*			*67.0-138*		*05/18/2023 00:59*	WG2061937
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/18/2023 00:59*	WG2061937

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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		0.548	1.00	1	05/18/2023 01:19	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 01:19	WG2061937
Benzene	U		0.0160	0.0400	1	05/18/2023 01:19	WG2061937
Bromobenzene	U	~~J4~~	0.0420	0.500	1	05/18/2023 01:19	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 01:19	WG2061937
Bromoform	U		0.239	1.00	1	05/18/2023 01:19	WG2061937
Bromomethane	U		0.148	0.500	1	05/18/2023 01:19	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 01:19	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 01:19	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 01:19	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 01:19	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 01:19	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 01:19	WG2061937
Chloroethane	U		0.0432	0.200	1	05/18/2023 01:19	WG2061937
Chloroform	U		0.0166	0.100	1	05/18/2023 01:19	WG2061937
Chloromethane	U		0.0556	0.500	1	05/18/2023 01:19	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/18/2023 01:19	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/18/2023 01:19	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/18/2023 01:19	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 01:19	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/18/2023 01:19	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 01:19	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 01:19	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 01:19	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 01:19	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 01:19	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 01:19	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 01:19	WG2061937
cis-1,2-Dichloroethene	6.47		0.0276	0.100	1	05/18/2023 01:19	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 01:19	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 01:19	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 01:19	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 01:19	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 01:19	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 01:19	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 01:19	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 01:19	WG2061937
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 01:19	WG2061937
Hexachloro-1,3-butadiene	U	~~J4~~	0.508	1.00	1	05/18/2023 01:19	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 01:19	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 01:19	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 01:19	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/18/2023 01:19	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 01:19	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 01:19	WG2061937
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 01:19	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/18/2023 01:19	WG2061937
Styrene	U		0.109	0.500	1	05/18/2023 01:19	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 01:19	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 01:19	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 01:19	WG2061937
Tetrachloroethene	0.0890	J	0.0280	0.100	1	05/18/2023 01:19	WG2061937
Toluene	U		0.0500	0.200	1	05/18/2023 01:19	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 01:19	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 01:19	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 01:19	WG2061937

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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	05/18/2023 01:19	WG2061937
Trichloroethene	1.35		0.0160	0.0400	1	05/18/2023 01:19	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 01:19	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 01:19	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/18/2023 01:19	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/18/2023 01:19	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/18/2023 01:19	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 01:19	WG2061937
Xylenes, Total	U		0.191	0.260	1	05/18/2023 01:19	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 01:19	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/18/2023 01:19	WG2061937
Iodomethane	U		0.242	0.500	1	05/18/2023 01:19	WG2061937
Allyl chloride	U		0.580	1.00	1	05/18/2023 01:19	WG2061937
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 01:19	WG2061937
(S) Toluene-d8	*106*			*75.0-131*		*05/18/2023 01:19*	WG2061937
(S) 4-Bromofluorobenzene	*76.4*			*67.0-138*		*05/18/2023 01:19*	WG2061937
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/18/2023 01:19*	WG2061937

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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		0.548	1.00	1	05/18/2023 08:02	WG2061937
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 08:02	WG2061937
Benzene	U		0.0160	0.0400	1	05/18/2023 08:02	WG2061937
Bromobenzene	U	J4	0.0420	0.500	1	05/18/2023 08:02	WG2061937
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 08:02	WG2061937
Bromoform	U		0.239	1.00	1	05/18/2023 08:02	WG2061937
Bromomethane	U		0.148	0.500	1	05/18/2023 08:02	WG2061937
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 08:02	WG2061937
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 08:02	WG2061937
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 08:02	WG2061937
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 08:02	WG2061937
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 08:02	WG2061937
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 08:02	WG2061937
Chloroethane	U		0.0432	0.200	1	05/18/2023 08:02	WG2061937
Chloroform	U		0.0166	0.100	1	05/18/2023 08:02	WG2061937
Chloromethane	U		0.0556	0.500	1	05/18/2023 08:02	WG2061937
2-Chlorotoluene	U		0.0368	0.100	1	05/18/2023 08:02	WG2061937
4-Chlorotoluene	U		0.0452	0.200	1	05/18/2023 08:02	WG2061937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/18/2023 08:02	WG2061937
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 08:02	WG2061937
Dibromomethane	U		0.0400	0.200	1	05/18/2023 08:02	WG2061937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 08:02	WG2061937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 08:02	WG2061937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 08:02	WG2061937
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 08:02	WG2061937
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 08:02	WG2061937
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 08:02	WG2061937
1,1-Dichloroethene	U		0.0200	0.100	1	05/18/2023 08:02	WG2061937
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/18/2023 08:02	WG2061937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/18/2023 08:02	WG2061937
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 08:02	WG2061937
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 08:02	WG2061937
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 08:02	WG2061937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 08:02	WG2061937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 08:02	WG2061937
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 08:02	WG2061937
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 08:02	WG2061937
Ethylbenzene	0.0920	J	0.0212	0.100	1	05/18/2023 08:02	WG2061937
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/18/2023 08:02	WG2061937
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 08:02	WG2061937
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 08:02	WG2061937
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 08:02	WG2061937
Methylene Chloride	U		0.265	1.00	1	05/18/2023 08:02	WG2061937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 08:02	WG2061937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 08:02	WG2061937
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 08:02	WG2061937
n-Propylbenzene	U		0.0472	0.200	1	05/18/2023 08:02	WG2061937
Styrene	U		0.109	0.500	1	05/18/2023 08:02	WG2061937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 08:02	WG2061937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 08:02	WG2061937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 08:02	WG2061937
Tetrachloroethene	U		0.0280	0.100	1	05/18/2023 08:02	WG2061937
Toluene	0.519		0.0500	0.200	1	05/18/2023 08:02	WG2061937
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 08:02	WG2061937
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 08:02	WG2061937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 08:02	WG2061937

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 08:02	WG2061937
Trichloroethene	U		0.0160	0.0400	1	05/18/2023 08:02	WG2061937
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 08:02	WG2061937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 08:02	WG2061937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/18/2023 08:02	WG2061937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/18/2023 08:02	WG2061937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/18/2023 08:02	WG2061937
Vinyl chloride	U		0.0273	0.100	1	05/18/2023 08:02	WG2061937
Xylenes, Total	0.553		0.191	0.260	1	05/18/2023 08:02	WG2061937
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 08:02	WG2061937
Tetrahydrofuran	U		0.0900	0.500	1	05/18/2023 08:02	WG2061937
Iodomethane	U		0.242	0.500	1	05/18/2023 08:02	WG2061937
Allyl chloride	U		0.580	1.00	1	05/18/2023 08:02	WG2061937
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 08:02	WG2061937
(S) Toluene-d8	*96.1*			*75.0-131*		*05/18/2023 08:02*	WG2061937
(S) 4-Bromofluorobenzene	*85.0*			*67.0-138*		*05/18/2023 08:02*	WG2061937
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/18/2023 08:02*	WG2061937

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	U		594	5000	1	05/19/2023 06:42	WG2062770

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	20500		102	1000	1	05/16/2023 16:47	WG2059986

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	6700		28.1	100	1	05/17/2023 22:34	WG2060138
Manganese	3020		0.704	5.00	1	05/20/2023 10:19	WG2062564

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	14300		2.87	6.78	10	05/18/2023 17:12	WG2062632
Ethane	19.5		0.296	1.29	1	05/18/2023 16:04	WG2061512
Ethene	137		0.422	1.27	1	05/18/2023 16:04	WG2061512

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	J	0.548	1.00	1	05/18/2023 12:17	WG2062291
Acrylonitrile	U	UJ	0.0760	0.500	1	05/18/2023 12:17	WG2062291
Benzene	0.0640	J	0.0160	0.0400	1	05/18/2023 12:17	WG2062291
Bromobenzene	U	UJ	0.0420	0.500	1	05/18/2023 12:17	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 12:17	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 12:17	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 12:17	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 12:17	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 12:17	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 12:17	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 12:17	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 12:17	WG2062291
Chlorodibromomethane	U	UJ	0.0180	0.100	1	05/18/2023 12:17	WG2062291
Chloroethane	32.2	J	0.0432	0.200	1	05/18/2023 12:17	WG2062291
Chloroform	U	UJ	0.0166	0.100	1	05/18/2023 12:17	WG2062291
Chloromethane	6.33	J	0.0556	0.500	1	05/18/2023 12:17	WG2062291
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	05/18/2023 12:17	WG2062291
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/18/2023 12:17	WG2062291
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/18/2023 12:17	WG2062291
1,2-Dibromoethane	U	UJ	0.0210	0.100	1	05/18/2023 12:17	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 12:17	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 12:17	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 12:17	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 12:17	WG2062291
Dichlorodifluoromethane	U	UJ	0.0327	0.100	1	05/18/2023 12:17	WG2062291
1,1-Dichloroethane	0.0370	J J	0.0230	0.100	1	05/18/2023 12:17	WG2062291
1,2-Dichloroethane	U	UJ	0.0190	0.100	1	05/18/2023 12:17	WG2062291
1,1-Dichloroethene	2.41	J	0.0200	0.100	1	05/18/2023 12:17	WG2062291
cis-1,2-Dichloroethene	672	J	1.38	5.00	50	05/22/2023 01:07	WG2063702
trans-1,2-Dichloroethene	2.65	J	0.0572	0.200	1	05/18/2023 12:17	WG2062291
1,2-Dichloropropane	U	UJ	0.0508	0.200	1	05/18/2023 12:17	WG2062291

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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	
1,1-Dichloropropene	U	UJ	0.0280	0.100	1	05/18/2023 12:17	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 12:17	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 12:17	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 12:17	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 12:17	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 12:17	WG2062291
Ethylbenzene	U		0.0212	0.100	1	05/18/2023 12:17	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 12:17	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 12:17	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 12:17	WG2062291
2-Butanone (MEK)	U		0.500	1.00	1	05/18/2023 12:17	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 12:17	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 12:17	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 12:17	WG2062291
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 12:17	WG2062291
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/18/2023 12:17	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 12:17	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 12:17	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 12:17	WG2062291
1,1,2-Trichlorotrifluoroethane	U	UJ	0.0270	0.100	1	05/18/2023 12:17	WG2062291
Tetrachloroethene	6.50	J	0.0280	0.100	1	05/18/2023 12:17	WG2062291
Toluene	0.229	J	0.0500	0.200	1	05/18/2023 12:17	WG2062291
1,2,3-Trichlorobenzene	U	UJ	0.0250	0.500	1	05/18/2023 12:17	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 12:17	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 12:17	WG2062291
1,1,2-Trichloroethane	U	UJ	0.0353	0.100	1	05/18/2023 12:17	WG2062291
Trichloroethene	3.28	J	0.0160	0.0400	1	05/18/2023 12:17	WG2062291
Trichlorofluoromethane	U	UJ	0.0200	0.100	1	05/18/2023 12:17	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 12:17	WG2062291
1,2,4-Trimethylbenzene	U	UJ C3	0.0464	0.200	1	05/18/2023 12:17	WG2062291
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/18/2023 12:17	WG2062291
1,3,5-Trimethylbenzene	U	UJ C3	0.0432	0.200	1	05/18/2023 12:17	WG2062291
Vinyl chloride	976	J	1.36	5.00	50	05/22/2023 01:07	WG2063702
Xylenes, Total	0.202	J J	0.191	0.260	1	05/18/2023 12:17	WG2062291
Ethyl Ether	U	UJ	0.0170	0.100	1	05/18/2023 12:17	WG2062291
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/18/2023 12:17	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 12:17	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 12:17	WG2062291
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 12:17	WG2062291
(S) Toluene-d8	*107*			*75.0-131*		*05/18/2023 12:17*	WG2062291
(S) Toluene-d8	*103*			*75.0-131*		*05/22/2023 01:07*	WG2063702
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*05/18/2023 12:17*	WG2062291
(S) 4-Bromofluorobenzene	*80.7*			*67.0-138*		*05/22/2023 01:07*	WG2063702
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*		*05/18/2023 12:17*	WG2062291
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*05/22/2023 01:07*	WG2063702

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	1240	J	594	5000	1	05/19/2023 06:55	WG2062770

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	81300		102	1000	1	05/16/2023 18:36	WG2059986

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	2380		28.1	100	1	05/17/2023 22:37	WG2060138
Manganese	905		0.704	5.00	1	05/20/2023 09:43	WG2062564

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	23100		2.87	6.78	10	05/18/2023 17:17	WG2062632
Ethane	488		0.296	1.29	1	05/18/2023 16:09	WG2061512
Ethene	958		0.422	1.27	1	05/18/2023 16:09	WG2061512

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	3.21		0.548	1.00	1	05/18/2023 12:36	WG2062291
Acrylonitrile	U		0.0760	0.500	1	05/18/2023 12:36	WG2062291
Benzene	0.155		0.0160	0.0400	1	05/18/2023 12:36	WG2062291
Bromobenzene	U		0.0420	0.500	1	05/18/2023 12:36	WG2062291
Bromodichloromethane	U		0.0315	0.100	1	05/18/2023 12:36	WG2062291
Bromoform	U		0.239	1.00	1	05/18/2023 12:36	WG2062291
Bromomethane	U		0.148	0.500	1	05/18/2023 12:36	WG2062291
n-Butylbenzene	U		0.153	0.500	1	05/18/2023 12:36	WG2062291
sec-Butylbenzene	U		0.101	0.500	1	05/18/2023 12:36	WG2062291
tert-Butylbenzene	U		0.0620	0.200	1	05/18/2023 12:36	WG2062291
Carbon tetrachloride	U		0.0432	0.200	1	05/18/2023 12:36	WG2062291
Chlorobenzene	U		0.0229	0.100	1	05/18/2023 12:36	WG2062291
Chlorodibromomethane	U		0.0180	0.100	1	05/18/2023 12:36	WG2062291
Chloroethane	10.6		0.0432	0.200	1	05/18/2023 12:36	WG2062291
Chloroform	U		0.0166	0.100	1	05/18/2023 12:36	WG2062291
Chloromethane	14.7		0.0556	0.500	1	05/18/2023 12:36	WG2062291
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	05/18/2023 12:36	WG2062291
4-Chlorotoluene	U	UJ C3	0.0452	0.200	1	05/18/2023 12:36	WG2062291
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/18/2023 12:36	WG2062291
1,2-Dibromoethane	U		0.0210	0.100	1	05/18/2023 12:36	WG2062291
Dibromomethane	U		0.0400	0.200	1	05/18/2023 12:36	WG2062291
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/18/2023 12:36	WG2062291
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/18/2023 12:36	WG2062291
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/18/2023 12:36	WG2062291
Dichlorodifluoromethane	U		0.0327	0.100	1	05/18/2023 12:36	WG2062291
1,1-Dichloroethane	U		0.0230	0.100	1	05/18/2023 12:36	WG2062291
1,2-Dichloroethane	U		0.0190	0.100	1	05/18/2023 12:36	WG2062291
1,1-Dichloroethene	5.98		0.0200	0.100	1	05/18/2023 12:36	WG2062291
cis-1,2-Dichloroethene	3870		5.52	20.0	200	05/22/2023 01:26	WG2063702
trans-1,2-Dichloroethene	20.9		0.0572	0.200	1	05/18/2023 12:36	WG2062291
1,2-Dichloropropane	U		0.0508	0.200	1	05/18/2023 12:36	WG2062291

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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	
1,1-Dichloropropene	U		0.0280	0.100	1	05/18/2023 12:36	WG2062291
1,3-Dichloropropane	U		0.0700	0.200	1	05/18/2023 12:36	WG2062291
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/18/2023 12:36	WG2062291
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/18/2023 12:36	WG2062291
2,2-Dichloropropane	U		0.0317	0.100	1	05/18/2023 12:36	WG2062291
Di-isopropyl ether	U		0.0140	0.0400	1	05/18/2023 12:36	WG2062291
Ethylbenzene	0.0620	J	0.0212	0.100	1	05/18/2023 12:36	WG2062291
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/18/2023 12:36	WG2062291
Isopropylbenzene	U		0.0345	0.100	1	05/18/2023 12:36	WG2062291
p-Isopropyltoluene	U		0.0932	0.200	1	05/18/2023 12:36	WG2062291
2-Butanone (MEK)	11.9		0.500	1.00	1	05/18/2023 12:36	WG2062291
Methylene Chloride	U		0.265	1.00	1	05/18/2023 12:36	WG2062291
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/18/2023 12:36	WG2062291
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/18/2023 12:36	WG2062291
Naphthalene	U	UJ C3	0.124	0.500	1	05/18/2023 12:36	WG2062291
n-Propylbenzene	0.0480	J C3 J	0.0472	0.200	1	05/18/2023 12:36	WG2062291
Styrene	U		0.109	0.500	1	05/18/2023 12:36	WG2062291
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/18/2023 12:36	WG2062291
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/18/2023 12:36	WG2062291
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/18/2023 12:36	WG2062291
Tetrachloroethene	6630		5.60	20.0	200	05/22/2023 01:26	WG2063702
Toluene	0.282		0.0500	0.200	1	05/18/2023 12:36	WG2062291
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/18/2023 12:36	WG2062291
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/18/2023 12:36	WG2062291
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/18/2023 12:36	WG2062291
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/18/2023 12:36	WG2062291
Trichloroethene	402		3.20	8.00	200	05/22/2023 01:26	WG2063702
Trichlorofluoromethane	U		0.0200	0.100	1	05/18/2023 12:36	WG2062291
1,2,3-Trichloropropane	U		0.204	0.500	1	05/18/2023 12:36	WG2062291
1,2,4-Trimethylbenzene	0.407	J- C3	0.0464	0.200	1	05/18/2023 12:36	WG2062291
1,2,3-Trimethylbenzene	0.127	J C3 J	0.0460	0.200	1	05/18/2023 12:36	WG2062291
1,3,5-Trimethylbenzene	0.147	J C3 J	0.0432	0.200	1	05/18/2023 12:36	WG2062291
Vinyl chloride	2620		5.46	20.0	200	05/22/2023 01:26	WG2063702
Xylenes, Total	0.272		0.191	0.260	1	05/18/2023 12:36	WG2062291
Ethyl Ether	U		0.0170	0.100	1	05/18/2023 12:36	WG2062291
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/18/2023 12:36	WG2062291
Iodomethane	U		0.242	0.500	1	05/18/2023 12:36	WG2062291
Allyl chloride	U		0.580	1.00	1	05/18/2023 12:36	WG2062291
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/18/2023 12:36	WG2062291
(S) Toluene-d8	*109*			*75.0-131*		*05/18/2023 12:36*	WG2062291
(S) Toluene-d8	*99.1*			*75.0-131*		*05/22/2023 01:26*	WG2063702
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/18/2023 12:36*	WG2062291
(S) 4-Bromofluorobenzene	*73.3*			*67.0-138*		*05/22/2023 01:26*	WG2063702
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*05/18/2023 12:36*	WG2062291
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*05/22/2023 01:26*	WG2063702

JC 6/15/23

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ	0.548	1.00	1	05/22/2023 03:03	WG2064041
Acrylonitrile	U		0.0760	0.500	1	05/22/2023 03:03	WG2064041
Benzene	U		0.0160	0.0400	1	05/22/2023 03:03	WG2064041
Bromobenzene	U		0.0420	0.500	1	05/22/2023 03:03	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 03:03	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 03:03	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 03:03	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 03:03	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 03:03	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 03:03	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 03:03	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 03:03	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 03:03	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 03:03	WG2064041
Chloroform	U		0.0166	0.100	1	05/22/2023 03:03	WG2064041
Chloromethane	U		0.0556	0.500	1	05/22/2023 03:03	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 03:03	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 03:03	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 03:03	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 03:03	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 03:03	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 03:03	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 03:03	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 03:03	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 03:03	WG2064041
1,1-Dichloroethane	U		0.0230	0.100	1	05/22/2023 03:03	WG2064041
1,2-Dichloroethane	U		0.0190	0.100	1	05/22/2023 03:03	WG2064041
1,1-Dichloroethene	U	UJ	0.0200	0.100	1	05/22/2023 03:03	WG2064041
cis-1,2-Dichloroethene	0.112	J	0.0276	0.100	1	05/22/2023 03:03	WG2064041
trans-1,2-Dichloroethene	U	UJ	0.0572	0.200	1	05/22/2023 03:03	WG2064041
1,2-Dichloropropane	U		0.0508	0.200	1	05/22/2023 03:03	WG2064041
1,1-Dichloropropene	U		0.0280	0.100	1	05/22/2023 03:03	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 03:03	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 03:03	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 03:03	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 03:03	WG2064041
Di-isopropyl ether	U		0.0140	0.0400	1	05/22/2023 03:03	WG2064041
Ethylbenzene	U		0.0212	0.100	1	05/22/2023 03:03	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 03:03	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 03:03	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 03:03	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 03:03	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 03:03	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 03:03	WG2064041
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/22/2023 03:03	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 03:03	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 03:03	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 03:03	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 03:03	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 03:03	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/22/2023 03:03	WG2064041
Tetrachloroethene	U		0.0280	0.100	1	05/22/2023 03:03	WG2064041
Toluene	0.0730	J J	0.0500	0.200	1	05/22/2023 03:03	WG2064041
1,2,3-Trichlorobenzene	U	UJ J4	0.0250	0.500	1	05/22/2023 03:03	WG2064041
1,2,4-Trichlorobenzene	U	UJ J4	0.193	0.500	1	05/22/2023 03:03	WG2064041
1,1,1-Trichloroethane	U	UJ	0.0110	0.100	1	05/22/2023 03:03	WG2064041

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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	UJ	0.0353	0.100	1	05/22/2023 03:03	WG2064041
Trichloroethene	0.107	J	0.0160	0.0400	1	05/22/2023 03:03	WG2064041
Trichlorofluoromethane	U	UJ	0.0200	0.100	1	05/22/2023 03:03	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 03:03	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 03:03	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 03:03	WG2064041
1,3,5-Trimethylbenzene	U	UJ	0.0432	0.200	1	05/22/2023 03:03	WG2064041
Vinyl chloride	1.46	J	0.0273	0.100	1	05/22/2023 03:03	WG2064041
Xylenes, Total	U	UJ	0.191	0.260	1	05/22/2023 03:03	WG2064041
Ethyl Ether	U		0.0170	0.100	1	05/22/2023 03:03	WG2064041
Tetrahydrofuran	U		0.0900	0.500	1	05/22/2023 03:03	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 03:03	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 03:03	WG2064041
Trans-1,4-Dichloro-2-butene	U	UJ	0.0560	0.200	1	05/22/2023 03:03	WG2064041
(S) Toluene-d8	*101*			*75.0-131*		*05/22/2023 03:03*	WG2064041
(S) 4-Bromofluorobenzene	*75.8*			*67.0-138*		*05/22/2023 03:03*	WG2064041
(S) 1,2-Dichloroethane-d4	*127*			*70.0-130*		*05/22/2023 03:03*	WG2064041

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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 UJ		0.548	1.00	1	05/22/2023 03:22	WG2064041
Acrylonitrile	U UJ		0.0760	0.500	1	05/22/2023 03:22	WG2064041
Benzene	0.0270 J	J	0.0160	0.0400	1	05/22/2023 03:22	WG2064041
Bromobenzene	U UJ		0.0420	0.500	1	05/22/2023 03:22	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 03:22	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 03:22	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 03:22	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 03:22	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 03:22	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 03:22	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 03:22	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 03:22	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 03:22	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 03:22	WG2064041
Chloroform	U		0.0166	0.100	1	05/22/2023 03:22	WG2064041
Chloromethane	U		0.0556	0.500	1	05/22/2023 03:22	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 03:22	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 03:22	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 03:22	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 03:22	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 03:22	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 03:22	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 03:22	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 03:22	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 03:22	WG2064041
1,1-Dichloroethane	U		0.0230	0.100	1	05/22/2023 03:22	WG2064041
1,2-Dichloroethane	U UJ		0.0190	0.100	1	05/22/2023 03:22	WG2064041
1,1-Dichloroethene	U UJ		0.0200	0.100	1	05/22/2023 03:22	WG2064041
cis-1,2-Dichloroethene	1.79 J		0.0276	0.100	1	05/22/2023 03:22	WG2064041
trans-1,2-Dichloroethene	U UJ		0.0572	0.200	1	05/22/2023 03:22	WG2064041
1,2-Dichloropropane	U		0.0508	0.200	1	05/22/2023 03:22	WG2064041
1,1-Dichloropropene	U		0.0280	0.100	1	05/22/2023 03:22	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 03:22	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 03:22	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 03:22	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 03:22	WG2064041
Di-isopropyl ether	U		0.0140	0.0400	1	05/22/2023 03:22	WG2064041
Ethylbenzene	U		0.0212	0.100	1	05/22/2023 03:22	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 03:22	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 03:22	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 03:22	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 03:22	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 03:22	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 03:22	WG2064041
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/22/2023 03:22	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 03:22	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 03:22	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 03:22	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 03:22	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 03:22	WG2064041
1,1,2-Trichlorotrifluoroethane	U UJ		0.0270	0.100	1	05/22/2023 03:22	WG2064041
Tetrachloroethene	0.0370 J	J	0.0280	0.100	1	05/22/2023 03:22	WG2064041
Toluene	U UJ		0.0500	0.200	1	05/22/2023 03:22	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.0250	0.500	1	05/22/2023 03:22	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 03:22	WG2064041
1,1,1-Trichloroethane	U UJ		0.0110	0.100	1	05/22/2023 03:22	WG2064041

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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	UJ	0.0353	0.100	1	05/22/2023 03:22	WG2064041
Trichloroethene	0.0510	J	0.0160	0.0400	1	05/22/2023 03:22	WG2064041
Trichlorofluoromethane	U	UJ	0.0200	0.100	1	05/22/2023 03:22	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 03:22	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 03:22	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 03:22	WG2064041
1,3,5-Trimethylbenzene	U	UJ	0.0432	0.200	1	05/22/2023 03:22	WG2064041
Vinyl chloride	3.35	J	0.0273	0.100	1	05/22/2023 03:22	WG2064041
Xylenes, Total	U	UJ	0.191	0.260	1	05/22/2023 03:22	WG2064041
Ethyl Ether	0.254	J	0.0170	0.100	1	05/22/2023 03:22	WG2064041
Tetrahydrofuran	U	UJ	0.0900	0.500	1	05/22/2023 03:22	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 03:22	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 03:22	WG2064041
Trans-1,4-Dichloro-2-butene	U	UJ	0.0560	0.200	1	05/22/2023 03:22	WG2064041
(S) Toluene-d8	*103*			*75.0-131*		*05/22/2023 03:22*	WG2064041
(S) 4-Bromofluorobenzene	*75.8*			*67.0-138*		*05/22/2023 03:22*	WG2064041
(S) 1,2-Dichloroethane-d4	*127*			*70.0-130*		*05/22/2023 03:22*	WG2064041

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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
Acetone	U	UJ	0.548	1.00	1	05/22/2023 03:41	WG2064041
Acrylonitrile	U		0.0760	0.500	1	05/22/2023 03:41	WG2064041
Benzene	U		0.0160	0.0400	1	05/22/2023 03:41	WG2064041
Bromobenzene	U		0.0420	0.500	1	05/22/2023 03:41	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 03:41	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 03:41	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 03:41	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 03:41	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 03:41	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 03:41	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 03:41	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 03:41	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 03:41	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 03:41	WG2064041
Chloroform	U		0.0166	0.100	1	05/22/2023 03:41	WG2064041
Chloromethane	U		0.0556	0.500	1	05/22/2023 03:41	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 03:41	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 03:41	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 03:41	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 03:41	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 03:41	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 03:41	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 03:41	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 03:41	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 03:41	WG2064041
1,1-Dichloroethane	U		0.0230	0.100	1	05/22/2023 03:41	WG2064041
1,2-Dichloroethane	U		0.0190	0.100	1	05/22/2023 03:41	WG2064041
1,1-Dichloroethene	U	UJ	0.0200	0.100	1	05/22/2023 03:41	WG2064041
cis-1,2-Dichloroethene	0.580	J	0.0276	0.100	1	05/22/2023 03:41	WG2064041
trans-1,2-Dichloroethene	U	UJ	0.0572	0.200	1	05/22/2023 03:41	WG2064041
1,2-Dichloropropane	U		0.0508	0.200	1	05/22/2023 03:41	WG2064041
1,1-Dichloropropene	U		0.0280	0.100	1	05/22/2023 03:41	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 03:41	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 03:41	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 03:41	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 03:41	WG2064041
Di-isopropyl ether	U		0.0140	0.0400	1	05/22/2023 03:41	WG2064041
Ethylbenzene	U		0.0212	0.100	1	05/22/2023 03:41	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 03:41	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 03:41	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 03:41	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 03:41	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 03:41	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 03:41	WG2064041
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/22/2023 03:41	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 03:41	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 03:41	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 03:41	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 03:41	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 03:41	WG2064041
1,1,2-Trichlorotrifluoroethane	U	UJ	0.0270	0.100	1	05/22/2023 03:41	WG2064041
Tetrachloroethene	0.0560	J J	0.0280	0.100	1	05/22/2023 03:41	WG2064041
Toluene	U	UJ	0.0500	0.200	1	05/22/2023 03:41	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.0250	0.500	1	05/22/2023 03:41	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 03:41	WG2064041
1,1,1-Trichloroethane	U	UJ	0.0110	0.100	1	05/22/2023 03:41	WG2064041

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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	UJ	0.0353	0.100	1	05/22/2023 03:41	WG2064041
Trichloroethene	U		0.0160	0.0400	1	05/22/2023 03:41	WG2064041
Trichlorofluoromethane	U		0.0200	0.100	1	05/22/2023 03:41	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 03:41	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 03:41	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 03:41	WG2064041
1,3,5-Trimethylbenzene	U	UJ	0.0432	0.200	1	05/22/2023 03:41	WG2064041
Vinyl chloride	6.27	J	0.0273	0.100	1	05/22/2023 03:41	WG2064041
Xylenes, Total	U	UJ	0.191	0.260	1	05/22/2023 03:41	WG2064041
Ethyl Ether	U		0.0170	0.100	1	05/22/2023 03:41	WG2064041
Tetrahydrofuran	U		0.0900	0.500	1	05/22/2023 03:41	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 03:41	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 03:41	WG2064041
Trans-1,4-Dichloro-2-butene	U	UJ	0.0560	0.200	1	05/22/2023 03:41	WG2064041
(S) Toluene-d8	*103*			*75.0-131*		*05/22/2023 03:41*	WG2064041
(S) 4-Bromofluorobenzene	*78.8*			*67.0-138*		*05/22/2023 03:41*	WG2064041
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*05/22/2023 03:41*	WG2064041

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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
Acetone	U	UJ	0.548	1.00	1	05/22/2023 04:01	WG2064041
Acrylonitrile	U	UJ	0.0760	0.500	1	05/22/2023 04:01	WG2064041
Benzene	34.4	J	0.0160	0.0400	1	05/22/2023 04:01	WG2064041
Bromobenzene	U	UJ	0.0420	0.500	1	05/22/2023 04:01	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 04:01	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 04:01	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 04:01	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 04:01	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 04:01	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 04:01	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 04:01	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 04:01	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 04:01	WG2064041
Chloroethane	U	UJ	0.0432	0.200	1	05/22/2023 04:01	WG2064041
Chloroform	0.263	J	0.0166	0.100	1	05/22/2023 04:01	WG2064041
Chloromethane	0.765	J	0.0556	0.500	1	05/22/2023 04:01	WG2064041
2-Chlorotoluene	U	UJ	0.0368	0.100	1	05/22/2023 04:01	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 04:01	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 04:01	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 04:01	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 04:01	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 04:01	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 04:01	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 04:01	WG2064041
Dichlorodifluoromethane	U	UJ	0.0327	0.100	1	05/22/2023 04:01	WG2064041
1,1-Dichloroethane	0.175	J	0.0230	0.100	1	05/22/2023 04:01	WG2064041
1,2-Dichloroethane	U	UJ	0.0190	0.100	1	05/22/2023 04:01	WG2064041
1,1-Dichloroethene	0.0390	J J	0.0200	0.100	1	05/22/2023 04:01	WG2064041
cis-1,2-Dichloroethene	14.9		0.0276	0.100	1	05/22/2023 04:01	WG2064041
trans-1,2-Dichloroethene	0.132	J	0.0572	0.200	1	05/22/2023 04:01	WG2064041
1,2-Dichloropropane	0.127	J J	0.0508	0.200	1	05/22/2023 04:01	WG2064041
1,1-Dichloropropene	U	UJ	0.0280	0.100	1	05/22/2023 04:01	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 04:01	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 04:01	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 04:01	WG2064041
2,2-Dichloropropane	U	UJ	0.0317	0.100	1	05/22/2023 04:01	WG2064041
Di-isopropyl ether	0.885	J	0.0140	0.0400	1	05/22/2023 04:01	WG2064041
Ethylbenzene	U	UJ	0.0212	0.100	1	05/22/2023 04:01	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 04:01	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 04:01	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 04:01	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 04:01	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 04:01	WG2064041
4-Methyl-2-pentanone (MIBK)	U	UJ	0.400	1.00	1	05/22/2023 04:01	WG2064041
Methyl tert-butyl ether	1.64	J	0.0118	0.0400	1	05/22/2023 04:01	WG2064041
Naphthalene	U	UJ	0.124	0.500	1	05/22/2023 04:01	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 04:01	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 04:01	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 04:01	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 04:01	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/22/2023 04:01	WG2064041
Tetrachloroethene	U	UJ	0.0280	0.100	1	05/22/2023 04:01	WG2064041
Toluene	0.157	J J	0.0500	0.200	1	05/22/2023 04:01	WG2064041
1,2,3-Trichlorobenzene	U	UJ J4	0.0250	0.500	1	05/22/2023 04:01	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 04:01	WG2064041
1,1,1-Trichloroethane	U	UJ	0.0110	0.100	1	05/22/2023 04:01	WG2064041

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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 UJ		0.0353	0.100	1	05/22/2023 04:01	WG2064041
Trichloroethene	U		0.0160	0.0400	1	05/22/2023 04:01	WG2064041
Trichlorofluoromethane	U		0.0200	0.100	1	05/22/2023 04:01	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 04:01	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 04:01	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 04:01	WG2064041
1,3,5-Trimethylbenzene	U UJ		0.0432	0.200	1	05/22/2023 04:01	WG2064041
Vinyl chloride	137 J	E	0.0273	0.100	1	05/22/2023 04:01	WG2064041
Xylenes, Total	U UJ		0.191	0.260	1	05/22/2023 04:01	WG2064041
Ethyl Ether	0.482 J		0.0170	0.100	1	05/22/2023 04:01	WG2064041
Tetrahydrofuran	U UJ		0.0900	0.500	1	05/22/2023 04:01	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 04:01	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 04:01	WG2064041
Trans-1,4-Dichloro-2-butene	U UJ		0.0560	0.200	1	05/22/2023 04:01	WG2064041
(S) Toluene-d8	*102*			*75.0-131*		*05/22/2023 04:01*	WG2064041
(S) 4-Bromofluorobenzene	*75.6*			*67.0-138*		*05/22/2023 04:01*	WG2064041
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/22/2023 04:01*	WG2064041

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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
Acetone	U UJ		0.548	1.00	1	05/22/2023 04:20	WG2064041
Acrylonitrile	U UJ		0.0760	0.500	1	05/22/2023 04:20	WG2064041
Benzene	0.0390 J	J	0.0160	0.0400	1	05/22/2023 04:20	WG2064041
Bromobenzene	U UJ		0.0420	0.500	1	05/22/2023 04:20	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 04:20	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 04:20	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 04:20	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 04:20	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 04:20	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 04:20	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 04:20	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 04:20	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 04:20	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 04:20	WG2064041
Chloroform	U		0.0166	0.100	1	05/22/2023 04:20	WG2064041
Chloromethane	U		0.0556	0.500	1	05/22/2023 04:20	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 04:20	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 04:20	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 04:20	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 04:20	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 04:20	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 04:20	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 04:20	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 04:20	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 04:20	WG2064041
1,1-Dichloroethane	U		0.0230	0.100	1	05/22/2023 04:20	WG2064041
1,2-Dichloroethane	U UJ		0.0190	0.100	1	05/22/2023 04:20	WG2064041
1,1-Dichloroethene	0.253 J		0.0200	0.100	1	05/22/2023 04:20	WG2064041
cis-1,2-Dichloroethene	166 J		0.276	1.00	10	05/25/2023 03:23	WG2064613
trans-1,2-Dichloroethene	0.311 J		0.0572	0.200	1	05/22/2023 04:20	WG2064041
1,2-Dichloropropane	U UJ		0.0508	0.200	1	05/22/2023 04:20	WG2064041
1,1-Dichloropropene	U		0.0280	0.100	1	05/22/2023 04:20	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 04:20	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 04:20	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 04:20	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 04:20	WG2064041
Di-isopropyl ether	U		0.0140	0.0400	1	05/22/2023 04:20	WG2064041
Ethylbenzene	U		0.0212	0.100	1	05/22/2023 04:20	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 04:20	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 04:20	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 04:20	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 04:20	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 04:20	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 04:20	WG2064041
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/22/2023 04:20	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 04:20	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 04:20	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 04:20	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 04:20	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 04:20	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/22/2023 04:20	WG2064041
Tetrachloroethene	U UJ		0.0280	0.100	1	05/22/2023 04:20	WG2064041
Toluene	0.131 J	J	0.0500	0.200	1	05/22/2023 04:20	WG2064041
1,2,3-Trichlorobenzene	U UJ	J4	0.0250	0.500	1	05/22/2023 04:20	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 04:20	WG2064041
1,1,1-Trichloroethane	U UJ		0.0110	0.100	1	05/22/2023 04:20	WG2064041

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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 UJ		0.0353	0.100	1	05/22/2023 04:20	WG2064041
Trichloroethene	0.354 J		0.0160	0.0400	1	05/22/2023 04:20	WG2064041
Trichlorofluoromethane	U UJ		0.0200	0.100	1	05/22/2023 04:20	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 04:20	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 04:20	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 04:20	WG2064041
1,3,5-Trimethylbenzene	U UJ		0.0432	0.200	1	05/22/2023 04:20	WG2064041
Vinyl chloride	87.7 J		0.273	1.00	10	05/25/2023 03:23	WG2064613
Xylenes, Total	U UJ		0.191	0.260	1	05/22/2023 04:20	WG2064041
Ethyl Ether	0.136 J		0.0170	0.100	1	05/22/2023 04:20	WG2064041
Tetrahydrofuran	U UJ		0.0900	0.500	1	05/22/2023 04:20	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 04:20	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 04:20	WG2064041
Trans-1,4-Dichloro-2-butene	U UJ		0.0560	0.200	1	05/22/2023 04:20	WG2064041
(S) Toluene-d8	*103*			*75.0-131*		*05/22/2023 04:20*	WG2064041
(S) Toluene-d8	*107*			*75.0-131*		*05/25/2023 03:23*	WG2064613
(S) 4-Bromofluorobenzene	*81.9*			*67.0-138*		*05/22/2023 04:20*	WG2064041
(S) 4-Bromofluorobenzene	*98.2*			*67.0-138*		*05/25/2023 03:23*	WG2064613
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*05/22/2023 04:20*	WG2064041
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/25/2023 03:23*	WG2064613

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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 UJ		0.548	1.00	1	05/22/2023 04:39	WG2064041
Acrylonitrile	U		0.0760	0.500	1	05/22/2023 04:39	WG2064041
Benzene	U		0.0160	0.0400	1	05/22/2023 04:39	WG2064041
Bromobenzene	U		0.0420	0.500	1	05/22/2023 04:39	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 04:39	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 04:39	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 04:39	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 04:39	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 04:39	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 04:39	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 04:39	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 04:39	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 04:39	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 04:39	WG2064041
Chloroform	U		0.0166	0.100	1	05/22/2023 04:39	WG2064041
Chloromethane	U		0.0556	0.500	1	05/22/2023 04:39	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 04:39	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 04:39	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 04:39	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 04:39	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 04:39	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 04:39	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 04:39	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 04:39	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 04:39	WG2064041
1,1-Dichloroethane	U		0.0230	0.100	1	05/22/2023 04:39	WG2064041
1,2-Dichloroethane	U		0.0190	0.100	1	05/22/2023 04:39	WG2064041
1,1-Dichloroethene	U		0.0200	0.100	1	05/22/2023 04:39	WG2064041
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/22/2023 04:39	WG2064041
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/22/2023 04:39	WG2064041
1,2-Dichloropropane	U		0.0508	0.200	1	05/22/2023 04:39	WG2064041
1,1-Dichloropropene	U		0.0280	0.100	1	05/22/2023 04:39	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 04:39	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 04:39	WG2064041
trans-1,3-Dichloropropene	U UJ		0.0612	0.200	1	05/22/2023 04:39	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 04:39	WG2064041
Di-isopropyl ether	0.0840 J		0.0140	0.0400	1	05/22/2023 04:39	WG2064041
Ethylbenzene	U UJ		0.0212	0.100	1	05/22/2023 04:39	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 04:39	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 04:39	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 04:39	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 04:39	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 04:39	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 04:39	WG2064041
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/22/2023 04:39	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 04:39	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 04:39	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 04:39	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 04:39	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 04:39	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/22/2023 04:39	WG2064041
Tetrachloroethene	U		0.0280	0.100	1	05/22/2023 04:39	WG2064041
Toluene	U		0.0500	0.200	1	05/22/2023 04:39	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.0250	0.500	1	05/22/2023 04:39	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 04:39	WG2064041
1,1,1-Trichloroethane	U UJ		0.0110	0.100	1	05/22/2023 04:39	WG2064041

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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	UJ	0.0353	0.100	1	05/22/2023 04:39	WG2064041
Trichloroethene	U		0.0160	0.0400	1	05/22/2023 04:39	WG2064041
Trichlorofluoromethane	U		0.0200	0.100	1	05/22/2023 04:39	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 04:39	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 04:39	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 04:39	WG2064041
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/22/2023 04:39	WG2064041
Vinyl chloride	U	UJ	0.0273	0.100	1	05/22/2023 04:39	WG2064041
Xylenes, Total	U		0.191	0.260	1	05/22/2023 04:39	WG2064041
Ethyl Ether	0.391	J	0.0170	0.100	1	05/22/2023 04:39	WG2064041
Tetrahydrofuran	U	UJ	0.0900	0.500	1	05/22/2023 04:39	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 04:39	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 04:39	WG2064041
Trans-1,4-Dichloro-2-butene	U	UJ	0.0560	0.200	1	05/22/2023 04:39	WG2064041
(S) Toluene-d8	*102*			*75.0-131*		*05/22/2023 04:39*	WG2064041
(S) 4-Bromofluorobenzene	*72.9*			*67.0-138*		*05/22/2023 04:39*	WG2064041
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*05/22/2023 04:39*	WG2064041

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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		0.548	1.00	1	05/22/2023 04:59	WG2064041
Acrylonitrile	U		0.0760	0.500	1	05/22/2023 04:59	WG2064041
Benzene	U		0.0160	0.0400	1	05/22/2023 04:59	WG2064041
Bromobenzene	U		0.0420	0.500	1	05/22/2023 04:59	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 04:59	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 04:59	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 04:59	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 04:59	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 04:59	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 04:59	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 04:59	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 04:59	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 04:59	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 04:59	WG2064041
Chloroform	U		0.0166	0.100	1	05/22/2023 04:59	WG2064041
Chloromethane	U		0.0556	0.500	1	05/22/2023 04:59	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 04:59	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 04:59	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 04:59	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 04:59	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 04:59	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 04:59	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 04:59	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 04:59	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 04:59	WG2064041
1,1-Dichloroethane	0.466	J	0.0230	0.100	1	05/22/2023 04:59	WG2064041
1,2-Dichloroethane	U		0.0190	0.100	1	05/22/2023 04:59	WG2064041
1,1-Dichloroethene	0.0360	J	0.0200	0.100	1	05/22/2023 04:59	WG2064041
cis-1,2-Dichloroethene	0.666	J	0.0276	0.100	1	05/22/2023 04:59	WG2064041
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/22/2023 04:59	WG2064041
1,2-Dichloropropane	0.0570	J	0.0508	0.200	1	05/22/2023 04:59	WG2064041
1,1-Dichloropropene	U		0.0280	0.100	1	05/22/2023 04:59	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 04:59	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 04:59	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 04:59	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 04:59	WG2064041
Di-isopropyl ether	U		0.0140	0.0400	1	05/22/2023 04:59	WG2064041
Ethylbenzene	U		0.0212	0.100	1	05/22/2023 04:59	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 04:59	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 04:59	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 04:59	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 04:59	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 04:59	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 04:59	WG2064041
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/22/2023 04:59	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 04:59	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 04:59	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 04:59	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 04:59	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 04:59	WG2064041
1,1,2-Trichlorotrifluoroethane	0.137	J	0.0270	0.100	1	05/22/2023 04:59	WG2064041
Tetrachloroethene	U		0.0280	0.100	1	05/22/2023 04:59	WG2064041
Toluene	U		0.0500	0.200	1	05/22/2023 04:59	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.0250	0.500	1	05/22/2023 04:59	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 04:59	WG2064041
1,1,1-Trichloroethane	0.0970	J	0.0110	0.100	1	05/22/2023 04:59	WG2064041

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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	UJ	0.0353	0.100	1	05/22/2023 04:59	WG2064041
Trichloroethene	U		0.0160	0.0400	1	05/22/2023 04:59	WG2064041
Trichlorofluoromethane	U		0.0200	0.100	1	05/22/2023 04:59	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 04:59	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 04:59	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 04:59	WG2064041
1,3,5-Trimethylbenzene	U	UJ	0.0432	0.200	1	05/22/2023 04:59	WG2064041
Vinyl chloride	0.209	J	0.0273	0.100	1	05/22/2023 04:59	WG2064041
Xylenes, Total	U	UJ	0.191	0.260	1	05/22/2023 04:59	WG2064041
Ethyl Ether	U	UJ	0.0170	0.100	1	05/22/2023 04:59	WG2064041
Tetrahydrofuran	0.191	J	0.0900	0.500	1	05/22/2023 04:59	WG2064041
Iodomethane	U	UJ C3 J4	0.242	0.500	1	05/22/2023 04:59	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 04:59	WG2064041
Trans-1,4-Dichloro-2-butene	U	UJ	0.0560	0.200	1	05/22/2023 04:59	WG2064041
(S) Toluene-d8	*105*			*75.0-131*		*05/22/2023 04:59*	WG2064041
(S) 4-Bromofluorobenzene	*79.0*			*67.0-138*		*05/22/2023 04:59*	WG2064041
(S) 1,2-Dichloroethane-d4	*128*			*70.0-130*		*05/22/2023 04:59*	WG2064041

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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 UJ		2.74	5.00	5	05/22/2023 05:57	WG2064041
Acrylonitrile	U UJ		0.380	2.50	5	05/22/2023 05:57	WG2064041
Benzene	0.175 J	J	0.0800	0.200	5	05/22/2023 05:57	WG2064041
Bromobenzene	U UJ		0.210	2.50	5	05/22/2023 05:57	WG2064041
Bromodichloromethane	U		0.158	0.500	5	05/22/2023 05:57	WG2064041
Bromoform	U		1.20	5.00	5	05/22/2023 05:57	WG2064041
Bromomethane	U		0.740	2.50	5	05/22/2023 05:57	WG2064041
n-Butylbenzene	U		0.765	2.50	5	05/22/2023 05:57	WG2064041
sec-Butylbenzene	U		0.505	2.50	5	05/22/2023 05:57	WG2064041
tert-Butylbenzene	U		0.310	1.00	5	05/22/2023 05:57	WG2064041
Carbon tetrachloride	U		0.216	1.00	5	05/22/2023 05:57	WG2064041
Chlorobenzene	U		0.115	0.500	5	05/22/2023 05:57	WG2064041
Chlorodibromomethane	U		0.0900	0.500	5	05/22/2023 05:57	WG2064041
Chloroethane	U		0.216	1.00	5	05/22/2023 05:57	WG2064041
Chloroform	U		0.0830	0.500	5	05/22/2023 05:57	WG2064041
Chloromethane	U		0.278	2.50	5	05/22/2023 05:57	WG2064041
2-Chlorotoluene	U		0.184	0.500	5	05/22/2023 05:57	WG2064041
4-Chlorotoluene	U		0.226	1.00	5	05/22/2023 05:57	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	1.02	5.00	5	05/22/2023 05:57	WG2064041
1,2-Dibromoethane	U		0.105	0.500	5	05/22/2023 05:57	WG2064041
Dibromomethane	U		0.200	1.00	5	05/22/2023 05:57	WG2064041
1,2-Dichlorobenzene	U		0.290	1.00	5	05/22/2023 05:57	WG2064041
1,3-Dichlorobenzene	U		0.340	1.00	5	05/22/2023 05:57	WG2064041
1,4-Dichlorobenzene	U		0.394	1.00	5	05/22/2023 05:57	WG2064041
Dichlorodifluoromethane	U		0.164	0.500	5	05/22/2023 05:57	WG2064041
1,1-Dichloroethane	U		0.115	0.500	5	05/22/2023 05:57	WG2064041
1,2-Dichloroethane	U		0.0950	0.500	5	05/22/2023 05:57	WG2064041
1,1-Dichloroethene	U		0.100	0.500	5	05/22/2023 05:57	WG2064041
cis-1,2-Dichloroethene	U		0.138	0.500	5	05/22/2023 05:57	WG2064041
trans-1,2-Dichloroethene	U		0.286	1.00	5	05/22/2023 05:57	WG2064041
1,2-Dichloropropane	U		0.254	1.00	5	05/22/2023 05:57	WG2064041
1,1-Dichloropropene	U		0.140	0.500	5	05/22/2023 05:57	WG2064041
1,3-Dichloropropane	U		0.350	1.00	5	05/22/2023 05:57	WG2064041
cis-1,3-Dichloropropene	U		0.136	0.500	5	05/22/2023 05:57	WG2064041
trans-1,3-Dichloropropene	U		0.306	1.00	5	05/22/2023 05:57	WG2064041
2,2-Dichloropropane	U UJ		0.159	0.500	5	05/22/2023 05:57	WG2064041
Di-isopropyl ether	0.100 J	J	0.0700	0.200	5	05/22/2023 05:57	WG2064041
Ethylbenzene	U UJ		0.106	0.500	5	05/22/2023 05:57	WG2064041
Hexachloro-1,3-butadiene	U	J4	2.54	5.00	5	05/22/2023 05:57	WG2064041
Isopropylbenzene	U		0.173	0.500	5	05/22/2023 05:57	WG2064041
p-Isopropyltoluene	U		0.466	1.00	5	05/22/2023 05:57	WG2064041
2-Butanone (MEK)	U		2.50	5.00	5	05/22/2023 05:57	WG2064041
Methylene Chloride	U UJ	C3 J3 J4	1.33	5.00	5	05/22/2023 05:57	WG2064041
4-Methyl-2-pentanone (MIBK)	U		2.00	5.00	5	05/22/2023 05:57	WG2064041
Methyl tert-butyl ether	0.0750 J	J	0.0590	0.200	5	05/22/2023 05:57	WG2064041
Naphthalene	U UJ		0.620	2.50	5	05/22/2023 05:57	WG2064041
n-Propylbenzene	U		0.236	1.00	5	05/22/2023 05:57	WG2064041
Styrene	U		0.545	2.50	5	05/22/2023 05:57	WG2064041
1,1,1,2-Tetrachloroethane	U		0.100	0.500	5	05/22/2023 05:57	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0780	0.500	5	05/22/2023 05:57	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.135	0.500	5	05/22/2023 05:57	WG2064041
Tetrachloroethene	U		0.140	0.500	5	05/22/2023 05:57	WG2064041
Toluene	U		0.250	1.00	5	05/22/2023 05:57	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.125	2.50	5	05/22/2023 05:57	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.965	2.50	5	05/22/2023 05:57	WG2064041
1,1,1-Trichloroethane	U UJ		0.0550	0.500	5	05/22/2023 05:57	WG2064041

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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 UJ		0.177	0.500	5	05/22/2023 05:57	WG2064041
Trichloroethene	U		0.0800	0.200	5	05/22/2023 05:57	WG2064041
Trichlorofluoromethane	U		0.100	0.500	5	05/22/2023 05:57	WG2064041
1,2,3-Trichloropropane	U		1.02	2.50	5	05/22/2023 05:57	WG2064041
1,2,4-Trimethylbenzene	U		0.232	1.00	5	05/22/2023 05:57	WG2064041
1,2,3-Trimethylbenzene	U		0.230	1.00	5	05/22/2023 05:57	WG2064041
1,3,5-Trimethylbenzene	U		0.216	1.00	5	05/22/2023 05:57	WG2064041
Vinyl chloride	U		0.137	0.500	5	05/22/2023 05:57	WG2064041
Xylenes, Total	U		0.955	1.30	5	05/22/2023 05:57	WG2064041
Ethyl Ether	U		0.0850	0.500	5	05/22/2023 05:57	WG2064041
Tetrahydrofuran	U		0.450	2.50	5	05/22/2023 05:57	WG2064041
Iodomethane	U	C3 J4	1.21	2.50	5	05/22/2023 05:57	WG2064041
Allyl chloride	U		2.90	5.00	5	05/22/2023 05:57	WG2064041
Trans-1,4-Dichloro-2-butene	U UJ		0.280	1.00	5	05/22/2023 05:57	WG2064041
(S) Toluene-d8	*107*			*75.0-131*		*05/22/2023 05:57*	WG2064041
(S) 4-Bromofluorobenzene	*68.8*			*67.0-138*		*05/22/2023 05:57*	WG2064041
(S) 1,2-Dichloroethane-d4	*131*	J1		*70.0-130*		*05/22/2023 05:57*	WG2064041

Sample Narrative:

L1617171-08 WG2064041: Dilution due to foam.

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	9780	J	594	5000	1	05/24/2023 02:37	WG2065198

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)	5680	J	102	1000	1	05/30/2023 14:10	WG2065458

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7670		28.1	100	1	05/24/2023 22:15	WG2062611
Manganese	2290		0.704	5.00	1	05/24/2023 22:15	WG2062611

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	37500	J	2.87	6.78	10	05/25/2023 16:02	WG2066702
Ethane	4.91	J	0.296	1.29	1	05/25/2023 11:48	WG2065642
Ethene	4.87	J	0.422	1.27	1	05/25/2023 11:48	WG2065642

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.67	U	0.548	1.00	1	05/22/2023 05:18	WG2064041
Acrylonitrile	U	UJ	0.0760	0.500	1	05/22/2023 05:18	WG2064041
Benzene	U		0.0160	0.0400	1	05/22/2023 05:18	WG2064041
Bromobenzene	U		0.0420	0.500	1	05/22/2023 05:18	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 05:18	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 05:18	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 05:18	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 05:18	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 05:18	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 05:18	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 05:18	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 05:18	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 05:18	WG2064041
Chloroethane	U		0.0432	0.200	1	05/22/2023 05:18	WG2064041
Chloroform	U		0.0166	0.100	1	05/22/2023 05:18	WG2064041
Chloromethane	U		0.0556	0.500	1	05/22/2023 05:18	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 05:18	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 05:18	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 05:18	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 05:18	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 05:18	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 05:18	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 05:18	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 05:18	WG2064041
Dichlorodifluoromethane	U		0.0327	0.100	1	05/22/2023 05:18	WG2064041
1,1-Dichloroethane	U		0.0230	0.100	1	05/22/2023 05:18	WG2064041
1,2-Dichloroethane	U		0.0190	0.100	1	05/22/2023 05:18	WG2064041
1,1-Dichloroethene	U	UJ	0.0200	0.100	1	05/22/2023 05:18	WG2064041
cis-1,2-Dichloroethene	0.253	J	0.0276	0.100	1	05/22/2023 05:18	WG2064041
trans-1,2-Dichloroethene	U	UJ	0.0572	0.200	1	05/22/2023 05:18	WG2064041
1,2-Dichloropropane	U	UJ	0.0508	0.200	1	05/22/2023 05:18	WG2064041

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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-Dichloropropene	U		0.0280	0.100	1	05/22/2023 05:18	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 05:18	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 05:18	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 05:18	WG2064041
2,2-Dichloropropane	U		0.0317	0.100	1	05/22/2023 05:18	WG2064041
Di-isopropyl ether	U		0.0140	0.0400	1	05/22/2023 05:18	WG2064041
Ethylbenzene	U		0.0212	0.100	1	05/22/2023 05:18	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 05:18	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 05:18	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 05:18	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 05:18	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 05:18	WG2064041
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/22/2023 05:18	WG2064041
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/22/2023 05:18	WG2064041
Naphthalene	U		0.124	0.500	1	05/22/2023 05:18	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 05:18	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 05:18	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 05:18	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 05:18	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/22/2023 05:18	WG2064041
Tetrachloroethene	U		0.0280	0.100	1	05/22/2023 05:18	WG2064041
Toluene	0.330	J	0.0500	0.200	1	05/22/2023 05:18	WG2064041
1,2,3-Trichlorobenzene	U	J4	0.0250	0.500	1	05/22/2023 05:18	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 05:18	WG2064041
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/22/2023 05:18	WG2064041
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/22/2023 05:18	WG2064041
Trichloroethene	0.0670	J	0.0160	0.0400	1	05/22/2023 05:18	WG2064041
Trichlorofluoromethane	U		0.0200	0.100	1	05/22/2023 05:18	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 05:18	WG2064041
1,2,4-Trimethylbenzene	0.0930	J J	0.0464	0.200	1	05/22/2023 05:18	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 05:18	WG2064041
1,3,5-Trimethylbenzene	0.0940	J J	0.0432	0.200	1	05/22/2023 05:18	WG2064041
Vinyl chloride	3.46	J	0.0273	0.100	1	05/22/2023 05:18	WG2064041
Xylenes, Total	0.406	J	0.191	0.260	1	05/22/2023 05:18	WG2064041
Ethyl Ether	U		0.0170	0.100	1	05/22/2023 05:18	WG2064041
Tetrahydrofuran	2.13	J	0.0900	0.500	1	05/22/2023 05:18	WG2064041
Iodomethane	U	C3 J4	0.242	0.500	1	05/22/2023 05:18	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 05:18	WG2064041
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/22/2023 05:18	WG2064041
(S) Toluene-d8	*109*			*75.0-131*		*05/22/2023 05:18*	WG2064041
(S) 4-Bromofluorobenzene	*80.1*			*67.0-138*		*05/22/2023 05:18*	WG2064041
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*05/22/2023 05:18*	WG2064041

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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	UJ	0.548	1.00	1	05/22/2023 05:37	WG2064041
Acrylonitrile	U	UJ	0.0760	0.500	1	05/22/2023 05:37	WG2064041
Benzene	56.1	J	0.0160	0.0400	1	05/22/2023 05:37	WG2064041
Bromobenzene	U	UJ	0.0420	0.500	1	05/22/2023 05:37	WG2064041
Bromodichloromethane	U		0.0315	0.100	1	05/22/2023 05:37	WG2064041
Bromoform	U		0.239	1.00	1	05/22/2023 05:37	WG2064041
Bromomethane	U		0.148	0.500	1	05/22/2023 05:37	WG2064041
n-Butylbenzene	U		0.153	0.500	1	05/22/2023 05:37	WG2064041
sec-Butylbenzene	U		0.101	0.500	1	05/22/2023 05:37	WG2064041
tert-Butylbenzene	U		0.0620	0.200	1	05/22/2023 05:37	WG2064041
Carbon tetrachloride	U		0.0432	0.200	1	05/22/2023 05:37	WG2064041
Chlorobenzene	U		0.0229	0.100	1	05/22/2023 05:37	WG2064041
Chlorodibromomethane	U		0.0180	0.100	1	05/22/2023 05:37	WG2064041
Chloroethane	U	UJ	0.0432	0.200	1	05/22/2023 05:37	WG2064041
Chloroform	0.550	J	0.0166	0.100	1	05/22/2023 05:37	WG2064041
Chloromethane	U	UJ	0.0556	0.500	1	05/22/2023 05:37	WG2064041
2-Chlorotoluene	U		0.0368	0.100	1	05/22/2023 05:37	WG2064041
4-Chlorotoluene	U		0.0452	0.200	1	05/22/2023 05:37	WG2064041
1,2-Dibromo-3-Chloropropane	U	J4	0.204	1.00	1	05/22/2023 05:37	WG2064041
1,2-Dibromoethane	U		0.0210	0.100	1	05/22/2023 05:37	WG2064041
Dibromomethane	U		0.0400	0.200	1	05/22/2023 05:37	WG2064041
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/22/2023 05:37	WG2064041
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/22/2023 05:37	WG2064041
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/22/2023 05:37	WG2064041
Dichlorodifluoromethane	U	UJ	0.0327	0.100	1	05/22/2023 05:37	WG2064041
1,1-Dichloroethane	0.361	J	0.0230	0.100	1	05/22/2023 05:37	WG2064041
1,2-Dichloroethane	1.10	J	0.0190	0.100	1	05/22/2023 05:37	WG2064041
1,1-Dichloroethene	U	UJ	0.0200	0.100	1	05/22/2023 05:37	WG2064041
cis-1,2-Dichloroethene	4.56	J	0.0276	0.100	1	05/22/2023 05:37	WG2064041
trans-1,2-Dichloroethene	0.0710	J	0.0572	0.200	1	05/22/2023 05:37	WG2064041
1,2-Dichloropropane	0.344	J	0.0508	0.200	1	05/22/2023 05:37	WG2064041
1,1-Dichloropropene	U	UJ	0.0280	0.100	1	05/22/2023 05:37	WG2064041
1,3-Dichloropropane	U		0.0700	0.200	1	05/22/2023 05:37	WG2064041
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/22/2023 05:37	WG2064041
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/22/2023 05:37	WG2064041
2,2-Dichloropropane	U	UJ	0.0317	0.100	1	05/22/2023 05:37	WG2064041
Di-isopropyl ether	0.158	J	0.0140	0.0400	1	05/22/2023 05:37	WG2064041
Ethylbenzene	U	UJ	0.0212	0.100	1	05/22/2023 05:37	WG2064041
Hexachloro-1,3-butadiene	U	J4	0.508	1.00	1	05/22/2023 05:37	WG2064041
Isopropylbenzene	U		0.0345	0.100	1	05/22/2023 05:37	WG2064041
p-Isopropyltoluene	U		0.0932	0.200	1	05/22/2023 05:37	WG2064041
2-Butanone (MEK)	U		0.500	1.00	1	05/22/2023 05:37	WG2064041
Methylene Chloride	U	C3 J3 J4	0.265	1.00	1	05/22/2023 05:37	WG2064041
4-Methyl-2-pentanone (MIBK)	U	UJ	0.400	1.00	1	05/22/2023 05:37	WG2064041
Methyl tert-butyl ether	0.0760	J	0.0118	0.0400	1	05/22/2023 05:37	WG2064041
Naphthalene	U	UJ	0.124	0.500	1	05/22/2023 05:37	WG2064041
n-Propylbenzene	U		0.0472	0.200	1	05/22/2023 05:37	WG2064041
Styrene	U		0.109	0.500	1	05/22/2023 05:37	WG2064041
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/22/2023 05:37	WG2064041
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/22/2023 05:37	WG2064041
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/22/2023 05:37	WG2064041
Tetrachloroethene	U	UJ	0.0280	0.100	1	05/22/2023 05:37	WG2064041
Toluene	0.199	J J	0.0500	0.200	1	05/22/2023 05:37	WG2064041
1,2,3-Trichlorobenzene	U	UJ J4	0.0250	0.500	1	05/22/2023 05:37	WG2064041
1,2,4-Trichlorobenzene	U	J4	0.193	0.500	1	05/22/2023 05:37	WG2064041
1,1,1-Trichloroethane	U	UJ	0.0110	0.100	1	05/22/2023 05:37	WG2064041

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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	UJ	0.0353	0.100	1	05/22/2023 05:37	WG2064041
Trichloroethene	U		0.0160	0.0400	1	05/22/2023 05:37	WG2064041
Trichlorofluoromethane	U		0.0200	0.100	1	05/22/2023 05:37	WG2064041
1,2,3-Trichloropropane	U		0.204	0.500	1	05/22/2023 05:37	WG2064041
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/22/2023 05:37	WG2064041
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/22/2023 05:37	WG2064041
1,3,5-Trimethylbenzene	U	UJ	0.0432	0.200	1	05/22/2023 05:37	WG2064041
Vinyl chloride	51.1	J	0.0273	0.100	1	05/22/2023 05:37	WG2064041
Xylenes, Total	U	UJ	0.191	0.260	1	05/22/2023 05:37	WG2064041
Ethyl Ether	0.218	J	0.0170	0.100	1	05/22/2023 05:37	WG2064041
Tetrahydrofuran	0.261	J J	0.0900	0.500	1	05/22/2023 05:37	WG2064041
Iodomethane	U	UJ C3 J4	0.242	0.500	1	05/22/2023 05:37	WG2064041
Allyl chloride	U		0.580	1.00	1	05/22/2023 05:37	WG2064041
Trans-1,4-Dichloro-2-butene	U	UJ	0.0560	0.200	1	05/22/2023 05:37	WG2064041
(S) Toluene-d8	*107*			*75.0-131*		*05/22/2023 05:37*	WG2064041
(S) 4-Bromofluorobenzene	*84.5*			*67.0-138*		*05/22/2023 05:37*	WG2064041
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*05/22/2023 05:37*	WG2064041

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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
Acetone	1.59 J-	C3 J3	0.548	1.00	1	05/25/2023 09:03	WG2066129
Acrylonitrile	U UJ	J3	0.0760	0.500	1	05/25/2023 09:03	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 09:03	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 09:03	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 09:03	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 09:03	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 09:03	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 09:03	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 09:03	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 09:03	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 09:03	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 09:03	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 09:03	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 09:03	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 09:03	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 09:03	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 09:03	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 09:03	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 09:03	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 09:03	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 09:03	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 09:03	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 09:03	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 09:03	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 09:03	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 09:03	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 09:03	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 09:03	WG2066129
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/25/2023 09:03	WG2066129
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 09:03	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 09:03	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 09:03	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 09:03	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 09:03	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 09:03	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 09:03	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 09:03	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 09:03	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 09:03	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 09:03	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 09:03	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 09:03	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 09:03	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 09:03	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 09:03	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 09:03	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 09:03	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 09:03	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 09:03	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 09:03	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 09:03	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 09:03	WG2066129
Toluene	U		0.0500	0.200	1	05/25/2023 09:03	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 09:03	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 09:03	WG2066129
1,1,1-Trichloroethane	U UJ		0.0110	0.100	1	05/25/2023 09:03	WG2066129

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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	UJ	0.0353	0.100	1	05/25/2023 09:03	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 09:03	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 09:03	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 09:03	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 09:03	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 09:03	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 09:03	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 09:03	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 09:03	WG2066129
Ethyl Ether	U	UJ	0.0170	0.100	1	05/25/2023 09:03	WG2066129
Tetrahydrofuran	0.689	J-	C3 J3	0.0900	0.500	1	05/25/2023 09:03	WG2066129
Iodomethane	U	UJ		0.242	0.500	1	05/25/2023 09:03	WG2066129
Allyl chloride	U			0.580	1.00	1	05/25/2023 09:03	WG2066129
Trans-1,4-Dichloro-2-butene	U	UJ	C3	0.0560	0.200	1	05/25/2023 09:03	WG2066129
(S) Toluene-d8	*104*				*75.0-131*		*05/25/2023 09:03*	WG2066129
(S) 4-Bromofluorobenzene	*108*				*67.0-138*		*05/25/2023 09:03*	WG2066129
(S) 1,2-Dichloroethane-d4	*107*				*70.0-130*		*05/25/2023 09:03*	WG2066129

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		59400	500000	100	05/24/2023 02:51	WG2065198

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)	14100		102	1000	1	05/30/2023 14:30	WG2065458

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9490		28.1	100	1	05/24/2023 22:18	WG2062611
Manganese	5420		0.704	5.00	1	05/24/2023 22:18	WG2062611

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5570		0.287	0.678	1	05/25/2023 11:54	WG2065642
Ethane	10.8		0.296	1.29	1	05/25/2023 11:54	WG2065642
Ethene	2.25		0.422	1.27	1	05/25/2023 11:54	WG2065642

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.94 J-	C3 J3	0.548	1.00	1	05/25/2023 09:41	WG2066129
Acrylonitrile	U UJ	J3	0.0760	0.500	1	05/25/2023 09:41	WG2066129
Benzene	0.211 J		0.0160	0.0400	1	05/25/2023 09:41	WG2066129
Bromobenzene	U UJ		0.0420	0.500	1	05/25/2023 09:41	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 09:41	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 09:41	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 09:41	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 09:41	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 09:41	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 09:41	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 09:41	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 09:41	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 09:41	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 09:41	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 09:41	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 09:41	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 09:41	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 09:41	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 09:41	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 09:41	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 09:41	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 09:41	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 09:41	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 09:41	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 09:41	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 09:41	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 09:41	WG2066129
1,1-Dichloroethene	U UJ		0.0200	0.100	1	05/25/2023 09:41	WG2066129
cis-1,2-Dichloroethene	22.5 J		0.0276	0.100	1	05/25/2023 09:41	WG2066129
trans-1,2-Dichloroethene	U UJ		0.0572	0.200	1	05/25/2023 09:41	WG2066129
1,2-Dichloropropane	U UJ		0.0508	0.200	1	05/25/2023 09:41	WG2066129

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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	
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 09:41	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 09:41	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 09:41	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 09:41	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 09:41	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 09:41	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 09:41	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 09:41	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 09:41	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 09:41	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 09:41	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 09:41	WG2066129
4-Methyl-2-pentanone (MIBK)	0.415	J	0.400	1.00	1	05/25/2023 09:41	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 09:41	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 09:41	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 09:41	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 09:41	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 09:41	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 09:41	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 09:41	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 09:41	WG2066129
Toluene	U		0.0500	0.200	1	05/25/2023 09:41	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 09:41	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 09:41	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 09:41	WG2066129
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 09:41	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 09:41	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 09:41	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 09:41	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 09:41	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 09:41	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 09:41	WG2066129
Vinyl chloride	25.1		0.0273	0.100	1	05/25/2023 09:41	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 09:41	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 09:41	WG2066129
Tetrahydrofuran	0.840	C3 J3	0.0900	0.500	1	05/25/2023 09:41	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 09:41	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 09:41	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 09:41	WG2066129
(S) Toluene-d8	*102*			*75.0-131*		*05/25/2023 09:41*	WG2066129
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/25/2023 09:41*	WG2066129
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*05/25/2023 09:41*	WG2066129

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	966 J	J	594	5000	1	05/23/2023 23:56	WG2065411

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	47400 J		204	2000	2	05/30/2023 14:50	WG2065458

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	36600		28.1	100	1	05/24/2023 23:05	WG2062611
Manganese	11100		0.704	5.00	1	05/24/2023 23:05	WG2062611

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	11300 J		2.87	6.78	10	05/25/2023 16:05	WG2066702
Ethane	237 J		0.296	1.29	1	05/25/2023 12:02	WG2065642
Ethene	255 J		0.422	1.27	1	05/25/2023 12:02	WG2065642

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	6.61 J-	C3 J3	0.548	1.00	1	05/25/2023 10:01	WG2066129
Acrylonitrile	U UJ	J3	0.0760	0.500	1	05/25/2023 10:01	WG2066129
Benzene	0.0750 J		0.0160	0.0400	1	05/25/2023 10:01	WG2066129
Bromobenzene	U UJ		0.0420	0.500	1	05/25/2023 10:01	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 10:01	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 10:01	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 10:01	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 10:01	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 10:01	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 10:01	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 10:01	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 10:01	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 10:01	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 10:01	WG2066129
Chloroform	U UJ		0.0166	0.100	1	05/25/2023 10:01	WG2066129
Chloromethane	3.78 J		0.0556	0.500	1	05/25/2023 10:01	WG2066129
2-Chlorotoluene	U UJ		0.0368	0.100	1	05/25/2023 10:01	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 10:01	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 10:01	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 10:01	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 10:01	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 10:01	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 10:01	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 10:01	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 10:01	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 10:01	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 10:01	WG2066129
1,1-Dichloroethene	U UJ		0.0200	0.100	1	05/25/2023 10:01	WG2066129
cis-1,2-Dichloroethene	330 J		0.276	1.00	10	05/30/2023 17:43	WG2068671
trans-1,2-Dichloroethene	5.04 J		0.0572	0.200	1	05/25/2023 10:01	WG2066129
1,2-Dichloropropane	U UJ		0.0508	0.200	1	05/25/2023 10:01	WG2066129

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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	
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 10:01	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 10:01	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 10:01	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 10:01	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 10:01	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 10:01	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 10:01	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 10:01	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 10:01	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 10:01	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 10:01	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 10:01	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 10:01	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 10:01	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 10:01	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 10:01	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 10:01	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 10:01	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 10:01	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 10:01	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 10:01	WG2066129
Toluene	0.183	J	0.0500	0.200	1	05/25/2023 10:01	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 10:01	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 10:01	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 10:01	WG2066129
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 10:01	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 10:01	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 10:01	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 10:01	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 10:01	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 10:01	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 10:01	WG2066129
Vinyl chloride	524	C5	0.273	1.00	10	05/30/2023 17:43	WG2068671
Xylenes, Total	U		0.191	0.260	1	05/25/2023 10:01	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 10:01	WG2066129
Tetrahydrofuran	1.97	C3 J3	0.0900	0.500	1	05/25/2023 10:01	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 10:01	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 10:01	WG2066129
Trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	05/25/2023 10:01	WG2066129
(S) Toluene-d8	*105*			*75.0-131*		*05/25/2023 10:01*	WG2066129
(S) Toluene-d8	*108*			*75.0-131*		*05/30/2023 17:43*	WG2068671
(S) 4-Bromofluorobenzene	*97.9*			*67.0-138*		*05/25/2023 10:01*	WG2066129
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/30/2023 17:43*	WG2068671
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/25/2023 10:01*	WG2066129
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*05/30/2023 17:43*	WG2068671

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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
Acetone	2.38 J-	C3 J3	0.548	1.00	1	05/25/2023 09:22	WG2066129
Acrylonitrile	U UJ	J3	0.0760	0.500	1	05/25/2023 09:22	WG2066129
Benzene	0.0240 J	J	0.0160	0.0400	1	05/25/2023 09:22	WG2066129
Bromobenzene	U UJ		0.0420	0.500	1	05/25/2023 09:22	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 09:22	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 09:22	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 09:22	WG2066129
n-Butylbenzene	U	C3	0.153	0.500	1	05/25/2023 09:22	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 09:22	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 09:22	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 09:22	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 09:22	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 09:22	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 09:22	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 09:22	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 09:22	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 09:22	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 09:22	WG2066129
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	05/25/2023 09:22	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 09:22	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 09:22	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 09:22	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 09:22	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 09:22	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 09:22	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 09:22	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 09:22	WG2066129
1,1-Dichloroethene	U UJ		0.0200	0.100	1	05/25/2023 09:22	WG2066129
cis-1,2-Dichloroethene	0.197 J		0.0276	0.100	1	05/25/2023 09:22	WG2066129
trans-1,2-Dichloroethene	U UJ		0.0572	0.200	1	05/25/2023 09:22	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 09:22	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 09:22	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 09:22	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 09:22	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 09:22	WG2066129
2,2-Dichloropropane	U	C3	0.0317	0.100	1	05/25/2023 09:22	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 09:22	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 09:22	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 09:22	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 09:22	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 09:22	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 09:22	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 09:22	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 09:22	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 09:22	WG2066129
Naphthalene	U	C3 J4	0.124	0.500	1	05/25/2023 09:22	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 09:22	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 09:22	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 09:22	WG2066129
1,1,2,2-Tetrachloroethane	U	C3	0.0156	0.100	1	05/25/2023 09:22	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 09:22	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 09:22	WG2066129
Toluene	U		0.0500	0.200	1	05/25/2023 09:22	WG2066129
1,2,3-Trichlorobenzene	U	C3	0.0250	0.500	1	05/25/2023 09:22	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 09:22	WG2066129
1,1,1-Trichloroethane	U UJ		0.0110	0.100	1	05/25/2023 09:22	WG2066129

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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	UJ	0.0353	0.100	1	05/25/2023 09:22	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 09:22	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 09:22	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 09:22	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 09:22	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 09:22	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 09:22	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 09:22	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 09:22	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 09:22	WG2066129
Tetrahydrofuran	U	C3 J3	0.0900	0.500	1	05/25/2023 09:22	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 09:22	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 09:22	WG2066129
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/25/2023 09:22	WG2066129
(S) Toluene-d8	*108*			*75.0-131*		*05/25/2023 09:22*	WG2066129
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*05/25/2023 09:22*	WG2066129
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/25/2023 09:22*	WG2066129

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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
Acetone	1.97 J-		0.548	1.00	1	05/30/2023 18:02	WG2068671
Acrylonitrile	U UJ	C3	0.0760	0.500	1	05/30/2023 18:02	WG2068671
Benzene	0.0600 J		0.0160	0.0400	1	05/30/2023 18:02	WG2068671
Bromobenzene	U UJ		0.0420	0.500	1	05/30/2023 18:02	WG2068671
Bromodichloromethane	U		0.0315	0.100	1	05/30/2023 18:02	WG2068671
Bromoform	U		0.239	1.00	1	05/30/2023 18:02	WG2068671
Bromomethane	U	J4	0.148	0.500	1	05/30/2023 18:02	WG2068671
n-Butylbenzene	U		0.153	0.500	1	05/30/2023 18:02	WG2068671
sec-Butylbenzene	U		0.101	0.500	1	05/30/2023 18:02	WG2068671
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2023 18:02	WG2068671
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2023 18:02	WG2068671
Chlorobenzene	U		0.0229	0.100	1	05/30/2023 18:02	WG2068671
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2023 18:02	WG2068671
Chloroethane	U		0.0432	0.200	1	05/30/2023 18:02	WG2068671
Chloroform	U		0.0166	0.100	1	05/30/2023 18:02	WG2068671
Chloromethane	U		0.0556	0.500	1	05/30/2023 18:02	WG2068671
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2023 18:02	WG2068671
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2023 18:02	WG2068671
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/30/2023 18:02	WG2068671
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2023 18:02	WG2068671
Dibromomethane	U		0.0400	0.200	1	05/30/2023 18:02	WG2068671
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2023 18:02	WG2068671
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2023 18:02	WG2068671
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2023 18:02	WG2068671
Dichlorodifluoromethane	U		0.0327	0.100	1	05/30/2023 18:02	WG2068671
1,1-Dichloroethane	U		0.0230	0.100	1	05/30/2023 18:02	WG2068671
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2023 18:02	WG2068671
1,1-Dichloroethene	U UJ		0.0200	0.100	1	05/30/2023 18:02	WG2068671
cis-1,2-Dichloroethene	5.76 J		0.0276	0.100	1	05/30/2023 18:02	WG2068671
trans-1,2-Dichloroethene	0.0970 J	J	0.0572	0.200	1	05/30/2023 18:02	WG2068671
1,2-Dichloropropane	U UJ		0.0508	0.200	1	05/30/2023 18:02	WG2068671
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2023 18:02	WG2068671
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2023 18:02	WG2068671
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2023 18:02	WG2068671
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2023 18:02	WG2068671
2,2-Dichloropropane	U	J4	0.0317	0.100	1	05/30/2023 18:02	WG2068671
Di-isopropyl ether	U	C3	0.0140	0.0400	1	05/30/2023 18:02	WG2068671
Ethylbenzene	U		0.0212	0.100	1	05/30/2023 18:02	WG2068671
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2023 18:02	WG2068671
Isopropylbenzene	U	J4	0.0345	0.100	1	05/30/2023 18:02	WG2068671
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2023 18:02	WG2068671
2-Butanone (MEK)	U	C3	0.500	1.00	1	05/30/2023 18:02	WG2068671
Methylene Chloride	U		0.265	1.00	1	05/30/2023 18:02	WG2068671
4-Methyl-2-pentanone (MIBK)	U	C3	0.400	1.00	1	05/30/2023 18:02	WG2068671
Methyl tert-butyl ether	U UJ		0.0118	0.0400	1	05/30/2023 18:02	WG2068671
Naphthalene	0.498 J	J	0.124	0.500	1	05/30/2023 18:02	WG2068671
n-Propylbenzene	0.0590 J	J	0.0472	0.200	1	05/30/2023 18:02	WG2068671
Styrene	U UJ		0.109	0.500	1	05/30/2023 18:02	WG2068671
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2023 18:02	WG2068671
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2023 18:02	WG2068671
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2023 18:02	WG2068671
Tetrachloroethene	U		0.0280	0.100	1	05/30/2023 18:02	WG2068671
Toluene	U		0.0500	0.200	1	05/30/2023 18:02	WG2068671
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/30/2023 18:02	WG2068671
1,2,4-Trichlorobenzene	U	C3	0.193	0.500	1	05/30/2023 18:02	WG2068671
1,1,1-Trichloroethane	U UJ	J4	0.0110	0.100	1	05/30/2023 18:02	WG2068671

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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	UJ	0.0353	0.100	1	05/30/2023 18:02	WG2068671
Trichloroethene	0.135	J	0.0160	0.0400	1	05/30/2023 18:02	WG2068671
Trichlorofluoromethane	U	UJ J4	0.0200	0.100	1	05/30/2023 18:02	WG2068671
1,2,3-Trichloropropane	U	UJ	0.204	0.500	1	05/30/2023 18:02	WG2068671
1,2,4-Trimethylbenzene	0.332	J	0.0464	0.200	1	05/30/2023 18:02	WG2068671
1,2,3-Trimethylbenzene	0.100	J J	0.0460	0.200	1	05/30/2023 18:02	WG2068671
1,3,5-Trimethylbenzene	0.170	J J	0.0432	0.200	1	05/30/2023 18:02	WG2068671
Vinyl chloride	1.19	J+ C5	0.0273	0.100	1	05/30/2023 18:02	WG2068671
Xylenes, Total	U	UJ	0.191	0.260	1	05/30/2023 18:02	WG2068671
Ethyl Ether	U	UJ	0.0170	0.100	1	05/30/2023 18:02	WG2068671
Tetrahydrofuran	0.381	J C3 J	0.0900	0.500	1	05/30/2023 18:02	WG2068671
Iodomethane	U	UJ	0.242	0.500	1	05/30/2023 18:02	WG2068671
Allyl chloride	U	UJ	0.580	1.00	1	05/30/2023 18:02	WG2068671
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/30/2023 18:02	WG2068671
(S) Toluene-d8	*102*			*75.0-131*		*05/30/2023 18:02*	WG2068671
(S) 4-Bromofluorobenzene	*126*			*67.0-138*		*05/30/2023 18:02*	WG2068671
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*		*05/30/2023 18:02*	WG2068671

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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
Acetone	1.33	U	~~C3 J3~~	0.548	1.00	1	05/25/2023 10:20	WG2066129
Acrylonitrile	U		~~J3~~	0.0760	0.500	1	05/25/2023 10:20	WG2066129
Benzene	U			0.0160	0.0400	1	05/25/2023 10:20	WG2066129
Bromobenzene	U			0.0420	0.500	1	05/25/2023 10:20	WG2066129
Bromodichloromethane	U			0.0315	0.100	1	05/25/2023 10:20	WG2066129
Bromoform	U			0.239	1.00	1	05/25/2023 10:20	WG2066129
Bromomethane	U			0.148	0.500	1	05/25/2023 10:20	WG2066129
n-Butylbenzene	U	UJ	C3	0.153	0.500	1	05/25/2023 10:20	WG2066129
sec-Butylbenzene	U			0.101	0.500	1	05/25/2023 10:20	WG2066129
tert-Butylbenzene	U			0.0620	0.200	1	05/25/2023 10:20	WG2066129
Carbon tetrachloride	U			0.0432	0.200	1	05/25/2023 10:20	WG2066129
Chlorobenzene	U			0.0229	0.100	1	05/25/2023 10:20	WG2066129
Chlorodibromomethane	U			0.0180	0.100	1	05/25/2023 10:20	WG2066129
Chloroethane	U			0.0432	0.200	1	05/25/2023 10:20	WG2066129
Chloroform	U			0.0166	0.100	1	05/25/2023 10:20	WG2066129
Chloromethane	U			0.0556	0.500	1	05/25/2023 10:20	WG2066129
2-Chlorotoluene	U			0.0368	0.100	1	05/25/2023 10:20	WG2066129
4-Chlorotoluene	U			0.0452	0.200	1	05/25/2023 10:20	WG2066129
1,2-Dibromo-3-Chloropropane	U	UJ	C3	0.204	1.00	1	05/25/2023 10:20	WG2066129
1,2-Dibromoethane	U			0.0210	0.100	1	05/25/2023 10:20	WG2066129
Dibromomethane	U			0.0400	0.200	1	05/25/2023 10:20	WG2066129
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/25/2023 10:20	WG2066129
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/25/2023 10:20	WG2066129
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/25/2023 10:20	WG2066129
Dichlorodifluoromethane	U			0.0327	0.100	1	05/25/2023 10:20	WG2066129
1,1-Dichloroethane	U			0.0230	0.100	1	05/25/2023 10:20	WG2066129
1,2-Dichloroethane	U			0.0190	0.100	1	05/25/2023 10:20	WG2066129
1,1-Dichloroethene	0.773			0.0200	0.100	1	05/25/2023 10:20	WG2066129
cis-1,2-Dichloroethene	19.5			0.0276	0.100	1	05/29/2023 12:05	WG2067921
trans-1,2-Dichloroethene	0.271			0.0572	0.200	1	05/25/2023 10:20	WG2066129
1,2-Dichloropropane	U			0.0508	0.200	1	05/25/2023 10:20	WG2066129
1,1-Dichloropropene	U			0.0280	0.100	1	05/25/2023 10:20	WG2066129
1,3-Dichloropropane	U			0.0700	0.200	1	05/25/2023 10:20	WG2066129
cis-1,3-Dichloropropene	U			0.0271	0.100	1	05/25/2023 10:20	WG2066129
trans-1,3-Dichloropropene	U			0.0612	0.200	1	05/25/2023 10:20	WG2066129
2,2-Dichloropropane	U	UJ	C3	0.0317	0.100	1	05/25/2023 10:20	WG2066129
Di-isopropyl ether	U			0.0140	0.0400	1	05/25/2023 10:20	WG2066129
Ethylbenzene	U			0.0212	0.100	1	05/25/2023 10:20	WG2066129
Hexachloro-1,3-butadiene	U			0.508	1.00	1	05/25/2023 10:20	WG2066129
Isopropylbenzene	U			0.0345	0.100	1	05/25/2023 10:20	WG2066129
p-Isopropyltoluene	U			0.0932	0.200	1	05/25/2023 10:20	WG2066129
2-Butanone (MEK)	U			0.500	1.00	1	05/25/2023 10:20	WG2066129
Methylene Chloride	U			0.265	1.00	1	05/25/2023 10:20	WG2066129
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	05/25/2023 10:20	WG2066129
Methyl tert-butyl ether	U			0.0118	0.0400	1	05/25/2023 10:20	WG2066129
Naphthalene	U	UJ	C3 J4	0.124	0.500	1	05/25/2023 10:20	WG2066129
n-Propylbenzene	U			0.0472	0.200	1	05/25/2023 10:20	WG2066129
Styrene	U			0.109	0.500	1	05/25/2023 10:20	WG2066129
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	05/25/2023 10:20	WG2066129
1,1,2,2-Tetrachloroethane	U	UJ	C3	0.0156	0.100	1	05/25/2023 10:20	WG2066129
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	05/25/2023 10:20	WG2066129
Tetrachloroethene	0.604			0.0280	0.100	1	05/25/2023 10:20	WG2066129
Toluene	0.102		J	0.0500	0.200	1	05/25/2023 10:20	WG2066129
1,2,3-Trichlorobenzene	U	UJ	C3	0.0250	0.500	1	05/25/2023 10:20	WG2066129
1,2,4-Trichlorobenzene	U			0.193	0.500	1	05/25/2023 10:20	WG2066129
1,1,1-Trichloroethane	U			0.0110	0.100	1	05/25/2023 10:20	WG2066129

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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	05/25/2023 10:20	WG2066129
Trichloroethene	3.18			0.0160	0.0400	1	05/25/2023 10:20	WG2066129
Trichlorofluoromethane	U			0.0200	0.100	1	05/25/2023 10:20	WG2066129
1,2,3-Trichloropropane	U			0.204	0.500	1	05/25/2023 10:20	WG2066129
1,2,4-Trimethylbenzene	U			0.0464	0.200	1	05/25/2023 10:20	WG2066129
1,2,3-Trimethylbenzene	U			0.0460	0.200	1	05/25/2023 10:20	WG2066129
1,3,5-Trimethylbenzene	U			0.0432	0.200	1	05/25/2023 10:20	WG2066129
Vinyl chloride	1.68			0.0273	0.100	1	05/29/2023 12:05	WG2067921
Xylenes, Total	U			0.191	0.260	1	05/25/2023 10:20	WG2066129
Ethyl Ether	U			0.0170	0.100	1	05/25/2023 10:20	WG2066129
Tetrahydrofuran	U	UJ	C3 ~~J3~~	0.0900	0.500	1	05/25/2023 10:20	WG2066129
Iodomethane	U			0.242	0.500	1	05/25/2023 10:20	WG2066129
Allyl chloride	U			0.580	1.00	1	05/25/2023 10:20	WG2066129
Trans-1,4-Dichloro-2-butene	U	UJ	C3	0.0560	0.200	1	05/25/2023 10:20	WG2066129
(S) Toluene-d8	*106*				*75.0-131*		*05/25/2023 10:20*	WG2066129
(S) Toluene-d8	*104*				*75.0-131*		*05/29/2023 12:05*	WG2067921
(S) 4-Bromofluorobenzene	*98.8*				*67.0-138*		*05/25/2023 10:20*	WG2066129
(S) 4-Bromofluorobenzene	*106*				*67.0-138*		*05/29/2023 12:05*	WG2067921
(S) 1,2-Dichloroethane-d4	*107*				*70.0-130*		*05/25/2023 10:20*	WG2066129
(S) 1,2-Dichloroethane-d4	*99.3*				*70.0-130*		*05/29/2023 12:05*	WG2067921

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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
Acetone	2.46 U	~~C3 J3~~	0.548	1.00	1	05/25/2023 10:39	WG2066129
Acrylonitrile	U UJ	~~J3~~	0.0760	0.500	1	05/25/2023 10:39	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 10:39	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 10:39	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 10:39	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 10:39	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 10:39	WG2066129
n-Butylbenzene	U UJ	C3	0.153	0.500	1	05/25/2023 10:39	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 10:39	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 10:39	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 10:39	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 10:39	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 10:39	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 10:39	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 10:39	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 10:39	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 10:39	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 10:39	WG2066129
1,2-Dibromo-3-Chloropropane	U UJ	C3	0.204	1.00	1	05/25/2023 10:39	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 10:39	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 10:39	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 10:39	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 10:39	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 10:39	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 10:39	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 10:39	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 10:39	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 10:39	WG2066129
cis-1,2-Dichloroethene	0.600		0.0276	0.100	1	05/29/2023 12:24	WG2067921
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 10:39	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 10:39	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 10:39	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 10:39	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 10:39	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 10:39	WG2066129
2,2-Dichloropropane	U UJ	C3	0.0317	0.100	1	05/25/2023 10:39	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 10:39	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 10:39	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 10:39	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 10:39	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 10:39	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 10:39	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 10:39	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 10:39	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 10:39	WG2066129
Naphthalene	U UJ	C3 ~~J4~~	0.124	0.500	1	05/25/2023 10:39	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 10:39	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 10:39	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 10:39	WG2066129
1,1,2,2-Tetrachloroethane	U UJ	C3	0.0156	0.100	1	05/25/2023 10:39	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 10:39	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 10:39	WG2066129
Toluene	0.309		0.0500	0.200	1	05/25/2023 10:39	WG2066129
1,2,3-Trichlorobenzene	U UJ	C3	0.0250	0.500	1	05/25/2023 10:39	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 10:39	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 10:39	WG2066129

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 10:39	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 10:39	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 10:39	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 10:39	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 10:39	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 10:39	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 10:39	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 10:39	WG2066129
Xylenes, Total	0.530		0.191	0.260	1	05/25/2023 10:39	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 10:39	WG2066129
Tetrahydrofuran	U	UJ C3 ~~J3~~	0.0900	0.500	1	05/25/2023 10:39	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 10:39	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 10:39	WG2066129
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/25/2023 10:39	WG2066129
(S) Toluene-d8	*106*			*75.0-131*		*05/25/2023 10:39*	WG2066129
(S) Toluene-d8	*105*			*75.0-131*		*05/29/2023 12:24*	WG2067921
(S) 4-Bromofluorobenzene	*99.8*			*67.0-138*		*05/25/2023 10:39*	WG2066129
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/29/2023 12:24*	WG2067921
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/25/2023 10:39*	WG2066129
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*05/29/2023 12:24*	WG2067921

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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	16.8 J-	C3 ~~J3~~	0.548	1.00	1	05/25/2023 10:58	WG2066129
Acrylonitrile	U UJ	~~J3~~	0.0760	0.500	1	05/25/2023 10:58	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 10:58	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 10:58	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 10:58	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 10:58	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 10:58	WG2066129
n-Butylbenzene	U UJ	C3	0.153	0.500	1	05/25/2023 10:58	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 10:58	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 10:58	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 10:58	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 10:58	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 10:58	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 10:58	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 10:58	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 10:58	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 10:58	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 10:58	WG2066129
1,2-Dibromo-3-Chloropropane	U UJ	C3	0.204	1.00	1	05/25/2023 10:58	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 10:58	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 10:58	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 10:58	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 10:58	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 10:58	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 10:58	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 10:58	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 10:58	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 10:58	WG2066129
cis-1,2-Dichloroethene	6.66		0.0276	0.100	1	05/25/2023 10:58	WG2066129
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 10:58	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 10:58	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 10:58	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 10:58	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 10:58	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 10:58	WG2066129
2,2-Dichloropropane	U UJ	C3	0.0317	0.100	1	05/25/2023 10:58	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 10:58	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 10:58	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 10:58	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 10:58	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 10:58	WG2066129
2-Butanone (MEK)	2.68		0.500	1.00	1	05/25/2023 10:58	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 10:58	WG2066129
4-Methyl-2-pentanone (MIBK)	0.449	J	0.400	1.00	1	05/25/2023 10:58	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 10:58	WG2066129
Naphthalene	U UJ	C3 ~~J4~~	0.124	0.500	1	05/25/2023 10:58	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 10:58	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 10:58	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 10:58	WG2066129
1,1,2,2-Tetrachloroethane	U UJ	C3	0.0156	0.100	1	05/25/2023 10:58	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 10:58	WG2066129
Tetrachloroethene	0.189		0.0280	0.100	1	05/25/2023 10:58	WG2066129
Toluene	0.438		0.0500	0.200	1	05/25/2023 10:58	WG2066129
1,2,3-Trichlorobenzene	U UJ	C3	0.0250	0.500	1	05/25/2023 10:58	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 10:58	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 10:58	WG2066129

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 10:58	WG2066129
Trichloroethene	0.729		0.0160	0.0400	1	05/25/2023 10:58	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 10:58	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 10:58	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 10:58	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 10:58	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 10:58	WG2066129
Vinyl chloride	3.87		0.0273	0.100	1	05/25/2023 10:58	WG2066129
Xylenes, Total	0.452		0.191	0.260	1	05/25/2023 10:58	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 10:58	WG2066129
Tetrahydrofuran	17.7	J- C3 ~~J3~~	0.0900	0.500	1	05/25/2023 10:58	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 10:58	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 10:58	WG2066129
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/25/2023 10:58	WG2066129
(S) Toluene-d8	*106*			*75.0-131*		*05/25/2023 10:58*	WG2066129
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*05/25/2023 10:58*	WG2066129
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/25/2023 10:58*	WG2066129

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	26300		594	5000	1	05/24/2023 05:43	WG2065411

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2330		102	1000	1	05/26/2023 00:43	WG2066225

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	268		28.1	100	1	05/24/2023 22:44	WG2062611
Manganese	277		0.704	5.00	1	05/24/2023 22:44	WG2062611

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	345		2.91	10.0	1	05/25/2023 15:53	WG2065652
Ethane	U		4.07	13.0	1	05/25/2023 15:53	WG2065652
Ethene	U		4.26	13.0	1	05/25/2023 15:53	WG2065652

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3 ~~J3~~	0.548	1.00	1	05/25/2023 11:17	WG2066129
Acrylonitrile	U	UJ ~~J3~~	0.0760	0.500	1	05/25/2023 11:17	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 11:17	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 11:17	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 11:17	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 11:17	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 11:17	WG2066129
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/25/2023 11:17	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 11:17	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 11:17	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 11:17	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 11:17	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 11:17	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 11:17	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 11:17	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 11:17	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 11:17	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 11:17	WG2066129
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/25/2023 11:17	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 11:17	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 11:17	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 11:17	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 11:17	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 11:17	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 11:17	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 11:17	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 11:17	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 11:17	WG2066129
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/25/2023 11:17	WG2066129
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 11:17	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 11:17	WG2066129

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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-Dichloropropene	U		0.0280	0.100	1	05/25/2023 11:17	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 11:17	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 11:17	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 11:17	WG2066129
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	05/25/2023 11:17	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 11:17	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 11:17	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 11:17	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 11:17	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 11:17	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 11:17	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 11:17	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 11:17	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 11:17	WG2066129
Naphthalene	U	UJ C3 ~~J4~~	0.124	0.500	1	05/25/2023 11:17	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 11:17	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 11:17	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 11:17	WG2066129
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/25/2023 11:17	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 11:17	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 11:17	WG2066129
Toluene	0.261		0.0500	0.200	1	05/25/2023 11:17	WG2066129
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/25/2023 11:17	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 11:17	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 11:17	WG2066129
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 11:17	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 11:17	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 11:17	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 11:17	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 11:17	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 11:17	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 11:17	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 11:17	WG2066129
Xylenes, Total	0.364		0.191	0.260	1	05/25/2023 11:17	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 11:17	WG2066129
Tetrahydrofuran	U	UJ C3 ~~J3~~	0.0900	0.500	1	05/25/2023 11:17	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 11:17	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 11:17	WG2066129
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/25/2023 11:17	WG2066129
(S) Toluene-d8	*103*			*75.0-131*		*05/25/2023 11:17*	WG2066129
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/25/2023 11:17*	WG2066129
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/25/2023 11:17*	WG2066129

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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
Acetone	13.1 J-	C3 ~~J3~~	0.548	1.00	1	05/25/2023 11:36	WG2066129
Acrylonitrile	U UJ	~~J3~~	0.0760	0.500	1	05/25/2023 11:36	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 11:36	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 11:36	WG2066129
Bromodichloromethane	0.261		0.0315	0.100	1	05/25/2023 11:36	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 11:36	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 11:36	WG2066129
n-Butylbenzene	U UJ	C3	0.153	0.500	1	05/25/2023 11:36	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 11:36	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 11:36	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 11:36	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 11:36	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 11:36	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 11:36	WG2066129
Chloroform	4.09		0.0166	0.100	1	05/25/2023 11:36	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 11:36	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 11:36	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 11:36	WG2066129
1,2-Dibromo-3-Chloropropane	U UJ	C3	0.204	1.00	1	05/25/2023 11:36	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 11:36	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 11:36	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 11:36	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 11:36	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 11:36	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 11:36	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 11:36	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 11:36	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 11:36	WG2066129
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/25/2023 11:36	WG2066129
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 11:36	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 11:36	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 11:36	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 11:36	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 11:36	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 11:36	WG2066129
2,2-Dichloropropane	U UJ	C3	0.0317	0.100	1	05/25/2023 11:36	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 11:36	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 11:36	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 11:36	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 11:36	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 11:36	WG2066129
2-Butanone (MEK)	3.52		0.500	1.00	1	05/25/2023 11:36	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 11:36	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 11:36	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 11:36	WG2066129
Naphthalene	U UJ	C3 ~~J4~~	0.124	0.500	1	05/25/2023 11:36	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 11:36	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 11:36	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 11:36	WG2066129
1,1,2,2-Tetrachloroethane	U UJ	C3	0.0156	0.100	1	05/25/2023 11:36	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 11:36	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 11:36	WG2066129
Toluene	0.756		0.0500	0.200	1	05/25/2023 11:36	WG2066129
1,2,3-Trichlorobenzene	U UJ	C3	0.0250	0.500	1	05/25/2023 11:36	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 11:36	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 11:36	WG2066129

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 11:36	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 11:36	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 11:36	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 11:36	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 11:36	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 11:36	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 11:36	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 11:36	WG2066129
Xylenes, Total	0.468		0.191	0.260	1	05/25/2023 11:36	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 11:36	WG2066129
Tetrahydrofuran	U	UJ C3 ~~J3~~	0.0900	0.500	1	05/25/2023 11:36	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 11:36	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 11:36	WG2066129
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/25/2023 11:36	WG2066129
(S) Toluene-d8	*105*			*75.0-131*		*05/25/2023 11:36*	WG2066129
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/25/2023 11:36*	WG2066129
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/25/2023 11:36*	WG2066129

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	869	J	594	5000	1	05/24/2023 01:39	WG2065420

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5830		102	1000	1	05/26/2023 01:04	WG2066225

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	3430		28.1	100	1	05/24/2023 22:55	WG2062611
Manganese	1460		0.704	5.00	1	05/24/2023 22:55	WG2062611

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	12000		29.1	100	10	05/26/2023 11:03	WG2067033
Ethane	55.8		4.07	13.0	1	05/25/2023 15:57	WG2065652
Ethene	U		4.26	13.0	1	05/25/2023 15:57	WG2065652

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	7.56 J-	C3 ~~J3~~	0.548	1.00	1	05/25/2023 11:55	WG2066129
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/25/2023 11:55	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 11:55	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 11:55	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 11:55	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 11:55	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 11:55	WG2066129
n-Butylbenzene	U UJ	C3	0.153	0.500	1	05/25/2023 11:55	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 11:55	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 11:55	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 11:55	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 11:55	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 11:55	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 11:55	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 11:55	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 11:55	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 11:55	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 11:55	WG2066129
1,2-Dibromo-3-Chloropropane	U UJ	C3	0.204	1.00	1	05/25/2023 11:55	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 11:55	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 11:55	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 11:55	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 11:55	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 11:55	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 11:55	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 11:55	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 11:55	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 11:55	WG2066129
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/25/2023 11:55	WG2066129
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 11:55	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 11:55	WG2066129

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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	
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 11:55	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 11:55	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 11:55	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 11:55	WG2066129
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	05/25/2023 11:55	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 11:55	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 11:55	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 11:55	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 11:55	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 11:55	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 11:55	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 11:55	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 11:55	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 11:55	WG2066129
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/25/2023 11:55	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 11:55	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 11:55	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 11:55	WG2066129
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/25/2023 11:55	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 11:55	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 11:55	WG2066129
Toluene	0.0860	J	0.0500	0.200	1	05/25/2023 11:55	WG2066129
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/25/2023 11:55	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 11:55	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 11:55	WG2066129
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 11:55	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 11:55	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 11:55	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 11:55	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 11:55	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 11:55	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 11:55	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 11:55	WG2066129
Xylenes, Total	0.234	J	0.191	0.260	1	05/25/2023 11:55	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 11:55	WG2066129
Tetrahydrofuran	U	UJ C3 J3	0.0900	0.500	1	05/25/2023 11:55	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 11:55	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 11:55	WG2066129
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/25/2023 11:55	WG2066129
(S) Toluene-d8	*103*			*75.0-131*		*05/25/2023 11:55*	WG2066129
(S) 4-Bromofluorobenzene	*97.1*			*67.0-138*		*05/25/2023 11:55*	WG2066129
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/25/2023 11:55*	WG2066129

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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
Acetone	1.10	U	~~C3 J3~~	0.548	1.00	1	05/25/2023 12:14	WG2066129
Acrylonitrile	U		~~J3~~	0.0760	0.500	1	05/25/2023 12:14	WG2066129
Benzene	U			0.0160	0.0400	1	05/25/2023 12:14	WG2066129
Bromobenzene	U			0.0420	0.500	1	05/25/2023 12:14	WG2066129
Bromodichloromethane	U			0.0315	0.100	1	05/25/2023 12:14	WG2066129
Bromoform	U			0.239	1.00	1	05/25/2023 12:14	WG2066129
Bromomethane	U			0.148	0.500	1	05/25/2023 12:14	WG2066129
n-Butylbenzene	U	UJ	C3	0.153	0.500	1	05/25/2023 12:14	WG2066129
sec-Butylbenzene	U			0.101	0.500	1	05/25/2023 12:14	WG2066129
tert-Butylbenzene	U			0.0620	0.200	1	05/25/2023 12:14	WG2066129
Carbon tetrachloride	U			0.0432	0.200	1	05/25/2023 12:14	WG2066129
Chlorobenzene	U			0.0229	0.100	1	05/25/2023 12:14	WG2066129
Chlorodibromomethane	U			0.0180	0.100	1	05/25/2023 12:14	WG2066129
Chloroethane	U			0.0432	0.200	1	05/25/2023 12:14	WG2066129
Chloroform	U			0.0166	0.100	1	05/25/2023 12:14	WG2066129
Chloromethane	U			0.0556	0.500	1	05/25/2023 12:14	WG2066129
2-Chlorotoluene	U			0.0368	0.100	1	05/25/2023 12:14	WG2066129
4-Chlorotoluene	U			0.0452	0.200	1	05/25/2023 12:14	WG2066129
1,2-Dibromo-3-Chloropropane	U	UJ	C3	0.204	1.00	1	05/25/2023 12:14	WG2066129
1,2-Dibromoethane	U			0.0210	0.100	1	05/25/2023 12:14	WG2066129
Dibromomethane	U			0.0400	0.200	1	05/25/2023 12:14	WG2066129
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/25/2023 12:14	WG2066129
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/25/2023 12:14	WG2066129
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/25/2023 12:14	WG2066129
Dichlorodifluoromethane	U			0.0327	0.100	1	05/25/2023 12:14	WG2066129
1,1-Dichloroethane	U			0.0230	0.100	1	05/25/2023 12:14	WG2066129
1,2-Dichloroethane	U			0.0190	0.100	1	05/25/2023 12:14	WG2066129
1,1-Dichloroethene	0.920			0.0200	0.100	1	05/25/2023 12:14	WG2066129
cis-1,2-Dichloroethene	22.2			0.0276	0.100	1	05/25/2023 12:14	WG2066129
trans-1,2-Dichloroethene	0.309			0.0572	0.200	1	05/25/2023 12:14	WG2066129
1,2-Dichloropropane	U			0.0508	0.200	1	05/25/2023 12:14	WG2066129
1,1-Dichloropropene	U			0.0280	0.100	1	05/25/2023 12:14	WG2066129
1,3-Dichloropropane	U			0.0700	0.200	1	05/25/2023 12:14	WG2066129
cis-1,3-Dichloropropene	U			0.0271	0.100	1	05/25/2023 12:14	WG2066129
trans-1,3-Dichloropropene	U			0.0612	0.200	1	05/25/2023 12:14	WG2066129
2,2-Dichloropropane	U	UJ	C3	0.0317	0.100	1	05/25/2023 12:14	WG2066129
Di-isopropyl ether	U			0.0140	0.0400	1	05/25/2023 12:14	WG2066129
Ethylbenzene	U			0.0212	0.100	1	05/25/2023 12:14	WG2066129
Hexachloro-1,3-butadiene	U			0.508	1.00	1	05/25/2023 12:14	WG2066129
Isopropylbenzene	U			0.0345	0.100	1	05/25/2023 12:14	WG2066129
p-Isopropyltoluene	U			0.0932	0.200	1	05/25/2023 12:14	WG2066129
2-Butanone (MEK)	U			0.500	1.00	1	05/25/2023 12:14	WG2066129
Methylene Chloride	U			0.265	1.00	1	05/25/2023 12:14	WG2066129
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	05/25/2023 12:14	WG2066129
Methyl tert-butyl ether	U			0.0118	0.0400	1	05/25/2023 12:14	WG2066129
Naphthalene	U	UJ	~~C3 J4~~	0.124	0.500	1	05/25/2023 12:14	WG2066129
n-Propylbenzene	U			0.0472	0.200	1	05/25/2023 12:14	WG2066129
Styrene	U			0.109	0.500	1	05/25/2023 12:14	WG2066129
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	05/25/2023 12:14	WG2066129
1,1,2,2-Tetrachloroethane	U	UJ	C3	0.0156	0.100	1	05/25/2023 12:14	WG2066129
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	05/25/2023 12:14	WG2066129
Tetrachloroethene	0.648			0.0280	0.100	1	05/25/2023 12:14	WG2066129
Toluene	0.0590		J	0.0500	0.200	1	05/25/2023 12:14	WG2066129
1,2,3-Trichlorobenzene	U	UJ	C3	0.0250	0.500	1	05/25/2023 12:14	WG2066129
1,2,4-Trichlorobenzene	U			0.193	0.500	1	05/25/2023 12:14	WG2066129
1,1,1-Trichloroethane	U			0.0110	0.100	1	05/25/2023 12:14	WG2066129

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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	
1,1,2-Trichloroethane	U			0.0353	0.100	1	05/25/2023 12:14	WG2066129
Trichloroethene	3.97			0.0160	0.0400	1	05/25/2023 12:14	WG2066129
Trichlorofluoromethane	U			0.0200	0.100	1	05/25/2023 12:14	WG2066129
1,2,3-Trichloropropane	U			0.204	0.500	1	05/25/2023 12:14	WG2066129
1,2,4-Trimethylbenzene	U			0.0464	0.200	1	05/25/2023 12:14	WG2066129
1,2,3-Trimethylbenzene	U			0.0460	0.200	1	05/25/2023 12:14	WG2066129
1,3,5-Trimethylbenzene	U			0.0432	0.200	1	05/25/2023 12:14	WG2066129
Vinyl chloride	2.18			0.0273	0.100	1	05/25/2023 12:14	WG2066129
Xylenes, Total	U			0.191	0.260	1	05/25/2023 12:14	WG2066129
Ethyl Ether	U			0.0170	0.100	1	05/25/2023 12:14	WG2066129
Tetrahydrofuran	U	UJ	C3 ~~J3~~	0.0900	0.500	1	05/25/2023 12:14	WG2066129
Iodomethane	U			0.242	0.500	1	05/25/2023 12:14	WG2066129
Allyl chloride	U			0.580	1.00	1	05/25/2023 12:14	WG2066129
Trans-1,4-Dichloro-2-butene	U	UJ	C3	0.0560	0.200	1	05/25/2023 12:14	WG2066129
(S) Toluene-d8	*107*				*75.0-131*		*05/25/2023 12:14*	WG2066129
(S) 4-Bromofluorobenzene	*98.3*				*67.0-138*		*05/25/2023 12:14*	WG2066129
(S) 1,2-Dichloroethane-d4	*103*				*70.0-130*		*05/25/2023 12:14*	WG2066129

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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 UJ	C3 ~~J3~~	0.548	1.00	1	05/25/2023 12:33	WG2066129
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/25/2023 12:33	WG2066129
Benzene	0.0320	J	0.0160	0.0400	1	05/25/2023 12:33	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 12:33	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 12:33	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 12:33	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 12:33	WG2066129
n-Butylbenzene	U UJ	C3	0.153	0.500	1	05/25/2023 12:33	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 12:33	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 12:33	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 12:33	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 12:33	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 12:33	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 12:33	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 12:33	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 12:33	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 12:33	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 12:33	WG2066129
1,2-Dibromo-3-Chloropropane	U UJ	C3	0.204	1.00	1	05/25/2023 12:33	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 12:33	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 12:33	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 12:33	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 12:33	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 12:33	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 12:33	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 12:33	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 12:33	WG2066129
1,1-Dichloroethene	3.32		0.0200	0.100	1	05/25/2023 12:33	WG2066129
cis-1,2-Dichloroethene	634		0.552	2.00	20	05/29/2023 14:17	WG2067921
trans-1,2-Dichloroethene	2.55		0.0572	0.200	1	05/25/2023 12:33	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 12:33	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 12:33	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 12:33	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 12:33	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 12:33	WG2066129
2,2-Dichloropropane	U UJ	C3	0.0317	0.100	1	05/25/2023 12:33	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 12:33	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 12:33	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 12:33	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 12:33	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 12:33	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 12:33	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 12:33	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 12:33	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 12:33	WG2066129
Naphthalene	U UJ	C3 ~~J4~~	0.124	0.500	1	05/25/2023 12:33	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 12:33	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 12:33	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 12:33	WG2066129
1,1,2,2-Tetrachloroethane	U UJ	C3	0.0156	0.100	1	05/25/2023 12:33	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 12:33	WG2066129
Tetrachloroethene	5.34		0.0280	0.100	1	05/25/2023 12:33	WG2066129
Toluene	U		0.0500	0.200	1	05/25/2023 12:33	WG2066129
1,2,3-Trichlorobenzene	U UJ	C3	0.0250	0.500	1	05/25/2023 12:33	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 12:33	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 12:33	WG2066129

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 12:33	WG2066129
Trichloroethene	39.0		0.0160	0.0400	1	05/25/2023 12:33	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 12:33	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 12:33	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 12:33	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 12:33	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 12:33	WG2066129
Vinyl chloride	71.6		0.0273	0.100	1	05/25/2023 12:33	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 12:33	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 12:33	WG2066129
Tetrahydrofuran	U	UJ C3 ~~J3~~	0.0900	0.500	1	05/25/2023 12:33	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 12:33	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 12:33	WG2066129
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/25/2023 12:33	WG2066129
(S) Toluene-d8	*107*			*75.0-131*		*05/25/2023 12:33*	WG2066129
(S) Toluene-d8	*104*			*75.0-131*		*05/29/2023 14:17*	WG2067921
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*		*05/25/2023 12:33*	WG2066129
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/29/2023 14:17*	WG2067921
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/25/2023 12:33*	WG2066129
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*05/29/2023 14:17*	WG2067921

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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 UJ	C3 ~~J3~~	0.548	1.00	1	05/25/2023 12:52	WG2066129
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/25/2023 12:52	WG2066129
Benzene	0.0760		0.0160	0.0400	1	05/25/2023 12:52	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 12:52	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 12:52	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 12:52	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 12:52	WG2066129
n-Butylbenzene	U UJ	C3	0.153	0.500	1	05/25/2023 12:52	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 12:52	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 12:52	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 12:52	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 12:52	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 12:52	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 12:52	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 12:52	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 12:52	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 12:52	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 12:52	WG2066129
1,2-Dibromo-3-Chloropropane	U UJ	C3	0.204	1.00	1	05/25/2023 12:52	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 12:52	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 12:52	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 12:52	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 12:52	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 12:52	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 12:52	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 12:52	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 12:52	WG2066129
1,1-Dichloroethene	2.29		0.0200	0.100	1	05/25/2023 12:52	WG2066129
cis-1,2-Dichloroethene	283		0.276	1.00	10	05/29/2023 14:36	WG2067921
trans-1,2-Dichloroethene	2.22		0.0572	0.200	1	05/25/2023 12:52	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 12:52	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 12:52	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 12:52	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 12:52	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 12:52	WG2066129
2,2-Dichloropropane	U UJ	C3	0.0317	0.100	1	05/25/2023 12:52	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 12:52	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 12:52	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 12:52	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 12:52	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 12:52	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 12:52	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 12:52	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 12:52	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 12:52	WG2066129
Naphthalene	U UJ	C3 ~~J4~~	0.124	0.500	1	05/25/2023 12:52	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 12:52	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 12:52	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 12:52	WG2066129
1,1,2,2-Tetrachloroethane	U UJ	C3	0.0156	0.100	1	05/25/2023 12:52	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 12:52	WG2066129
Tetrachloroethene	459		0.280	1.00	10	05/29/2023 14:36	WG2067921
Toluene	U		0.0500	0.200	1	05/25/2023 12:52	WG2066129
1,2,3-Trichlorobenzene	U UJ	C3	0.0250	0.500	1	05/25/2023 12:52	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 12:52	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 12:52	WG2066129

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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	05/25/2023 12:52	WG2066129
Trichloroethene	248		0.160	0.400	10	05/29/2023 14:36	WG2067921
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 12:52	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 12:52	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 12:52	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 12:52	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 12:52	WG2066129
Vinyl chloride	0.474		0.0273	0.100	1	05/25/2023 12:52	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 12:52	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 12:52	WG2066129
Tetrahydrofuran	U	UJ C3 ~~J3~~	0.0900	0.500	1	05/25/2023 12:52	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 12:52	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 12:52	WG2066129
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/25/2023 12:52	WG2066129
(S) Toluene-d8	*104*			*75.0-131*		*05/25/2023 12:52*	WG2066129
(S) Toluene-d8	*103*			*75.0-131*		*05/29/2023 14:36*	WG2067921
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/25/2023 12:52*	WG2066129
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/29/2023 14:36*	WG2067921
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/25/2023 12:52*	WG2066129
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*		*05/29/2023 14:36*	WG2067921

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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
Acetone	1.84 U	C3 ~~J3~~	0.548	1.00	1	05/25/2023 13:12	WG2066129
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/25/2023 13:12	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 13:12	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 13:12	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 13:12	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 13:12	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 13:12	WG2066129
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/25/2023 13:12	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 13:12	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 13:12	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 13:12	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 13:12	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 13:12	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 13:12	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 13:12	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 13:12	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 13:12	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 13:12	WG2066129
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/25/2023 13:12	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 13:12	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 13:12	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 13:12	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 13:12	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 13:12	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 13:12	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 13:12	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 13:12	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 13:12	WG2066129
cis-1,2-Dichloroethene	4.68		0.0276	0.100	1	05/29/2023 12:43	WG2067921
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 13:12	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 13:12	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 13:12	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 13:12	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 13:12	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 13:12	WG2066129
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	05/25/2023 13:12	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 13:12	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 13:12	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 13:12	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 13:12	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 13:12	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 13:12	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 13:12	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 13:12	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 13:12	WG2066129
Naphthalene	U	UJ C3 ~~J4~~	0.124	0.500	1	05/25/2023 13:12	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 13:12	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 13:12	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 13:12	WG2066129
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/25/2023 13:12	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 13:12	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/29/2023 12:43	WG2067921
Toluene	U		0.0500	0.200	1	05/25/2023 13:12	WG2066129
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/25/2023 13:12	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 13:12	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 13:12	WG2066129

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 13:12	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 13:12	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 13:12	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 13:12	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 13:12	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 13:12	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 13:12	WG2066129
Vinyl chloride	0.168		0.0273	0.100	1	05/25/2023 13:12	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 13:12	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 13:12	WG2066129
Tetrahydrofuran	U	UJ C3 ~~J3~~	0.0900	0.500	1	05/25/2023 13:12	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 13:12	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 13:12	WG2066129
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/25/2023 13:12	WG2066129
(S) Toluene-d8	*104*			*75.0-131*		*05/25/2023 13:12*	WG2066129
(S) Toluene-d8	*103*			*75.0-131*		*05/29/2023 12:43*	WG2067921
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*05/25/2023 13:12*	WG2066129
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/29/2023 12:43*	WG2067921
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*05/25/2023 13:12*	WG2066129
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/29/2023 12:43*	WG2067921

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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
Acetone	1.61 U	C3 ~~J3~~	0.548	1.00	1	05/25/2023 13:32	WG2066129
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/25/2023 13:32	WG2066129
Benzene	U		0.0160	0.0400	1	05/25/2023 13:32	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 13:32	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 13:32	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 13:32	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 13:32	WG2066129
n-Butylbenzene	U UJ	C3	0.153	0.500	1	05/25/2023 13:32	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 13:32	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 13:32	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 13:32	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 13:32	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 13:32	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 13:32	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 13:32	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 13:32	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 13:32	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 13:32	WG2066129
1,2-Dibromo-3-Chloropropane	U UJ	C3	0.204	1.00	1	05/25/2023 13:32	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 13:32	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 13:32	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 13:32	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 13:32	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 13:32	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 13:32	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 13:32	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 13:32	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 13:32	WG2066129
cis-1,2-Dichloroethene	4.76		0.0276	0.100	1	05/29/2023 13:02	WG2067921
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 13:32	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 13:32	WG2066129
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 13:32	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 13:32	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 13:32	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 13:32	WG2066129
2,2-Dichloropropane	U UJ	C3	0.0317	0.100	1	05/25/2023 13:32	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 13:32	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 13:32	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 13:32	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 13:32	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 13:32	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 13:32	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 13:32	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 13:32	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 13:32	WG2066129
Naphthalene	U UJ	C3 J4	0.124	0.500	1	05/25/2023 13:32	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 13:32	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 13:32	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 13:32	WG2066129
1,1,2,2-Tetrachloroethane	U UJ	C3	0.0156	0.100	1	05/25/2023 13:32	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 13:32	WG2066129
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 13:32	WG2066129
Toluene	U		0.0500	0.200	1	05/25/2023 13:32	WG2066129
1,2,3-Trichlorobenzene	U UJ	C3	0.0250	0.500	1	05/25/2023 13:32	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 13:32	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 13:32	WG2066129

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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	05/25/2023 13:32	WG2066129
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 13:32	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 13:32	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 13:32	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 13:32	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 13:32	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 13:32	WG2066129
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 13:32	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 13:32	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 13:32	WG2066129
Tetrahydrofuran	U	UJ C3 ~~J3~~	0.0900	0.500	1	05/25/2023 13:32	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 13:32	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 13:32	WG2066129
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/25/2023 13:32	WG2066129
(S) Toluene-d8	*105*			*75.0-131*		*05/25/2023 13:32*	WG2066129
(S) Toluene-d8	*104*			*75.0-131*		*05/29/2023 13:02*	WG2067921
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*		*05/25/2023 13:32*	WG2066129
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/29/2023 13:02*	WG2067921
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/25/2023 13:32*	WG2066129
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/29/2023 13:02*	WG2067921

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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	05/24/2023 01:52	WG2065420

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)	16800		102	1000	1	05/26/2023 01:26	WG2066225

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10800		28.1	100	1	05/22/2023 16:29	WG2063426
Manganese	2070		0.704	5.00	1	05/22/2023 16:29	WG2063426

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	11000		29.1	100	10	05/26/2023 11:09	WG2067033
Ethane	143		4.07	13.0	1	05/25/2023 16:01	WG2065652
Ethene	U		4.26	13.0	1	05/25/2023 16:01	WG2065652

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.88 J-	C3 ~~J3~~	0.548	1.00	1	05/25/2023 13:51	WG2066129
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/25/2023 13:51	WG2066129
Benzene	0.0600		0.0160	0.0400	1	05/25/2023 13:51	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 13:51	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 13:51	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 13:51	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 13:51	WG2066129
n-Butylbenzene	U UJ	C3	0.153	0.500	1	05/25/2023 13:51	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 13:51	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 13:51	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 13:51	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 13:51	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 13:51	WG2066129
Chloroethane	U		0.0432	0.200	1	05/25/2023 13:51	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 13:51	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 13:51	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 13:51	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 13:51	WG2066129
1,2-Dibromo-3-Chloropropane	U UJ	C3	0.204	1.00	1	05/25/2023 13:51	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 13:51	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 13:51	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 13:51	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 13:51	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 13:51	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 13:51	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 13:51	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 13:51	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 13:51	WG2066129
cis-1,2-Dichloroethene	3.36		0.0276	0.100	1	05/29/2023 13:20	WG2067921
trans-1,2-Dichloroethene	2.37		0.0572	0.200	1	05/25/2023 13:51	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 13:51	WG2066129

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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-Dichloropropene	U		0.0280	0.100	1	05/25/2023 13:51	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 13:51	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 13:51	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 13:51	WG2066129
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	05/25/2023 13:51	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 13:51	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 13:51	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 13:51	WG2066129
Isopropylbenzene	0.0750	J	0.0345	0.100	1	05/25/2023 13:51	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 13:51	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 13:51	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 13:51	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 13:51	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 13:51	WG2066129
Naphthalene	U	UJ C3 ~~J4~~	0.124	0.500	1	05/25/2023 13:51	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 13:51	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 13:51	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 13:51	WG2066129
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/25/2023 13:51	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 13:51	WG2066129
Tetrachloroethene	0.267		0.0280	0.100	1	05/25/2023 13:51	WG2066129
Toluene	0.123	J	0.0500	0.200	1	05/25/2023 13:51	WG2066129
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/25/2023 13:51	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 13:51	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 13:51	WG2066129
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 13:51	WG2066129
Trichloroethene	1.44		0.0160	0.0400	1	05/25/2023 13:51	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 13:51	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 13:51	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 13:51	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 13:51	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 13:51	WG2066129
Vinyl chloride	1.50		0.0273	0.100	1	05/25/2023 13:51	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 13:51	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 13:51	WG2066129
Tetrahydrofuran	4.36	J- C3 ~~J3~~	0.0900	0.500	1	05/25/2023 13:51	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 13:51	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 13:51	WG2066129
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/25/2023 13:51	WG2066129
(S) Toluene-d8	*106*			*75.0-131*		*05/25/2023 13:51*	WG2066129
(S) Toluene-d8	*104*			*75.0-131*		*05/29/2023 13:20*	WG2067921
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*05/25/2023 13:51*	WG2066129
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/29/2023 13:20*	WG2067921
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/25/2023 13:51*	WG2066129
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/29/2023 13:20*	WG2067921

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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	05/24/2023 02:04	WG2065420

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)	17600		102	1000	1	05/26/2023 01:53	WG2066225

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10700		28.1	100	1	05/22/2023 16:33	WG2063426
Manganese	2050		0.704	5.00	1	05/22/2023 16:33	WG2063426

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	15600		29.1	100	10	05/26/2023 11:14	WG2067033
Ethane	181		4.07	13.0	1	05/25/2023 16:04	WG2065652
Ethene	U		4.26	13.0	1	05/25/2023 16:04	WG2065652

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.96 J-	C3 ~~J3~~	0.548	1.00	1	05/25/2023 14:10	WG2066129
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/25/2023 14:10	WG2066129
Benzene	0.0690		0.0160	0.0400	1	05/25/2023 14:10	WG2066129
Bromobenzene	U		0.0420	0.500	1	05/25/2023 14:10	WG2066129
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 14:10	WG2066129
Bromoform	U		0.239	1.00	1	05/25/2023 14:10	WG2066129
Bromomethane	U		0.148	0.500	1	05/25/2023 14:10	WG2066129
n-Butylbenzene	U UJ	C3	0.153	0.500	1	05/25/2023 14:10	WG2066129
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 14:10	WG2066129
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 14:10	WG2066129
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 14:10	WG2066129
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 14:10	WG2066129
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 14:10	WG2066129
Chloroethane	0.181	J	0.0432	0.200	1	05/25/2023 14:10	WG2066129
Chloroform	U		0.0166	0.100	1	05/25/2023 14:10	WG2066129
Chloromethane	U		0.0556	0.500	1	05/25/2023 14:10	WG2066129
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 14:10	WG2066129
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 14:10	WG2066129
1,2-Dibromo-3-Chloropropane	U UJ	C3	0.204	1.00	1	05/25/2023 14:10	WG2066129
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 14:10	WG2066129
Dibromomethane	U		0.0400	0.200	1	05/25/2023 14:10	WG2066129
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 14:10	WG2066129
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 14:10	WG2066129
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 14:10	WG2066129
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 14:10	WG2066129
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 14:10	WG2066129
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 14:10	WG2066129
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 14:10	WG2066129
cis-1,2-Dichloroethene	3.08		0.0276	0.100	1	05/29/2023 13:39	WG2067921
trans-1,2-Dichloroethene	2.16		0.0572	0.200	1	05/25/2023 14:10	WG2066129
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 14:10	WG2066129

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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-Dichloropropene	U		0.0280	0.100	1	05/25/2023 14:10	WG2066129
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 14:10	WG2066129
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 14:10	WG2066129
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 14:10	WG2066129
2,2-Dichloropropane	U	UJ C3	0.0317	0.100	1	05/25/2023 14:10	WG2066129
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 14:10	WG2066129
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 14:10	WG2066129
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 14:10	WG2066129
Isopropylbenzene	U		0.0345	0.100	1	05/25/2023 14:10	WG2066129
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 14:10	WG2066129
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 14:10	WG2066129
Methylene Chloride	U		0.265	1.00	1	05/25/2023 14:10	WG2066129
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 14:10	WG2066129
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 14:10	WG2066129
Naphthalene	U	UJ C3 ~~J4~~	0.124	0.500	1	05/25/2023 14:10	WG2066129
n-Propylbenzene	U		0.0472	0.200	1	05/25/2023 14:10	WG2066129
Styrene	U		0.109	0.500	1	05/25/2023 14:10	WG2066129
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 14:10	WG2066129
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/25/2023 14:10	WG2066129
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 14:10	WG2066129
Tetrachloroethene	0.249		0.0280	0.100	1	05/25/2023 14:10	WG2066129
Toluene	0.122	J	0.0500	0.200	1	05/25/2023 14:10	WG2066129
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/25/2023 14:10	WG2066129
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/25/2023 14:10	WG2066129
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 14:10	WG2066129
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/25/2023 14:10	WG2066129
Trichloroethene	1.13		0.0160	0.0400	1	05/25/2023 14:10	WG2066129
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 14:10	WG2066129
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 14:10	WG2066129
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/25/2023 14:10	WG2066129
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 14:10	WG2066129
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/25/2023 14:10	WG2066129
Vinyl chloride	1.28		0.0273	0.100	1	05/25/2023 14:10	WG2066129
Xylenes, Total	U		0.191	0.260	1	05/25/2023 14:10	WG2066129
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 14:10	WG2066129
Tetrahydrofuran	4.48	J- C3 ~~J3~~	0.0900	0.500	1	05/25/2023 14:10	WG2066129
Iodomethane	U		0.242	0.500	1	05/25/2023 14:10	WG2066129
Allyl chloride	U		0.580	1.00	1	05/25/2023 14:10	WG2066129
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/25/2023 14:10	WG2066129
(S) Toluene-d8	*105*			*75.0-131*		*05/25/2023 14:10*	WG2066129
(S) Toluene-d8	*103*			*75.0-131*		*05/29/2023 13:39*	WG2067921
(S) 4-Bromofluorobenzene	*98.1*			*67.0-138*		*05/25/2023 14:10*	WG2066129
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/29/2023 13:39*	WG2067921
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/25/2023 14:10*	WG2066129
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*		*05/29/2023 13:39*	WG2067921

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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		0.548	1.00	1	05/25/2023 23:47	WG2066865
Acrylonitrile	U		0.0760	0.500	1	05/25/2023 23:47	WG2066865
Benzene	U		0.0160	0.0400	1	05/25/2023 23:47	WG2066865
Bromobenzene	U		0.0420	0.500	1	05/25/2023 23:47	WG2066865
Bromodichloromethane	U		0.0315	0.100	1	05/25/2023 23:47	WG2066865
Bromoform	U	UJ C3	0.239	1.00	1	05/25/2023 23:47	WG2066865
Bromomethane	U		0.148	0.500	1	05/25/2023 23:47	WG2066865
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/25/2023 23:47	WG2066865
sec-Butylbenzene	U		0.101	0.500	1	05/25/2023 23:47	WG2066865
tert-Butylbenzene	U		0.0620	0.200	1	05/25/2023 23:47	WG2066865
Carbon tetrachloride	U		0.0432	0.200	1	05/25/2023 23:47	WG2066865
Chlorobenzene	U		0.0229	0.100	1	05/25/2023 23:47	WG2066865
Chlorodibromomethane	U		0.0180	0.100	1	05/25/2023 23:47	WG2066865
Chloroethane	U		0.0432	0.200	1	05/25/2023 23:47	WG2066865
Chloroform	U		0.0166	0.100	1	05/25/2023 23:47	WG2066865
Chloromethane	U		0.0556	0.500	1	05/25/2023 23:47	WG2066865
2-Chlorotoluene	U		0.0368	0.100	1	05/25/2023 23:47	WG2066865
4-Chlorotoluene	U		0.0452	0.200	1	05/25/2023 23:47	WG2066865
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/25/2023 23:47	WG2066865
1,2-Dibromoethane	U		0.0210	0.100	1	05/25/2023 23:47	WG2066865
Dibromomethane	U		0.0400	0.200	1	05/25/2023 23:47	WG2066865
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/25/2023 23:47	WG2066865
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/25/2023 23:47	WG2066865
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/25/2023 23:47	WG2066865
Dichlorodifluoromethane	U		0.0327	0.100	1	05/25/2023 23:47	WG2066865
1,1-Dichloroethane	U		0.0230	0.100	1	05/25/2023 23:47	WG2066865
1,2-Dichloroethane	U		0.0190	0.100	1	05/25/2023 23:47	WG2066865
1,1-Dichloroethene	U		0.0200	0.100	1	05/25/2023 23:47	WG2066865
cis-1,2-Dichloroethene	21.2		0.0276	0.100	1	05/25/2023 23:47	WG2066865
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/25/2023 23:47	WG2066865
1,2-Dichloropropane	U		0.0508	0.200	1	05/25/2023 23:47	WG2066865
1,1-Dichloropropene	U		0.0280	0.100	1	05/25/2023 23:47	WG2066865
1,3-Dichloropropane	U		0.0700	0.200	1	05/25/2023 23:47	WG2066865
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/25/2023 23:47	WG2066865
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/25/2023 23:47	WG2066865
2,2-Dichloropropane	U		0.0317	0.100	1	05/25/2023 23:47	WG2066865
Di-isopropyl ether	U		0.0140	0.0400	1	05/25/2023 23:47	WG2066865
Ethylbenzene	U		0.0212	0.100	1	05/25/2023 23:47	WG2066865
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/25/2023 23:47	WG2066865
Isopropylbenzene	U	UJ C3	0.0345	0.100	1	05/25/2023 23:47	WG2066865
p-Isopropyltoluene	U		0.0932	0.200	1	05/25/2023 23:47	WG2066865
2-Butanone (MEK)	U		0.500	1.00	1	05/25/2023 23:47	WG2066865
Methylene Chloride	U		0.265	1.00	1	05/25/2023 23:47	WG2066865
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/25/2023 23:47	WG2066865
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/25/2023 23:47	WG2066865
Naphthalene	U	UJ C3	0.124	0.500	1	05/25/2023 23:47	WG2066865
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/25/2023 23:47	WG2066865
Styrene	U	UJ C3	0.109	0.500	1	05/25/2023 23:47	WG2066865
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/25/2023 23:47	WG2066865
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/25/2023 23:47	WG2066865
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/25/2023 23:47	WG2066865
Tetrachloroethene	U		0.0280	0.100	1	05/25/2023 23:47	WG2066865
Toluene	U		0.0500	0.200	1	05/25/2023 23:47	WG2066865
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/25/2023 23:47	WG2066865
1,2,4-Trichlorobenzene	U	UJ C3	0.193	0.500	1	05/25/2023 23:47	WG2066865
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/25/2023 23:47	WG2066865

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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	05/25/2023 23:47	WG2066865
Trichloroethene	U		0.0160	0.0400	1	05/25/2023 23:47	WG2066865
Trichlorofluoromethane	U		0.0200	0.100	1	05/25/2023 23:47	WG2066865
1,2,3-Trichloropropane	U		0.204	0.500	1	05/25/2023 23:47	WG2066865
1,2,4-Trimethylbenzene	U	UJ C3	0.0464	0.200	1	05/25/2023 23:47	WG2066865
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/25/2023 23:47	WG2066865
1,3,5-Trimethylbenzene	U	UJ C3	0.0432	0.200	1	05/25/2023 23:47	WG2066865
Vinyl chloride	U		0.0273	0.100	1	05/25/2023 23:47	WG2066865
Xylenes, Total	U		0.191	0.260	1	05/25/2023 23:47	WG2066865
Ethyl Ether	U		0.0170	0.100	1	05/25/2023 23:47	WG2066865
Tetrahydrofuran	U	UJ C3 J3	0.0900	0.500	1	05/25/2023 23:47	WG2066865
Iodomethane	U		0.242	0.500	1	05/25/2023 23:47	WG2066865
Allyl chloride	U		0.580	1.00	1	05/25/2023 23:47	WG2066865
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/25/2023 23:47	WG2066865
(S) Toluene-d8	*105*			*75.0-131*		*05/25/2023 23:47*	WG2066865
(S) 4-Bromofluorobenzene	*95.9*			*67.0-138*		*05/25/2023 23:47*	WG2066865
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*05/25/2023 23:47*	WG2066865

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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		0.548	1.00	1	05/26/2023 00:06	WG2066865
Acrylonitrile	U		0.0760	0.500	1	05/26/2023 00:06	WG2066865
Benzene	6.13		0.0160	0.0400	1	05/26/2023 00:06	WG2066865
Bromobenzene	U		0.0420	0.500	1	05/26/2023 00:06	WG2066865
Bromodichloromethane	U		0.0315	0.100	1	05/26/2023 00:06	WG2066865
Bromoform	U	UJ C3	0.239	1.00	1	05/26/2023 00:06	WG2066865
Bromomethane	U		0.148	0.500	1	05/26/2023 00:06	WG2066865
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/26/2023 00:06	WG2066865
sec-Butylbenzene	U		0.101	0.500	1	05/26/2023 00:06	WG2066865
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2023 00:06	WG2066865
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2023 00:06	WG2066865
Chlorobenzene	U		0.0229	0.100	1	05/26/2023 00:06	WG2066865
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2023 00:06	WG2066865
Chloroethane	U		0.0432	0.200	1	05/26/2023 00:06	WG2066865
Chloroform	U		0.0166	0.100	1	05/26/2023 00:06	WG2066865
Chloromethane	U		0.0556	0.500	1	05/26/2023 00:06	WG2066865
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2023 00:06	WG2066865
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2023 00:06	WG2066865
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/26/2023 00:06	WG2066865
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2023 00:06	WG2066865
Dibromomethane	U		0.0400	0.200	1	05/26/2023 00:06	WG2066865
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2023 00:06	WG2066865
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2023 00:06	WG2066865
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2023 00:06	WG2066865
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2023 00:06	WG2066865
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2023 00:06	WG2066865
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2023 00:06	WG2066865
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2023 00:06	WG2066865
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/26/2023 00:06	WG2066865
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2023 00:06	WG2066865
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2023 00:06	WG2066865
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2023 00:06	WG2066865
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2023 00:06	WG2066865
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2023 00:06	WG2066865
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2023 00:06	WG2066865
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2023 00:06	WG2066865
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2023 00:06	WG2066865
Ethylbenzene	U		0.0212	0.100	1	05/26/2023 00:06	WG2066865
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2023 00:06	WG2066865
Isopropylbenzene	U	UJ C3	0.0345	0.100	1	05/26/2023 00:06	WG2066865
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2023 00:06	WG2066865
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2023 00:06	WG2066865
Methylene Chloride	U		0.265	1.00	1	05/26/2023 00:06	WG2066865
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2023 00:06	WG2066865
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2023 00:06	WG2066865
Naphthalene	U	UJ C3	0.124	0.500	1	05/26/2023 00:06	WG2066865
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/26/2023 00:06	WG2066865
Styrene	U	UJ C3	0.109	0.500	1	05/26/2023 00:06	WG2066865
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2023 00:06	WG2066865
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2023 00:06	WG2066865
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2023 00:06	WG2066865
Tetrachloroethene	U		0.0280	0.100	1	05/26/2023 00:06	WG2066865
Toluene	U		0.0500	0.200	1	05/26/2023 00:06	WG2066865
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/26/2023 00:06	WG2066865
1,2,4-Trichlorobenzene	U	UJ C3	0.193	0.500	1	05/26/2023 00:06	WG2066865
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2023 00:06	WG2066865

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/26/2023 00:06	WG2066865
Trichloroethene	U		0.0160	0.0400	1	05/26/2023 00:06	WG2066865
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2023 00:06	WG2066865
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2023 00:06	WG2066865
1,2,4-Trimethylbenzene	U	UJ C3	0.0464	0.200	1	05/26/2023 00:06	WG2066865
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2023 00:06	WG2066865
1,3,5-Trimethylbenzene	U	UJ C3	0.0432	0.200	1	05/26/2023 00:06	WG2066865
Vinyl chloride	1.74		0.0273	0.100	1	05/26/2023 00:06	WG2066865
Xylenes, Total	U		0.191	0.260	1	05/26/2023 00:06	WG2066865
Ethyl Ether	U		0.0170	0.100	1	05/26/2023 00:06	WG2066865
Tetrahydrofuran	U	UJ C3 J3	0.0900	0.500	1	05/26/2023 00:06	WG2066865
Iodomethane	U		0.242	0.500	1	05/26/2023 00:06	WG2066865
Allyl chloride	U		0.580	1.00	1	05/26/2023 00:06	WG2066865
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2023 00:06	WG2066865
(S) Toluene-d8	*105*			*75.0-131*		*05/26/2023 00:06*	WG2066865
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*05/26/2023 00:06*	WG2066865
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/26/2023 00:06*	WG2066865

JC 6/20/23

Volatile 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	05/26/2023 00:25	WG2066865
Acrylonitrile	U		0.0760	0.500	1	05/26/2023 00:25	WG2066865
Benzene	U		0.0160	0.0400	1	05/26/2023 00:25	WG2066865
Bromobenzene	U		0.0420	0.500	1	05/26/2023 00:25	WG2066865
Bromodichloromethane	U		0.0315	0.100	1	05/26/2023 00:25	WG2066865
Bromoform	U	UJ C3	0.239	1.00	1	05/26/2023 00:25	WG2066865
Bromomethane	U		0.148	0.500	1	05/26/2023 00:25	WG2066865
n-Butylbenzene	U	UJ C3	0.153	0.500	1	05/26/2023 00:25	WG2066865
sec-Butylbenzene	U		0.101	0.500	1	05/26/2023 00:25	WG2066865
tert-Butylbenzene	U		0.0620	0.200	1	05/26/2023 00:25	WG2066865
Carbon tetrachloride	U		0.0432	0.200	1	05/26/2023 00:25	WG2066865
Chlorobenzene	U		0.0229	0.100	1	05/26/2023 00:25	WG2066865
Chlorodibromomethane	U		0.0180	0.100	1	05/26/2023 00:25	WG2066865
Chloroethane	U		0.0432	0.200	1	05/26/2023 00:25	WG2066865
Chloroform	U		0.0166	0.100	1	05/26/2023 00:25	WG2066865
Chloromethane	U		0.0556	0.500	1	05/26/2023 00:25	WG2066865
2-Chlorotoluene	U		0.0368	0.100	1	05/26/2023 00:25	WG2066865
4-Chlorotoluene	U		0.0452	0.200	1	05/26/2023 00:25	WG2066865
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/26/2023 00:25	WG2066865
1,2-Dibromoethane	U		0.0210	0.100	1	05/26/2023 00:25	WG2066865
Dibromomethane	U		0.0400	0.200	1	05/26/2023 00:25	WG2066865
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/26/2023 00:25	WG2066865
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/26/2023 00:25	WG2066865
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/26/2023 00:25	WG2066865
Dichlorodifluoromethane	U		0.0327	0.100	1	05/26/2023 00:25	WG2066865
1,1-Dichloroethane	U		0.0230	0.100	1	05/26/2023 00:25	WG2066865
1,2-Dichloroethane	U		0.0190	0.100	1	05/26/2023 00:25	WG2066865
1,1-Dichloroethene	U		0.0200	0.100	1	05/26/2023 00:25	WG2066865
cis-1,2-Dichloroethene	3.65		0.0276	0.100	1	05/26/2023 00:25	WG2066865
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/26/2023 00:25	WG2066865
1,2-Dichloropropane	U		0.0508	0.200	1	05/26/2023 00:25	WG2066865
1,1-Dichloropropene	U		0.0280	0.100	1	05/26/2023 00:25	WG2066865
1,3-Dichloropropane	U		0.0700	0.200	1	05/26/2023 00:25	WG2066865
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/26/2023 00:25	WG2066865
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/26/2023 00:25	WG2066865
2,2-Dichloropropane	U		0.0317	0.100	1	05/26/2023 00:25	WG2066865
Di-isopropyl ether	U		0.0140	0.0400	1	05/26/2023 00:25	WG2066865
Ethylbenzene	U		0.0212	0.100	1	05/26/2023 00:25	WG2066865
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/26/2023 00:25	WG2066865
Isopropylbenzene	U	UJ C3	0.0345	0.100	1	05/26/2023 00:25	WG2066865
p-Isopropyltoluene	U		0.0932	0.200	1	05/26/2023 00:25	WG2066865
2-Butanone (MEK)	U		0.500	1.00	1	05/26/2023 00:25	WG2066865
Methylene Chloride	U		0.265	1.00	1	05/26/2023 00:25	WG2066865
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/26/2023 00:25	WG2066865
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/26/2023 00:25	WG2066865
Naphthalene	U	UJ C3	0.124	0.500	1	05/26/2023 00:25	WG2066865
n-Propylbenzene	U	UJ C3	0.0472	0.200	1	05/26/2023 00:25	WG2066865
Styrene	U	UJ C3	0.109	0.500	1	05/26/2023 00:25	WG2066865
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/26/2023 00:25	WG2066865
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/26/2023 00:25	WG2066865
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/26/2023 00:25	WG2066865
Tetrachloroethene	U		0.0280	0.100	1	05/26/2023 00:25	WG2066865
Toluene	U		0.0500	0.200	1	05/26/2023 00:25	WG2066865
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/26/2023 00:25	WG2066865
1,2,4-Trichlorobenzene	U	UJ C3	0.193	0.500	1	05/26/2023 00:25	WG2066865
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/26/2023 00:25	WG2066865

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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	05/26/2023 00:25	WG2066865
Trichloroethene	0.496		0.0160	0.0400	1	05/26/2023 00:25	WG2066865
Trichlorofluoromethane	U		0.0200	0.100	1	05/26/2023 00:25	WG2066865
1,2,3-Trichloropropane	U		0.204	0.500	1	05/26/2023 00:25	WG2066865
1,2,4-Trimethylbenzene	U	UJ C3	0.0464	0.200	1	05/26/2023 00:25	WG2066865
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/26/2023 00:25	WG2066865
1,3,5-Trimethylbenzene	U	UJ C3	0.0432	0.200	1	05/26/2023 00:25	WG2066865
Vinyl chloride	U		0.0273	0.100	1	05/26/2023 00:25	WG2066865
Xylenes, Total	U		0.191	0.260	1	05/26/2023 00:25	WG2066865
Ethyl Ether	U		0.0170	0.100	1	05/26/2023 00:25	WG2066865
Tetrahydrofuran	U	UJ C3 ~~J3~~	0.0900	0.500	1	05/26/2023 00:25	WG2066865
Iodomethane	U		0.242	0.500	1	05/26/2023 00:25	WG2066865
Allyl chloride	U		0.580	1.00	1	05/26/2023 00:25	WG2066865
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/26/2023 00:25	WG2066865
(S) Toluene-d8	*104*			*75.0-131*		*05/26/2023 00:25*	WG2066865
(S) 4-Bromofluorobenzene	*97.7*			*67.0-138*		*05/26/2023 00:25*	WG2066865
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*05/26/2023 00:25*	WG2066865

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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		5.48	10.0	10	05/26/2023 01:42	WG2066865
Acrylonitrile	U		0.760	5.00	10	05/26/2023 01:42	WG2066865
Benzene	U		0.160	0.400	10	05/26/2023 01:42	WG2066865
Bromobenzene	U		0.420	5.00	10	05/26/2023 01:42	WG2066865
Bromodichloromethane	U		0.315	1.00	10	05/26/2023 01:42	WG2066865
Bromoform	U	UJ C3	2.39	10.0	10	05/26/2023 01:42	WG2066865
Bromomethane	U		1.48	5.00	10	05/26/2023 01:42	WG2066865
n-Butylbenzene	U	UJ C3	1.53	5.00	10	05/26/2023 01:42	WG2066865
sec-Butylbenzene	U		1.01	5.00	10	05/26/2023 01:42	WG2066865
tert-Butylbenzene	U		0.620	2.00	10	05/26/2023 01:42	WG2066865
Carbon tetrachloride	U		0.432	2.00	10	05/26/2023 01:42	WG2066865
Chlorobenzene	U		0.229	1.00	10	05/26/2023 01:42	WG2066865
Chlorodibromomethane	U		0.180	1.00	10	05/26/2023 01:42	WG2066865
Chloroethane	U		0.432	2.00	10	05/26/2023 01:42	WG2066865
Chloroform	U		0.166	1.00	10	05/26/2023 01:42	WG2066865
Chloromethane	U		0.556	5.00	10	05/26/2023 01:42	WG2066865
2-Chlorotoluene	U		0.368	1.00	10	05/26/2023 01:42	WG2066865
4-Chlorotoluene	U		0.452	2.00	10	05/26/2023 01:42	WG2066865
1,2-Dibromo-3-Chloropropane	U	UJ C3	2.04	10.0	10	05/26/2023 01:42	WG2066865
1,2-Dibromoethane	U		0.210	1.00	10	05/26/2023 01:42	WG2066865
Dibromomethane	U		0.400	2.00	10	05/26/2023 01:42	WG2066865
1,2-Dichlorobenzene	U		0.580	2.00	10	05/26/2023 01:42	WG2066865
1,3-Dichlorobenzene	U		0.680	2.00	10	05/26/2023 01:42	WG2066865
1,4-Dichlorobenzene	U		0.788	2.00	10	05/26/2023 01:42	WG2066865
Dichlorodifluoromethane	U		0.327	1.00	10	05/26/2023 01:42	WG2066865
1,1-Dichloroethane	U		0.230	1.00	10	05/26/2023 01:42	WG2066865
1,2-Dichloroethane	U		0.190	1.00	10	05/26/2023 01:42	WG2066865
1,1-Dichloroethene	U		0.200	1.00	10	05/26/2023 01:42	WG2066865
cis-1,2-Dichloroethene	199		0.276	1.00	10	05/26/2023 01:42	WG2066865
trans-1,2-Dichloroethene	U		0.572	2.00	10	05/26/2023 01:42	WG2066865
1,2-Dichloropropane	U		0.508	2.00	10	05/26/2023 01:42	WG2066865
1,1-Dichloropropene	U		0.280	1.00	10	05/26/2023 01:42	WG2066865
1,3-Dichloropropane	U		0.700	2.00	10	05/26/2023 01:42	WG2066865
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/26/2023 01:42	WG2066865
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/26/2023 01:42	WG2066865
2,2-Dichloropropane	U		0.317	1.00	10	05/26/2023 01:42	WG2066865
Di-isopropyl ether	U		0.140	0.400	10	05/26/2023 01:42	WG2066865
Ethylbenzene	U		0.212	1.00	10	05/26/2023 01:42	WG2066865
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/26/2023 01:42	WG2066865
Isopropylbenzene	U	UJ C3	0.345	1.00	10	05/26/2023 01:42	WG2066865
p-Isopropyltoluene	U		0.932	2.00	10	05/26/2023 01:42	WG2066865
2-Butanone (MEK)	U		5.00	10.0	10	05/26/2023 01:42	WG2066865
Methylene Chloride	U		2.65	10.0	10	05/26/2023 01:42	WG2066865
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/26/2023 01:42	WG2066865
Methyl tert-butyl ether	U		0.118	0.400	10	05/26/2023 01:42	WG2066865
Naphthalene	U	UJ C3	1.24	5.00	10	05/26/2023 01:42	WG2066865
n-Propylbenzene	U	UJ C3	0.472	2.00	10	05/26/2023 01:42	WG2066865
Styrene	U	UJ C3	1.09	5.00	10	05/26/2023 01:42	WG2066865
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/26/2023 01:42	WG2066865
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/26/2023 01:42	WG2066865
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/26/2023 01:42	WG2066865
Tetrachloroethene	143		0.280	1.00	10	05/26/2023 01:42	WG2066865
Toluene	U		0.500	2.00	10	05/26/2023 01:42	WG2066865
1,2,3-Trichlorobenzene	U	UJ C3	0.250	5.00	10	05/26/2023 01:42	WG2066865
1,2,4-Trichlorobenzene	U	UJ C3	1.93	5.00	10	05/26/2023 01:42	WG2066865
1,1,1-Trichloroethane	U		0.110	1.00	10	05/26/2023 01:42	WG2066865

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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	05/26/2023 01:42	WG2066865
Trichloroethene	155		0.160	0.400	10	05/26/2023 01:42	WG2066865
Trichlorofluoromethane	U		0.200	1.00	10	05/26/2023 01:42	WG2066865
1,2,3-Trichloropropane	U		2.04	5.00	10	05/26/2023 01:42	WG2066865
1,2,4-Trimethylbenzene	U	UJ C3	0.464	2.00	10	05/26/2023 01:42	WG2066865
1,2,3-Trimethylbenzene	U		0.460	2.00	10	05/26/2023 01:42	WG2066865
1,3,5-Trimethylbenzene	U	UJ C3	0.432	2.00	10	05/26/2023 01:42	WG2066865
Vinyl chloride	U		0.273	1.00	10	05/26/2023 01:42	WG2066865
Xylenes, Total	U		1.91	2.60	10	05/26/2023 01:42	WG2066865
Ethyl Ether	U		0.170	1.00	10	05/26/2023 01:42	WG2066865
Tetrahydrofuran	U	UJ C3 J3	0.900	5.00	10	05/26/2023 01:42	WG2066865
Iodomethane	U		2.42	5.00	10	05/26/2023 01:42	WG2066865
Allyl chloride	U		5.80	10.0	10	05/26/2023 01:42	WG2066865
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/26/2023 01:42	WG2066865
(S) Toluene-d8	*102*			*75.0-131*		*05/26/2023 01:42*	WG2066865
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*05/26/2023 01:42*	WG2066865
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/26/2023 01:42*	WG2066865

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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	1.74 U	~~B~~	0.548	1.00	1	05/27/2023 19:09	WG2067719
Acrylonitrile	U		0.0760	0.500	1	05/27/2023 19:09	WG2067719
Benzene	0.0270	J	0.0160	0.0400	1	05/27/2023 19:09	WG2067719
Bromobenzene	U		0.0420	0.500	1	05/27/2023 19:09	WG2067719
Bromodichloromethane	U		0.0315	0.100	1	05/27/2023 19:09	WG2067719
Bromoform	U		0.239	1.00	1	05/27/2023 19:09	WG2067719
Bromomethane	U		0.148	0.500	1	05/27/2023 19:09	WG2067719
n-Butylbenzene	U		0.153	0.500	1	05/27/2023 19:09	WG2067719
sec-Butylbenzene	U		0.101	0.500	1	05/27/2023 19:09	WG2067719
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2023 19:09	WG2067719
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2023 19:09	WG2067719
Chlorobenzene	U		0.0229	0.100	1	05/27/2023 19:09	WG2067719
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2023 19:09	WG2067719
Chloroethane	U		0.0432	0.200	1	05/27/2023 19:09	WG2067719
Chloroform	U		0.0166	0.100	1	05/27/2023 19:09	WG2067719
Chloromethane	U		0.0556	0.500	1	05/27/2023 19:09	WG2067719
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2023 19:09	WG2067719
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2023 19:09	WG2067719
1,2-Dibromo-3-Chloropropane	U	UJ C3 J4	0.204	1.00	1	05/27/2023 19:09	WG2067719
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2023 19:09	WG2067719
Dibromomethane	U		0.0400	0.200	1	05/27/2023 19:09	WG2067719
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2023 19:09	WG2067719
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2023 19:09	WG2067719
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2023 19:09	WG2067719
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2023 19:09	WG2067719
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2023 19:09	WG2067719
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2023 19:09	WG2067719
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2023 19:09	WG2067719
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/27/2023 19:09	WG2067719
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2023 19:09	WG2067719
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2023 19:09	WG2067719
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2023 19:09	WG2067719
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2023 19:09	WG2067719
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2023 19:09	WG2067719
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2023 19:09	WG2067719
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2023 19:09	WG2067719
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2023 19:09	WG2067719
Ethylbenzene	0.138		0.0212	0.100	1	05/27/2023 19:09	WG2067719
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	05/27/2023 19:09	WG2067719
Isopropylbenzene	U		0.0345	0.100	1	05/27/2023 19:09	WG2067719
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2023 19:09	WG2067719
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2023 19:09	WG2067719
Methylene Chloride	U		0.265	1.00	1	05/27/2023 19:09	WG2067719
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2023 19:09	WG2067719
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2023 19:09	WG2067719
Naphthalene	U	UJ C3 J3 J4	0.124	0.500	1	05/27/2023 19:09	WG2067719
n-Propylbenzene	U		0.0472	0.200	1	05/27/2023 19:09	WG2067719
Styrene	U		0.109	0.500	1	05/27/2023 19:09	WG2067719
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2023 19:09	WG2067719
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/27/2023 19:09	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2023 19:09	WG2067719
Tetrachloroethene	U		0.0280	0.100	1	05/27/2023 19:09	WG2067719
Toluene	0.793		0.0500	0.200	1	05/27/2023 19:09	WG2067719
1,2,3-Trichlorobenzene	U	UJ C3 J3 J4	0.0250	0.500	1	05/27/2023 19:09	WG2067719
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/27/2023 19:09	WG2067719
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2023 19:09	WG2067719

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 19:09	WG2067719
Trichloroethene	U		0.0160	0.0400	1	05/27/2023 19:09	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 19:09	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 19:09	WG2067719
1,2,4-Trimethylbenzene	0.132	J	0.0464	0.200	1	05/27/2023 19:09	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 19:09	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 19:09	WG2067719
Vinyl chloride	U		0.0273	0.100	1	05/27/2023 19:09	WG2067719
Xylenes, Total	0.870		0.191	0.260	1	05/27/2023 19:09	WG2067719
Ethyl Ether	U		0.0170	0.100	1	05/27/2023 19:09	WG2067719
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2023 19:09	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 19:09	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 19:09	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 19:09	WG2067719
(S) Toluene-d8	*101*			*75.0-131*		*05/27/2023 19:09*	WG2067719
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*05/27/2023 19:09*	WG2067719
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/27/2023 19:09*	WG2067719

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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
Acetone	1.58 U	~~B~~	0.548	1.00	1	05/27/2023 19:28	WG2067719
Acrylonitrile	U		0.0760	0.500	1	05/27/2023 19:28	WG2067719
Benzene	U		0.0160	0.0400	1	05/27/2023 19:28	WG2067719
Bromobenzene	U		0.0420	0.500	1	05/27/2023 19:28	WG2067719
Bromodichloromethane	U		0.0315	0.100	1	05/27/2023 19:28	WG2067719
Bromoform	U		0.239	1.00	1	05/27/2023 19:28	WG2067719
Bromomethane	U		0.148	0.500	1	05/27/2023 19:28	WG2067719
n-Butylbenzene	U		0.153	0.500	1	05/27/2023 19:28	WG2067719
sec-Butylbenzene	U		0.101	0.500	1	05/27/2023 19:28	WG2067719
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2023 19:28	WG2067719
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2023 19:28	WG2067719
Chlorobenzene	U		0.0229	0.100	1	05/27/2023 19:28	WG2067719
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2023 19:28	WG2067719
Chloroethane	U		0.0432	0.200	1	05/27/2023 19:28	WG2067719
Chloroform	U		0.0166	0.100	1	05/27/2023 19:28	WG2067719
Chloromethane	U		0.0556	0.500	1	05/27/2023 19:28	WG2067719
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2023 19:28	WG2067719
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2023 19:28	WG2067719
1,2-Dibromo-3-Chloropropane	U	UJ C3 J4	0.204	1.00	1	05/27/2023 19:28	WG2067719
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2023 19:28	WG2067719
Dibromomethane	U		0.0400	0.200	1	05/27/2023 19:28	WG2067719
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2023 19:28	WG2067719
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2023 19:28	WG2067719
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2023 19:28	WG2067719
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2023 19:28	WG2067719
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2023 19:28	WG2067719
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2023 19:28	WG2067719
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2023 19:28	WG2067719
cis-1,2-Dichloroethene	8.18		0.0276	0.100	1	05/27/2023 19:28	WG2067719
trans-1,2-Dichloroethene	0.0730	J	0.0572	0.200	1	05/27/2023 19:28	WG2067719
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2023 19:28	WG2067719
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2023 19:28	WG2067719
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2023 19:28	WG2067719
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2023 19:28	WG2067719
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2023 19:28	WG2067719
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2023 19:28	WG2067719
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2023 19:28	WG2067719
Ethylbenzene	U		0.0212	0.100	1	05/27/2023 19:28	WG2067719
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	05/27/2023 19:28	WG2067719
Isopropylbenzene	U		0.0345	0.100	1	05/27/2023 19:28	WG2067719
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2023 19:28	WG2067719
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2023 19:28	WG2067719
Methylene Chloride	U		0.265	1.00	1	05/27/2023 19:28	WG2067719
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2023 19:28	WG2067719
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2023 19:28	WG2067719
Naphthalene	U	UJ C3 J3 J4	0.124	0.500	1	05/27/2023 19:28	WG2067719
n-Propylbenzene	U		0.0472	0.200	1	05/27/2023 19:28	WG2067719
Styrene	U		0.109	0.500	1	05/27/2023 19:28	WG2067719
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2023 19:28	WG2067719
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/27/2023 19:28	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2023 19:28	WG2067719
Tetrachloroethene	0.626		0.0280	0.100	1	05/27/2023 19:28	WG2067719
Toluene	U		0.0500	0.200	1	05/27/2023 19:28	WG2067719
1,2,3-Trichlorobenzene	U	UJ C3 J3 J4	0.0250	0.500	1	05/27/2023 19:28	WG2067719
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/27/2023 19:28	WG2067719
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2023 19:28	WG2067719

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 19:28	WG2067719
Trichloroethene	2.68		0.0160	0.0400	1	05/27/2023 19:28	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 19:28	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 19:28	WG2067719
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2023 19:28	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 19:28	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 19:28	WG2067719
Vinyl chloride	U		0.0273	0.100	1	05/27/2023 19:28	WG2067719
Xylenes, Total	U		0.191	0.260	1	05/27/2023 19:28	WG2067719
Ethyl Ether	U		0.0170	0.100	1	05/27/2023 19:28	WG2067719
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2023 19:28	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 19:28	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 19:28	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 19:28	WG2067719
(S) Toluene-d8	*99.5*			*75.0-131*		*05/27/2023 19:28*	WG2067719
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/27/2023 19:28*	WG2067719
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/27/2023 19:28*	WG2067719

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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	1.27 U	~~B~~	0.548	1.00	1	05/27/2023 19:47	WG2067719
Acrylonitrile	U		0.0760	0.500	1	05/27/2023 19:47	WG2067719
Benzene	0.185		0.0160	0.0400	1	05/27/2023 19:47	WG2067719
Bromobenzene	U		0.0420	0.500	1	05/27/2023 19:47	WG2067719
Bromodichloromethane	U		0.0315	0.100	1	05/27/2023 19:47	WG2067719
Bromoform	U		0.239	1.00	1	05/27/2023 19:47	WG2067719
Bromomethane	U		0.148	0.500	1	05/27/2023 19:47	WG2067719
n-Butylbenzene	U		0.153	0.500	1	05/27/2023 19:47	WG2067719
sec-Butylbenzene	U		0.101	0.500	1	05/27/2023 19:47	WG2067719
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2023 19:47	WG2067719
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2023 19:47	WG2067719
Chlorobenzene	U		0.0229	0.100	1	05/27/2023 19:47	WG2067719
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2023 19:47	WG2067719
Chloroethane	U		0.0432	0.200	1	05/27/2023 19:47	WG2067719
Chloroform	U		0.0166	0.100	1	05/27/2023 19:47	WG2067719
Chloromethane	U		0.0556	0.500	1	05/27/2023 19:47	WG2067719
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2023 19:47	WG2067719
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2023 19:47	WG2067719
1,2-Dibromo-3-Chloropropane	U	UJ C3 J4	0.204	1.00	1	05/27/2023 19:47	WG2067719
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2023 19:47	WG2067719
Dibromomethane	U		0.0400	0.200	1	05/27/2023 19:47	WG2067719
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2023 19:47	WG2067719
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2023 19:47	WG2067719
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2023 19:47	WG2067719
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2023 19:47	WG2067719
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2023 19:47	WG2067719
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2023 19:47	WG2067719
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2023 19:47	WG2067719
cis-1,2-Dichloroethene	8.79		0.0276	0.100	1	05/27/2023 19:47	WG2067719
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2023 19:47	WG2067719
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2023 19:47	WG2067719
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2023 19:47	WG2067719
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2023 19:47	WG2067719
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2023 19:47	WG2067719
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2023 19:47	WG2067719
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2023 19:47	WG2067719
Di-isopropyl ether	0.0820		0.0140	0.0400	1	05/27/2023 19:47	WG2067719
Ethylbenzene	U		0.0212	0.100	1	05/27/2023 19:47	WG2067719
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	05/27/2023 19:47	WG2067719
Isopropylbenzene	U		0.0345	0.100	1	05/27/2023 19:47	WG2067719
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2023 19:47	WG2067719
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2023 19:47	WG2067719
Methylene Chloride	U		0.265	1.00	1	05/27/2023 19:47	WG2067719
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2023 19:47	WG2067719
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2023 19:47	WG2067719
Naphthalene	U	UJ C3 J3 J4	0.124	0.500	1	05/27/2023 19:47	WG2067719
n-Propylbenzene	U		0.0472	0.200	1	05/27/2023 19:47	WG2067719
Styrene	U		0.109	0.500	1	05/27/2023 19:47	WG2067719
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2023 19:47	WG2067719
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/27/2023 19:47	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2023 19:47	WG2067719
Tetrachloroethene	U		0.0280	0.100	1	05/27/2023 19:47	WG2067719
Toluene	U		0.0500	0.200	1	05/27/2023 19:47	WG2067719
1,2,3-Trichlorobenzene	U	UJ C3 J3 J4	0.0250	0.500	1	05/27/2023 19:47	WG2067719
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/27/2023 19:47	WG2067719
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2023 19:47	WG2067719

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 19:47	WG2067719
Trichloroethene	U		0.0160	0.0400	1	05/27/2023 19:47	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 19:47	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 19:47	WG2067719
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2023 19:47	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 19:47	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 19:47	WG2067719
Vinyl chloride	24.5		0.0273	0.100	1	05/27/2023 19:47	WG2067719
Xylenes, Total	U		0.191	0.260	1	05/27/2023 19:47	WG2067719
Ethyl Ether	U		0.0170	0.100	1	05/27/2023 19:47	WG2067719
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2023 19:47	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 19:47	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 19:47	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 19:47	WG2067719
(S) Toluene-d8	*99.9*			*75.0-131*		*05/27/2023 19:47*	WG2067719
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*		*05/27/2023 19:47*	WG2067719
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/27/2023 19:47*	WG2067719

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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	1.63 U	~~B~~	0.548	1.00	1	05/27/2023 20:05	WG2067719
Acrylonitrile	U		0.0760	0.500	1	05/27/2023 20:05	WG2067719
Benzene	2.96		0.0160	0.0400	1	05/27/2023 20:05	WG2067719
Bromobenzene	U		0.0420	0.500	1	05/27/2023 20:05	WG2067719
Bromodichloromethane	U		0.0315	0.100	1	05/27/2023 20:05	WG2067719
Bromoform	U		0.239	1.00	1	05/27/2023 20:05	WG2067719
Bromomethane	U		0.148	0.500	1	05/27/2023 20:05	WG2067719
n-Butylbenzene	U		0.153	0.500	1	05/27/2023 20:05	WG2067719
sec-Butylbenzene	U		0.101	0.500	1	05/27/2023 20:05	WG2067719
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2023 20:05	WG2067719
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2023 20:05	WG2067719
Chlorobenzene	U		0.0229	0.100	1	05/27/2023 20:05	WG2067719
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2023 20:05	WG2067719
Chloroethane	U		0.0432	0.200	1	05/27/2023 20:05	WG2067719
Chloroform	U		0.0166	0.100	1	05/27/2023 20:05	WG2067719
Chloromethane	U		0.0556	0.500	1	05/27/2023 20:05	WG2067719
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2023 20:05	WG2067719
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2023 20:05	WG2067719
1,2-Dibromo-3-Chloropropane	U	UJ C3 J4	0.204	1.00	1	05/27/2023 20:05	WG2067719
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2023 20:05	WG2067719
Dibromomethane	U		0.0400	0.200	1	05/27/2023 20:05	WG2067719
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2023 20:05	WG2067719
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2023 20:05	WG2067719
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2023 20:05	WG2067719
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2023 20:05	WG2067719
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2023 20:05	WG2067719
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2023 20:05	WG2067719
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2023 20:05	WG2067719
cis-1,2-Dichloroethene	0.0530	J	0.0276	0.100	1	05/27/2023 20:05	WG2067719
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2023 20:05	WG2067719
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2023 20:05	WG2067719
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2023 20:05	WG2067719
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2023 20:05	WG2067719
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2023 20:05	WG2067719
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2023 20:05	WG2067719
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2023 20:05	WG2067719
Di-isopropyl ether	0.223		0.0140	0.0400	1	05/27/2023 20:05	WG2067719
Ethylbenzene	U		0.0212	0.100	1	05/27/2023 20:05	WG2067719
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	05/27/2023 20:05	WG2067719
Isopropylbenzene	U		0.0345	0.100	1	05/27/2023 20:05	WG2067719
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2023 20:05	WG2067719
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2023 20:05	WG2067719
Methylene Chloride	U		0.265	1.00	1	05/27/2023 20:05	WG2067719
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2023 20:05	WG2067719
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2023 20:05	WG2067719
Naphthalene	U	UJ C3 J3 J4	0.124	0.500	1	05/27/2023 20:05	WG2067719
n-Propylbenzene	U		0.0472	0.200	1	05/27/2023 20:05	WG2067719
Styrene	U		0.109	0.500	1	05/27/2023 20:05	WG2067719
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2023 20:05	WG2067719
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/27/2023 20:05	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2023 20:05	WG2067719
Tetrachloroethene	U		0.0280	0.100	1	05/27/2023 20:05	WG2067719
Toluene	U		0.0500	0.200	1	05/27/2023 20:05	WG2067719
1,2,3-Trichlorobenzene	U	UJ C3 J3 J4	0.0250	0.500	1	05/27/2023 20:05	WG2067719
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/27/2023 20:05	WG2067719 JC 6/20/23
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2023 20:05	WG2067719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 20:05	WG2067719
Trichloroethene	U		0.0160	0.0400	1	05/27/2023 20:05	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 20:05	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 20:05	WG2067719
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2023 20:05	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 20:05	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 20:05	WG2067719
Vinyl chloride	0.874		0.0273	0.100	1	05/27/2023 20:05	WG2067719
Xylenes, Total	U		0.191	0.260	1	05/27/2023 20:05	WG2067719
Ethyl Ether	U		0.0170	0.100	1	05/27/2023 20:05	WG2067719
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2023 20:05	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 20:05	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 20:05	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 20:05	WG2067719
(S) Toluene-d8	*102*			*75.0-131*		*05/27/2023 20:05*	WG2067719
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*		*05/27/2023 20:05*	WG2067719
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*05/27/2023 20:05*	WG2067719

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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	2.90 U	~~B~~	0.548	1.00	1	05/27/2023 20:24	WG2067719
Acrylonitrile	U		0.0760	0.500	1	05/27/2023 20:24	WG2067719
Benzene	19.7		0.0160	0.0400	1	05/27/2023 20:24	WG2067719
Bromobenzene	U		0.0420	0.500	1	05/27/2023 20:24	WG2067719
Bromodichloromethane	U		0.0315	0.100	1	05/27/2023 20:24	WG2067719
Bromoform	U		0.239	1.00	1	05/27/2023 20:24	WG2067719
Bromomethane	U		0.148	0.500	1	05/27/2023 20:24	WG2067719
n-Butylbenzene	U		0.153	0.500	1	05/27/2023 20:24	WG2067719
sec-Butylbenzene	U		0.101	0.500	1	05/27/2023 20:24	WG2067719
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2023 20:24	WG2067719
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2023 20:24	WG2067719
Chlorobenzene	U		0.0229	0.100	1	05/27/2023 20:24	WG2067719
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2023 20:24	WG2067719
Chloroethane	U		0.0432	0.200	1	05/27/2023 20:24	WG2067719
Chloroform	U		0.0166	0.100	1	05/27/2023 20:24	WG2067719
Chloromethane	U		0.0556	0.500	1	05/27/2023 20:24	WG2067719
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2023 20:24	WG2067719
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2023 20:24	WG2067719
1,2-Dibromo-3-Chloropropane	U	UJ C3 J4	0.204	1.00	1	05/27/2023 20:24	WG2067719
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2023 20:24	WG2067719
Dibromomethane	U		0.0400	0.200	1	05/27/2023 20:24	WG2067719
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2023 20:24	WG2067719
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2023 20:24	WG2067719
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2023 20:24	WG2067719
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2023 20:24	WG2067719
1,1-Dichloroethane	0.0270	J	0.0230	0.100	1	05/27/2023 20:24	WG2067719
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2023 20:24	WG2067719
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2023 20:24	WG2067719
cis-1,2-Dichloroethene	4.42		0.0276	0.100	1	05/27/2023 20:24	WG2067719
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2023 20:24	WG2067719
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2023 20:24	WG2067719
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2023 20:24	WG2067719
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2023 20:24	WG2067719
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2023 20:24	WG2067719
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2023 20:24	WG2067719
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2023 20:24	WG2067719
Di-isopropyl ether	0.299		0.0140	0.0400	1	05/27/2023 20:24	WG2067719
Ethylbenzene	U		0.0212	0.100	1	05/27/2023 20:24	WG2067719
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	05/27/2023 20:24	WG2067719
Isopropylbenzene	U		0.0345	0.100	1	05/27/2023 20:24	WG2067719
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2023 20:24	WG2067719
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2023 20:24	WG2067719
Methylene Chloride	U		0.265	1.00	1	05/27/2023 20:24	WG2067719
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2023 20:24	WG2067719
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2023 20:24	WG2067719
Naphthalene	U	UJ C3 J3 J4	0.124	0.500	1	05/27/2023 20:24	WG2067719
n-Propylbenzene	U		0.0472	0.200	1	05/27/2023 20:24	WG2067719
Styrene	U		0.109	0.500	1	05/27/2023 20:24	WG2067719
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2023 20:24	WG2067719
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/27/2023 20:24	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2023 20:24	WG2067719
Tetrachloroethene	U		0.0280	0.100	1	05/27/2023 20:24	WG2067719
Toluene	U		0.0500	0.200	1	05/27/2023 20:24	WG2067719
1,2,3-Trichlorobenzene	U	UJ C3 J3 J4	0.0250	0.500	1	05/27/2023 20:24	WG2067719
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/27/2023 20:24	WG2067719
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2023 20:24	WG2067719

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 20:24	WG2067719
Trichloroethene	U		0.0160	0.0400	1	05/27/2023 20:24	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 20:24	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 20:24	WG2067719
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2023 20:24	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 20:24	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 20:24	WG2067719
Vinyl chloride	23.2		0.0273	0.100	1	05/27/2023 20:24	WG2067719
Xylenes, Total	U		0.191	0.260	1	05/27/2023 20:24	WG2067719
Ethyl Ether	0.118		0.0170	0.100	1	05/27/2023 20:24	WG2067719
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2023 20:24	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 20:24	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 20:24	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 20:24	WG2067719
(S) Toluene-d8	*102*			*75.0-131*		*05/27/2023 20:24*	WG2067719
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/27/2023 20:24*	WG2067719
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/27/2023 20:24*	WG2067719

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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
Acetone	2.41	U	~~B~~	0.548	1.00	1	05/27/2023 20:43	WG2067719
Acrylonitrile	U			0.0760	0.500	1	05/27/2023 20:43	WG2067719
Benzene	U			0.0160	0.0400	1	05/27/2023 20:43	WG2067719
Bromobenzene	U			0.0420	0.500	1	05/27/2023 20:43	WG2067719
Bromodichloromethane	U			0.0315	0.100	1	05/27/2023 20:43	WG2067719
Bromoform	U			0.239	1.00	1	05/27/2023 20:43	WG2067719
Bromomethane	U			0.148	0.500	1	05/27/2023 20:43	WG2067719
n-Butylbenzene	U			0.153	0.500	1	05/27/2023 20:43	WG2067719
sec-Butylbenzene	U			0.101	0.500	1	05/27/2023 20:43	WG2067719
tert-Butylbenzene	U			0.0620	0.200	1	05/27/2023 20:43	WG2067719
Carbon tetrachloride	U			0.0432	0.200	1	05/27/2023 20:43	WG2067719
Chlorobenzene	U			0.0229	0.100	1	05/27/2023 20:43	WG2067719
Chlorodibromomethane	U			0.0180	0.100	1	05/27/2023 20:43	WG2067719
Chloroethane	U			0.0432	0.200	1	05/27/2023 20:43	WG2067719
Chloroform	U			0.0166	0.100	1	05/27/2023 20:43	WG2067719
Chloromethane	U			0.0556	0.500	1	05/27/2023 20:43	WG2067719
2-Chlorotoluene	U			0.0368	0.100	1	05/27/2023 20:43	WG2067719
4-Chlorotoluene	U			0.0452	0.200	1	05/27/2023 20:43	WG2067719
1,2-Dibromo-3-Chloropropane	U	UJ	C3 J4	0.204	1.00	1	05/27/2023 20:43	WG2067719
1,2-Dibromoethane	U			0.0210	0.100	1	05/27/2023 20:43	WG2067719
Dibromomethane	U			0.0400	0.200	1	05/27/2023 20:43	WG2067719
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/27/2023 20:43	WG2067719
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/27/2023 20:43	WG2067719
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/27/2023 20:43	WG2067719
Dichlorodifluoromethane	U			0.0327	0.100	1	05/27/2023 20:43	WG2067719
1,1-Dichloroethane	U			0.0230	0.100	1	05/27/2023 20:43	WG2067719
1,2-Dichloroethane	U			0.0190	0.100	1	05/27/2023 20:43	WG2067719
1,1-Dichloroethene	U			0.0200	0.100	1	05/27/2023 20:43	WG2067719
cis-1,2-Dichloroethene	U			0.0276	0.100	1	05/27/2023 20:43	WG2067719
trans-1,2-Dichloroethene	U			0.0572	0.200	1	05/27/2023 20:43	WG2067719
1,2-Dichloropropane	U			0.0508	0.200	1	05/27/2023 20:43	WG2067719
1,1-Dichloropropene	U			0.0280	0.100	1	05/27/2023 20:43	WG2067719
1,3-Dichloropropane	U			0.0700	0.200	1	05/27/2023 20:43	WG2067719
cis-1,3-Dichloropropene	U			0.0271	0.100	1	05/27/2023 20:43	WG2067719
trans-1,3-Dichloropropene	U			0.0612	0.200	1	05/27/2023 20:43	WG2067719
2,2-Dichloropropane	U			0.0317	0.100	1	05/27/2023 20:43	WG2067719
Di-isopropyl ether	U			0.0140	0.0400	1	05/27/2023 20:43	WG2067719
Ethylbenzene	U			0.0212	0.100	1	05/27/2023 20:43	WG2067719
Hexachloro-1,3-butadiene	U	UJ	C3	0.508	1.00	1	05/27/2023 20:43	WG2067719
Isopropylbenzene	U			0.0345	0.100	1	05/27/2023 20:43	WG2067719
p-Isopropyltoluene	U			0.0932	0.200	1	05/27/2023 20:43	WG2067719
2-Butanone (MEK)	U			0.500	1.00	1	05/27/2023 20:43	WG2067719
Methylene Chloride	U			0.265	1.00	1	05/27/2023 20:43	WG2067719
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	05/27/2023 20:43	WG2067719
Methyl tert-butyl ether	U			0.0118	0.0400	1	05/27/2023 20:43	WG2067719
Naphthalene	U	UJ	C3 J3 J4	0.124	0.500	1	05/27/2023 20:43	WG2067719
n-Propylbenzene	U			0.0472	0.200	1	05/27/2023 20:43	WG2067719
Styrene	U			0.109	0.500	1	05/27/2023 20:43	WG2067719
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	05/27/2023 20:43	WG2067719
1,1,2,2-Tetrachloroethane	U	UJ	C3	0.0156	0.100	1	05/27/2023 20:43	WG2067719
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	05/27/2023 20:43	WG2067719
Tetrachloroethene	U			0.0280	0.100	1	05/27/2023 20:43	WG2067719
Toluene	U			0.0500	0.200	1	05/27/2023 20:43	WG2067719
1,2,3-Trichlorobenzene	U	UJ	C3 J3 J4	0.0250	0.500	1	05/27/2023 20:43	WG2067719
1,2,4-Trichlorobenzene	U	UJ	C3 J4	0.193	0.500	1	05/27/2023 20:43	WG2067719
1,1,1-Trichloroethane	U			0.0110	0.100	1	05/27/2023 20:43	WG2067719

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 20:43	WG2067719
Trichloroethene	U		0.0160	0.0400	1	05/27/2023 20:43	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 20:43	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 20:43	WG2067719
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2023 20:43	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 20:43	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 20:43	WG2067719
Vinyl chloride	U		0.0273	0.100	1	05/27/2023 20:43	WG2067719
Xylenes, Total	U		0.191	0.260	1	05/27/2023 20:43	WG2067719
Ethyl Ether	U		0.0170	0.100	1	05/27/2023 20:43	WG2067719
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2023 20:43	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 20:43	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 20:43	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 20:43	WG2067719
(S) Toluene-d8	*107*			*75.0-131*		*05/27/2023 20:43*	WG2067719
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/27/2023 20:43*	WG2067719
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/27/2023 20:43*	WG2067719

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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	UJ	T8	2.74	5.00	5	06/02/2023 15:11	WG2069133
Acrylonitrile	U	UJ	T8	0.380	2.50	5	06/02/2023 15:11	WG2069133
Benzene	0.135	J	J T8	0.0800	0.200	5	06/02/2023 15:11	WG2069133
Bromobenzene	U	UJ	T8	0.210	2.50	5	06/02/2023 15:11	WG2069133
Bromodichloromethane	U		T8	0.158	0.500	5	06/02/2023 15:11	WG2069133
Bromoform	U		T8	1.20	5.00	5	06/02/2023 15:11	WG2069133
Bromomethane	U		C3 T8	0.740	2.50	5	06/02/2023 15:11	WG2069133
n-Butylbenzene	U		T8	0.765	2.50	5	06/02/2023 15:11	WG2069133
sec-Butylbenzene	U		T8	0.505	2.50	5	06/02/2023 15:11	WG2069133
tert-Butylbenzene	U		T8	0.310	1.00	5	06/02/2023 15:11	WG2069133
Carbon tetrachloride	U		T8	0.216	1.00	5	06/02/2023 15:11	WG2069133
Chlorobenzene	U		T8	0.115	0.500	5	06/02/2023 15:11	WG2069133
Chlorodibromomethane	U		T8	0.0900	0.500	5	06/02/2023 15:11	WG2069133
Chloroethane	U		T8	0.216	1.00	5	06/02/2023 15:11	WG2069133
Chloroform	U		T8	0.0830	0.500	5	06/02/2023 15:11	WG2069133
Chloromethane	U		T8	0.278	2.50	5	06/02/2023 15:11	WG2069133
2-Chlorotoluene	U		T8	0.184	0.500	5	06/02/2023 15:11	WG2069133
4-Chlorotoluene	U		T8	0.226	1.00	5	06/02/2023 15:11	WG2069133
1,2-Dibromo-3-Chloropropane	U		T8	1.02	5.00	5	06/02/2023 15:11	WG2069133
1,2-Dibromoethane	U		T8	0.105	0.500	5	06/02/2023 15:11	WG2069133
Dibromomethane	U		T8	0.200	1.00	5	06/02/2023 15:11	WG2069133
1,2-Dichlorobenzene	U		T8	0.290	1.00	5	06/02/2023 15:11	WG2069133
1,3-Dichlorobenzene	U		T8	0.340	1.00	5	06/02/2023 15:11	WG2069133
1,4-Dichlorobenzene	U		T8	0.394	1.00	5	06/02/2023 15:11	WG2069133
Dichlorodifluoromethane	U		T8	0.164	0.500	5	06/02/2023 15:11	WG2069133
1,1-Dichloroethane	U		T8	0.115	0.500	5	06/02/2023 15:11	WG2069133
1,2-Dichloroethane	U		T8	0.0950	0.500	5	06/02/2023 15:11	WG2069133
1,1-Dichloroethene	U	UJ	T8	0.100	0.500	5	06/02/2023 15:11	WG2069133
cis-1,2-Dichloroethene	8.65	J	T8	0.138	0.500	5	06/02/2023 15:11	WG2069133
trans-1,2-Dichloroethene	U	UJ	T8	0.286	1.00	5	06/02/2023 15:11	WG2069133
1,2-Dichloropropane	U		T8	0.254	1.00	5	06/02/2023 15:11	WG2069133
1,1-Dichloropropene	U		T8	0.140	0.500	5	06/02/2023 15:11	WG2069133
1,3-Dichloropropane	U		T8	0.350	1.00	5	06/02/2023 15:11	WG2069133
cis-1,3-Dichloropropene	U		T8	0.136	0.500	5	06/02/2023 15:11	WG2069133
trans-1,3-Dichloropropene	U		T8	0.306	1.00	5	06/02/2023 15:11	WG2069133
2,2-Dichloropropane	U		J3 T8	0.159	0.500	5	06/02/2023 15:11	WG2069133
Di-isopropyl ether	U		T8	0.0700	0.200	5	06/02/2023 15:11	WG2069133
Ethylbenzene	U		T8	0.106	0.500	5	06/02/2023 15:11	WG2069133
Hexachloro-1,3-butadiene	U		T8	2.54	5.00	5	06/02/2023 15:11	WG2069133
Isopropylbenzene	U		T8	0.173	0.500	5	06/02/2023 15:11	WG2069133
p-Isopropyltoluene	U	UJ	T8	0.466	1.00	5	06/02/2023 15:11	WG2069133
2-Butanone (MEK)	18.0	J	T8	2.50	5.00	5	06/02/2023 15:11	WG2069133
Methylene Chloride	U	UJ	T8	1.33	5.00	5	06/02/2023 15:11	WG2069133
4-Methyl-2-pentanone (MIBK)	U		T8	2.00	5.00	5	06/02/2023 15:11	WG2069133
Methyl tert-butyl ether	U		T8	0.0590	0.200	5	06/02/2023 15:11	WG2069133
Naphthalene	U		T8	0.620	2.50	5	06/02/2023 15:11	WG2069133
n-Propylbenzene	U		T8	0.236	1.00	5	06/02/2023 15:11	WG2069133
Styrene	U		T8	0.545	2.50	5	06/02/2023 15:11	WG2069133
1,1,1,2-Tetrachloroethane	U		T8	0.100	0.500	5	06/02/2023 15:11	WG2069133
1,1,2,2-Tetrachloroethane	U		T8	0.0780	0.500	5	06/02/2023 15:11	WG2069133
1,1,2-Trichlorotrifluoroethane	U	UJ	T8	0.135	0.500	5	06/02/2023 15:11	WG2069133
Tetrachloroethene	2.78	J	T8	0.140	0.500	5	06/02/2023 15:11	WG2069133
Toluene	0.280	U	J T8	0.250	1.00	5	06/02/2023 15:11	WG2069133
1,2,3-Trichlorobenzene	U	UJ	T8	0.125	2.50	5	06/02/2023 15:11	WG2069133
1,2,4-Trichlorobenzene	U	UJ	T8	0.965	2.50	5	06/02/2023 15:11	WG2069133
1,1,1-Trichloroethane	U	UJ	T8	0.0550	0.500	5	06/02/2023 15:11	WG2069133

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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	
1,1,2-Trichloroethane	U	UJ	T8	0.177	0.500	5	06/02/2023 15:11	WG2069133
Trichloroethene	0.900	J	T8	0.0800	0.200	5	06/02/2023 15:11	WG2069133
Trichlorofluoromethane	U	UJ	T8	0.100	0.500	5	06/02/2023 15:11	WG2069133
1,2,3-Trichloropropane	U	UJ	T8	1.02	2.50	5	06/02/2023 15:11	WG2069133
1,2,4-Trimethylbenzene	0.850	UJ	B J T8	0.232	1.00	5	06/02/2023 15:11	WG2069133
1,2,3-Trimethylbenzene	U	UJ	T8	0.230	1.00	5	06/02/2023 15:11	WG2069133
1,3,5-Trimethylbenzene	U	UJ	T8	0.216	1.00	5	06/02/2023 15:11	WG2069133
Vinyl chloride	116	J	T8	0.137	0.500	5	06/02/2023 15:11	WG2069133
Xylenes, Total	U	UJ	T8	0.955	1.30	5	06/02/2023 15:11	WG2069133
Ethyl Ether	U	UJ	T8	0.0850	0.500	5	06/02/2023 15:11	WG2069133
Tetrahydrofuran	1.79	J	J T8	0.450	2.50	5	06/02/2023 15:11	WG2069133
Iodomethane	U	UJ	T8	1.21	2.50	5	06/02/2023 15:11	WG2069133
Allyl chloride	U	UJ	T8	2.90	5.00	5	06/02/2023 15:11	WG2069133
Trans-1,4-Dichloro-2-butene	U	UJ	T8	0.280	1.00	5	06/02/2023 15:11	WG2069133
(S) Toluene-d8	*95.4*				*75.0-131*		*06/02/2023 15:11*	WG2069133
(S) 4-Bromofluorobenzene	*104*				*67.0-138*		*06/02/2023 15:11*	WG2069133
(S) 1,2-Dichloroethane-d4	*91.9*				*70.0-130*		*06/02/2023 15:11*	WG2069133

Sample Narrative:

L1618697-12 WG2069133: Lowest possible dilution due to sample foaming.

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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	
Acetone	2.63	U	~~B~~	0.548	1.00	1	05/27/2023 21:01	WG2067719	
Acrylonitrile	U			0.0760	0.500	1	05/27/2023 21:01	WG2067719	
Benzene	U			0.0160	0.0400	1	05/27/2023 21:01	WG2067719	
Bromobenzene	U			0.0420	0.500	1	05/27/2023 21:01	WG2067719	
Bromodichloromethane	U			0.0315	0.100	1	05/27/2023 21:01	WG2067719	
Bromoform	U			0.239	1.00	1	05/27/2023 21:01	WG2067719	
Bromomethane	U			0.148	0.500	1	05/27/2023 21:01	WG2067719	
n-Butylbenzene	U			0.153	0.500	1	05/27/2023 21:01	WG2067719	
sec-Butylbenzene	U			0.101	0.500	1	05/27/2023 21:01	WG2067719	
tert-Butylbenzene	U			0.0620	0.200	1	05/27/2023 21:01	WG2067719	
Carbon tetrachloride	U			0.0432	0.200	1	05/27/2023 21:01	WG2067719	
Chlorobenzene	U			0.0229	0.100	1	05/27/2023 21:01	WG2067719	
Chlorodibromomethane	U			0.0180	0.100	1	05/27/2023 21:01	WG2067719	
Chloroethane	U			0.0432	0.200	1	05/27/2023 21:01	WG2067719	
Chloroform	U			0.0166	0.100	1	05/27/2023 21:01	WG2067719	
Chloromethane	U			0.0556	0.500	1	05/27/2023 21:01	WG2067719	
2-Chlorotoluene	U			0.0368	0.100	1	05/27/2023 21:01	WG2067719	
4-Chlorotoluene	U			0.0452	0.200	1	05/27/2023 21:01	WG2067719	
1,2-Dibromo-3-Chloropropane	U	UJ	C3 J4	0.204	1.00	1	05/27/2023 21:01	WG2067719	
1,2-Dibromoethane	U			0.0210	0.100	1	05/27/2023 21:01	WG2067719	
Dibromomethane	U			0.0400	0.200	1	05/27/2023 21:01	WG2067719	
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/27/2023 21:01	WG2067719	
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/27/2023 21:01	WG2067719	
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/27/2023 21:01	WG2067719	
Dichlorodifluoromethane	U			0.0327	0.100	1	05/27/2023 21:01	WG2067719	
1,1-Dichloroethane	U			0.0230	0.100	1	05/27/2023 21:01	WG2067719	
1,2-Dichloroethane	U			0.0190	0.100	1	05/27/2023 21:01	WG2067719	
1,1-Dichloroethene	U			0.0200	0.100	1	05/27/2023 21:01	WG2067719	
cis-1,2-Dichloroethene	0.383			0.0276	0.100	1	05/27/2023 21:01	WG2067719	
trans-1,2-Dichloroethene	U			0.0572	0.200	1	05/27/2023 21:01	WG2067719	
1,2-Dichloropropane	U			0.0508	0.200	1	05/27/2023 21:01	WG2067719	
1,1-Dichloropropene	U			0.0280	0.100	1	05/27/2023 21:01	WG2067719	
1,3-Dichloropropane	U			0.0700	0.200	1	05/27/2023 21:01	WG2067719	
cis-1,3-Dichloropropene	U			0.0271	0.100	1	05/27/2023 21:01	WG2067719	
trans-1,3-Dichloropropene	U			0.0612	0.200	1	05/27/2023 21:01	WG2067719	
2,2-Dichloropropane	U			0.0317	0.100	1	05/27/2023 21:01	WG2067719	
Di-isopropyl ether	U			0.0140	0.0400	1	05/27/2023 21:01	WG2067719	
Ethylbenzene	U			0.0212	0.100	1	05/27/2023 21:01	WG2067719	
Hexachloro-1,3-butadiene	U	UJ	C3	0.508	1.00	1	05/27/2023 21:01	WG2067719	
Isopropylbenzene	U			0.0345	0.100	1	05/27/2023 21:01	WG2067719	
p-Isopropyltoluene	U			0.0932	0.200	1	05/27/2023 21:01	WG2067719	
2-Butanone (MEK)	U			0.500	1.00	1	05/27/2023 21:01	WG2067719	
Methylene Chloride	U			0.265	1.00	1	05/27/2023 21:01	WG2067719	
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	05/27/2023 21:01	WG2067719	
Methyl tert-butyl ether	U			0.0118	0.0400	1	05/27/2023 21:01	WG2067719	
Naphthalene	U	UJ	C3 J3 J4	0.124	0.500	1	05/27/2023 21:01	WG2067719	
n-Propylbenzene	U			0.0472	0.200	1	05/27/2023 21:01	WG2067719	
Styrene	U			0.109	0.500	1	05/27/2023 21:01	WG2067719	
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	05/27/2023 21:01	WG2067719	
1,1,2,2-Tetrachloroethane	U	UJ	C3	0.0156	0.100	1	05/27/2023 21:01	WG2067719	
1,1,2-Trichlorotrifluoroethane	U			0.0270	0.100	1	05/27/2023 21:01	WG2067719	
Tetrachloroethene	U			0.0280	0.100	1	05/27/2023 21:01	WG2067719	
Toluene	U			0.0500	0.200	1	05/27/2023 21:01	WG2067719	
1,2,3-Trichlorobenzene	U	UJ	C3 J3 J4	0.0250	0.500	1	05/27/2023 21:01	WG2067719	
1,2,4-Trichlorobenzene	U	UJ	C3 J4	0.193	0.500	1	05/27/2023 21:01	WG2067719	JC 6/20/23
1,1,1-Trichloroethane	U			0.0110	0.100	1	05/27/2023 21:01	WG2067719	

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 21:01	WG2067719
Trichloroethene	U		0.0160	0.0400	1	05/27/2023 21:01	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 21:01	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 21:01	WG2067719
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2023 21:01	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 21:01	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 21:01	WG2067719
Vinyl chloride	3.09		0.0273	0.100	1	05/27/2023 21:01	WG2067719
Xylenes, Total	U		0.191	0.260	1	05/27/2023 21:01	WG2067719
Ethyl Ether	0.105		0.0170	0.100	1	05/27/2023 21:01	WG2067719
Tetrahydrofuran	U		0.0900	0.500	1	05/27/2023 21:01	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 21:01	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 21:01	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 21:01	WG2067719
(S) Toluene-d8	*101*			*75.0-131*		*05/27/2023 21:01*	WG2067719
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*05/27/2023 21:01*	WG2067719
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/27/2023 21:01*	WG2067719

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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	24.9 U	B J	13.7	25.0	25	05/27/2023 23:33	WG2067719
Acrylonitrile	U		1.90	12.5	25	05/27/2023 23:33	WG2067719
Benzene	1.20		0.400	1.00	25	05/27/2023 23:33	WG2067719
Bromobenzene	U		1.05	12.5	25	05/27/2023 23:33	WG2067719
Bromodichloromethane	U		0.788	2.50	25	05/27/2023 23:33	WG2067719
Bromoform	U		5.98	25.0	25	05/27/2023 23:33	WG2067719
Bromomethane	U		3.70	12.5	25	05/27/2023 23:33	WG2067719
n-Butylbenzene	U		3.83	12.5	25	05/27/2023 23:33	WG2067719
sec-Butylbenzene	U		2.53	12.5	25	05/27/2023 23:33	WG2067719
tert-Butylbenzene	U		1.55	5.00	25	05/27/2023 23:33	WG2067719
Carbon tetrachloride	U		1.08	5.00	25	05/27/2023 23:33	WG2067719
Chlorobenzene	U		0.573	2.50	25	05/27/2023 23:33	WG2067719
Chlorodibromomethane	U		0.450	2.50	25	05/27/2023 23:33	WG2067719
Chloroethane	U		1.08	5.00	25	05/27/2023 23:33	WG2067719
Chloroform	U		0.415	2.50	25	05/27/2023 23:33	WG2067719
Chloromethane	U		1.39	12.5	25	05/27/2023 23:33	WG2067719
2-Chlorotoluene	U		0.920	2.50	25	05/27/2023 23:33	WG2067719
4-Chlorotoluene	U		1.13	5.00	25	05/27/2023 23:33	WG2067719
1,2-Dibromo-3-Chloropropane	U	UJ C3 J4	5.10	25.0	25	05/27/2023 23:33	WG2067719
1,2-Dibromoethane	U		0.525	2.50	25	05/27/2023 23:33	WG2067719
Dibromomethane	U		1.00	5.00	25	05/27/2023 23:33	WG2067719
1,2-Dichlorobenzene	U		1.45	5.00	25	05/27/2023 23:33	WG2067719
1,3-Dichlorobenzene	U		1.70	5.00	25	05/27/2023 23:33	WG2067719
1,4-Dichlorobenzene	U		1.97	5.00	25	05/27/2023 23:33	WG2067719
Dichlorodifluoromethane	U		0.818	2.50	25	05/27/2023 23:33	WG2067719
1,1-Dichloroethane	U		0.575	2.50	25	05/27/2023 23:33	WG2067719
1,2-Dichloroethane	U		0.475	2.50	25	05/27/2023 23:33	WG2067719
1,1-Dichloroethene	4.98		0.500	2.50	25	05/27/2023 23:33	WG2067719
cis-1,2-Dichloroethene	2090		0.690	2.50	25	05/27/2023 23:33	WG2067719
trans-1,2-Dichloroethene	6.93		1.43	5.00	25	05/27/2023 23:33	WG2067719
1,2-Dichloropropane	U		1.27	5.00	25	05/27/2023 23:33	WG2067719
1,1-Dichloropropene	U		0.700	2.50	25	05/27/2023 23:33	WG2067719
1,3-Dichloropropane	U		1.75	5.00	25	05/27/2023 23:33	WG2067719
cis-1,3-Dichloropropene	U		0.678	2.50	25	05/27/2023 23:33	WG2067719
trans-1,3-Dichloropropene	U		1.53	5.00	25	05/27/2023 23:33	WG2067719
2,2-Dichloropropane	U		0.793	2.50	25	05/27/2023 23:33	WG2067719
Di-isopropyl ether	U		0.350	1.00	25	05/27/2023 23:33	WG2067719
Ethylbenzene	U		0.530	2.50	25	05/27/2023 23:33	WG2067719
Hexachloro-1,3-butadiene	U	UJ C3	12.7	25.0	25	05/27/2023 23:33	WG2067719
Isopropylbenzene	U		0.863	2.50	25	05/27/2023 23:33	WG2067719
p-Isopropyltoluene	U		2.33	5.00	25	05/27/2023 23:33	WG2067719
2-Butanone (MEK)	U		12.5	25.0	25	05/27/2023 23:33	WG2067719
Methylene Chloride	U		6.63	25.0	25	05/27/2023 23:33	WG2067719
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	05/27/2023 23:33	WG2067719
Methyl tert-butyl ether	U		0.295	1.00	25	05/27/2023 23:33	WG2067719
Naphthalene	U	UJ C3 J3 J4	3.10	12.5	25	05/27/2023 23:33	WG2067719
n-Propylbenzene	U		1.18	5.00	25	05/27/2023 23:33	WG2067719
Styrene	U		2.73	12.5	25	05/27/2023 23:33	WG2067719
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	05/27/2023 23:33	WG2067719
1,1,2,2-Tetrachloroethane	U	UJ C3	0.390	2.50	25	05/27/2023 23:33	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	05/27/2023 23:33	WG2067719
Tetrachloroethene	U		0.700	2.50	25	05/27/2023 23:33	WG2067719
Toluene	U		1.25	5.00	25	05/27/2023 23:33	WG2067719
1,2,3-Trichlorobenzene	U	UJ C3 J3 J4	0.625	12.5	25	05/27/2023 23:33	WG2067719
1,2,4-Trichlorobenzene	U	UJ C3 J4	4.83	12.5	25	05/27/2023 23:33	WG2067719
1,1,1-Trichloroethane	U		0.275	2.50	25	05/27/2023 23:33	WG2067719

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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	
1,1,2-Trichloroethane	U		0.883	2.50	25	05/27/2023 23:33	WG2067719
Trichloroethene	U		0.400	1.00	25	05/27/2023 23:33	WG2067719
Trichlorofluoromethane	U		0.500	2.50	25	05/27/2023 23:33	WG2067719
1,2,3-Trichloropropane	U		5.10	12.5	25	05/27/2023 23:33	WG2067719
1,2,4-Trimethylbenzene	U		1.16	5.00	25	05/27/2023 23:33	WG2067719
1,2,3-Trimethylbenzene	U		1.15	5.00	25	05/27/2023 23:33	WG2067719
1,3,5-Trimethylbenzene	U		1.08	5.00	25	05/27/2023 23:33	WG2067719
Vinyl chloride	95.3		0.682	2.50	25	05/27/2023 23:33	WG2067719
Xylenes, Total	U		4.78	6.50	25	05/27/2023 23:33	WG2067719
Ethyl Ether	U		0.425	2.50	25	05/27/2023 23:33	WG2067719
Tetrahydrofuran	U		2.25	12.5	25	05/27/2023 23:33	WG2067719
Iodomethane	U		6.05	12.5	25	05/27/2023 23:33	WG2067719
Allyl chloride	U		14.5	25.0	25	05/27/2023 23:33	WG2067719
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	05/27/2023 23:33	WG2067719
(S) Toluene-d8	*103*			*75.0-131*		*05/27/2023 23:33*	WG2067719
(S) 4-Bromofluorobenzene	*98.9*			*67.0-138*		*05/27/2023 23:33*	WG2067719
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/27/2023 23:33*	WG2067719

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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
Acetone	1.89 U	B	0.548	1.00	1	05/27/2023 21:20	WG2067719
Acrylonitrile	U		0.0760	0.500	1	05/27/2023 21:20	WG2067719
Benzene	0.159		0.0160	0.0400	1	05/27/2023 21:20	WG2067719
Bromobenzene	U		0.0420	0.500	1	05/27/2023 21:20	WG2067719
Bromodichloromethane	U		0.0315	0.100	1	05/27/2023 21:20	WG2067719
Bromoform	U		0.239	1.00	1	05/27/2023 21:20	WG2067719
Bromomethane	U		0.148	0.500	1	05/27/2023 21:20	WG2067719
n-Butylbenzene	U		0.153	0.500	1	05/27/2023 21:20	WG2067719
sec-Butylbenzene	U		0.101	0.500	1	05/27/2023 21:20	WG2067719
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2023 21:20	WG2067719
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2023 21:20	WG2067719
Chlorobenzene	U		0.0229	0.100	1	05/27/2023 21:20	WG2067719
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2023 21:20	WG2067719
Chloroethane	U		0.0432	0.200	1	05/27/2023 21:20	WG2067719
Chloroform	U		0.0166	0.100	1	05/27/2023 21:20	WG2067719
Chloromethane	U		0.0556	0.500	1	05/27/2023 21:20	WG2067719
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2023 21:20	WG2067719
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2023 21:20	WG2067719
1,2-Dibromo-3-Chloropropane	U	UJ C3 J4	0.204	1.00	1	05/27/2023 21:20	WG2067719
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2023 21:20	WG2067719
Dibromomethane	U		0.0400	0.200	1	05/27/2023 21:20	WG2067719
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2023 21:20	WG2067719
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2023 21:20	WG2067719
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2023 21:20	WG2067719
Dichlorodifluoromethane	U		0.0327	0.100	1	05/27/2023 21:20	WG2067719
1,1-Dichloroethane	0.0760	J	0.0230	0.100	1	05/27/2023 21:20	WG2067719
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2023 21:20	WG2067719
1,1-Dichloroethene	0.184		0.0200	0.100	1	05/27/2023 21:20	WG2067719
cis-1,2-Dichloroethene	4.17		0.0276	0.100	1	05/27/2023 21:20	WG2067719
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2023 21:20	WG2067719
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2023 21:20	WG2067719
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2023 21:20	WG2067719
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2023 21:20	WG2067719
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2023 21:20	WG2067719
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2023 21:20	WG2067719
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2023 21:20	WG2067719
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2023 21:20	WG2067719
Ethylbenzene	U		0.0212	0.100	1	05/27/2023 21:20	WG2067719
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	05/27/2023 21:20	WG2067719
Isopropylbenzene	U		0.0345	0.100	1	05/27/2023 21:20	WG2067719
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2023 21:20	WG2067719
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2023 21:20	WG2067719
Methylene Chloride	U		0.265	1.00	1	05/27/2023 21:20	WG2067719
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2023 21:20	WG2067719
Methyl tert-butyl ether	0.0400	J	0.0118	0.0400	1	05/27/2023 21:20	WG2067719
Naphthalene	U	UJ C3 J3 J4	0.124	0.500	1	05/27/2023 21:20	WG2067719
n-Propylbenzene	U		0.0472	0.200	1	05/27/2023 21:20	WG2067719
Styrene	U		0.109	0.500	1	05/27/2023 21:20	WG2067719
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2023 21:20	WG2067719
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/27/2023 21:20	WG2067719
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2023 21:20	WG2067719
Tetrachloroethene	U		0.0280	0.100	1	05/27/2023 21:20	WG2067719
Toluene	U		0.0500	0.200	1	05/27/2023 21:20	WG2067719
1,2,3-Trichlorobenzene	U	UJ C3 J3 J4	0.0250	0.500	1	05/27/2023 21:20	WG2067719
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/27/2023 21:20	WG2067719
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2023 21:20	WG2067719

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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	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2023 21:20	WG2067719
Trichloroethene	0.490		0.0160	0.0400	1	05/27/2023 21:20	WG2067719
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2023 21:20	WG2067719
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2023 21:20	WG2067719
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2023 21:20	WG2067719
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2023 21:20	WG2067719
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2023 21:20	WG2067719
Vinyl chloride	3.37		0.0273	0.100	1	05/27/2023 21:20	WG2067719
Xylenes, Total	U		0.191	0.260	1	05/27/2023 21:20	WG2067719
Ethyl Ether	U		0.0170	0.100	1	05/27/2023 21:20	WG2067719
Tetrahydrofuran	0.223	J	0.0900	0.500	1	05/27/2023 21:20	WG2067719
Iodomethane	U		0.242	0.500	1	05/27/2023 21:20	WG2067719
Allyl chloride	U		0.580	1.00	1	05/27/2023 21:20	WG2067719
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2023 21:20	WG2067719
(S) Toluene-d8	*102*			*75.0-131*		*05/27/2023 21:20*	WG2067719
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/27/2023 21:20*	WG2067719
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/27/2023 21:20*	WG2067719

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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
Acetone	U UJ/J	T8	11.0	20.0	20	06/02/2023 15:30	WG2069133
Acrylonitrile	U	T8	1.52	10.0	20	06/02/2023 15:30	WG2069133
Benzene	5.12	T8	0.320	0.800	20	06/02/2023 15:30	WG2069133
Bromobenzene	U	T8	0.840	10.0	20	06/02/2023 15:30	WG2069133
Bromodichloromethane	U	T8	0.630	2.00	20	06/02/2023 15:30	WG2069133
Bromoform	U	T8	4.78	20.0	20	06/02/2023 15:30	WG2069133
Bromomethane	U	C3 T8	2.96	10.0	20	06/02/2023 15:30	WG2069133
n-Butylbenzene	U	T8	3.06	10.0	20	06/02/2023 15:30	WG2069133
sec-Butylbenzene	U	T8	2.02	10.0	20	06/02/2023 15:30	WG2069133
tert-Butylbenzene	U	T8	1.24	4.00	20	06/02/2023 15:30	WG2069133
Carbon tetrachloride	U	T8	0.864	4.00	20	06/02/2023 15:30	WG2069133
Chlorobenzene	U	T8	0.458	2.00	20	06/02/2023 15:30	WG2069133
Chlorodibromomethane	U	T8	0.360	2.00	20	06/02/2023 15:30	WG2069133
Chloroethane	U	T8	0.864	4.00	20	06/02/2023 15:30	WG2069133
Chloroform	U	T8	0.332	2.00	20	06/02/2023 15:30	WG2069133
Chloromethane	U	T8	1.11	10.0	20	06/02/2023 15:30	WG2069133
2-Chlorotoluene	U	T8	0.736	2.00	20	06/02/2023 15:30	WG2069133
4-Chlorotoluene	U	T8	0.904	4.00	20	06/02/2023 15:30	WG2069133
1,2-Dibromo-3-Chloropropane	U	T8	4.08	20.0	20	06/02/2023 15:30	WG2069133
1,2-Dibromoethane	U	T8	0.420	2.00	20	06/02/2023 15:30	WG2069133
Dibromomethane	U	T8	0.800	4.00	20	06/02/2023 15:30	WG2069133
1,2-Dichlorobenzene	U	T8	1.16	4.00	20	06/02/2023 15:30	WG2069133
1,3-Dichlorobenzene	U	T8	1.36	4.00	20	06/02/2023 15:30	WG2069133
1,4-Dichlorobenzene	U	T8	1.58	4.00	20	06/02/2023 15:30	WG2069133
Dichlorodifluoromethane	U	T8	0.654	2.00	20	06/02/2023 15:30	WG2069133
1,1-Dichloroethane	U	T8	0.460	2.00	20	06/02/2023 15:30	WG2069133
1,2-Dichloroethane	U	T8	0.380	2.00	20	06/02/2023 15:30	WG2069133
1,1-Dichloroethene	1.72	J T8	0.400	2.00	20	06/02/2023 15:30	WG2069133
cis-1,2-Dichloroethene	729	T8	0.552	2.00	20	06/02/2023 15:30	WG2069133
trans-1,2-Dichloroethene	2.64	J T8	1.14	4.00	20	06/02/2023 15:30	WG2069133
1,2-Dichloropropane	U	T8	1.02	4.00	20	06/02/2023 15:30	WG2069133
1,1-Dichloropropene	U	T8	0.560	2.00	20	06/02/2023 15:30	WG2069133
1,3-Dichloropropane	U	T8	1.40	4.00	20	06/02/2023 15:30	WG2069133
cis-1,3-Dichloropropene	U	T8	0.542	2.00	20	06/02/2023 15:30	WG2069133
trans-1,3-Dichloropropene	U	T8	1.22	4.00	20	06/02/2023 15:30	WG2069133
2,2-Dichloropropane	U	J3 T8	0.634	2.00	20	06/02/2023 15:30	WG2069133
Di-isopropyl ether	U	T8	0.280	0.800	20	06/02/2023 15:30	WG2069133
Ethylbenzene	U	T8	0.424	2.00	20	06/02/2023 15:30	WG2069133
Hexachloro-1,3-butadiene	U	T8	10.2	20.0	20	06/02/2023 15:30	WG2069133
Isopropylbenzene	U	T8	0.690	2.00	20	06/02/2023 15:30	WG2069133
p-Isopropyltoluene	U	T8	1.86	4.00	20	06/02/2023 15:30	WG2069133
2-Butanone (MEK)	U	T8	10.0	20.0	20	06/02/2023 15:30	WG2069133
Methylene Chloride	U	T8	5.30	20.0	20	06/02/2023 15:30	WG2069133
4-Methyl-2-pentanone (MIBK)	U	T8	8.00	20.0	20	06/02/2023 15:30	WG2069133
Methyl tert-butyl ether	U	T8	0.236	0.800	20	06/02/2023 15:30	WG2069133
Naphthalene	U	T8	2.48	10.0	20	06/02/2023 15:30	WG2069133
n-Propylbenzene	U	T8	0.944	4.00	20	06/02/2023 15:30	WG2069133
Styrene	U	T8	2.18	10.0	20	06/02/2023 15:30	WG2069133
1,1,1,2-Tetrachloroethane	U	T8	0.400	2.00	20	06/02/2023 15:30	WG2069133
1,1,2,2-Tetrachloroethane	U	T8	0.312	2.00	20	06/02/2023 15:30	WG2069133
1,1,2-Trichlorotrifluoroethane	U	T8	0.540	2.00	20	06/02/2023 15:30	WG2069133
Tetrachloroethene	U	T8	0.560	2.00	20	06/02/2023 15:30	WG2069133
Toluene	U	T8	1.00	4.00	20	06/02/2023 15:30	WG2069133
1,2,3-Trichlorobenzene	U	T8	0.500	10.0	20	06/02/2023 15:30	WG2069133
1,2,4-Trichlorobenzene	U	T8	3.86	10.0	20	06/02/2023 15:30	WG2069133
1,1,1-Trichloroethane	U	T8	0.220	2.00	20	06/02/2023 15:30	WG2069133

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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	T8	0.706	2.00	20	06/02/2023 15:30	WG2069133
Trichloroethene	1.08	T8	0.320	0.800	20	06/02/2023 15:30	WG2069133
Trichlorofluoromethane	U	T8	0.400	2.00	20	06/02/2023 15:30	WG2069133
1,2,3-Trichloropropane	U	T8	4.08	10.0	20	06/02/2023 15:30	WG2069133
1,2,4-Trimethylbenzene	3.20	B J T8	0.928	4.00	20	06/02/2023 15:30	WG2069133
1,2,3-Trimethylbenzene	U	T8	0.920	4.00	20	06/02/2023 15:30	WG2069133
1,3,5-Trimethylbenzene	U	T8	0.864	4.00	20	06/02/2023 15:30	WG2069133
Vinyl chloride	111	T8	0.546	2.00	20	06/02/2023 15:30	WG2069133
Xylenes, Total	U	T8	3.82	5.20	20	06/02/2023 15:30	WG2069133
Ethyl Ether	U	T8	0.340	2.00	20	06/02/2023 15:30	WG2069133
Tetrahydrofuran	U	T8	1.80	10.0	20	06/02/2023 15:30	WG2069133
Iodomethane	U	T8	4.84	10.0	20	06/02/2023 15:30	WG2069133
Allyl chloride	U	T8	11.6	20.0	20	06/02/2023 15:30	WG2069133
Trans-1,4-Dichloro-2-butene	U	T8	1.12	4.00	20	06/02/2023 15:30	WG2069133
(S) Toluene-d8	*94.6*			*75.0-131*		*06/02/2023 15:30*	WG2069133
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/02/2023 15:30*	WG2069133
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*06/02/2023 15:30*	WG2069133

UJ/J
UJ
UJ/J

Sample Narrative:

L1618697-16 WG2069133: Target compounds too high to run at a lower dilution.

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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
Acetone	18.8	U	~~B J~~	11.0	20.0	20	05/28/2023 00:11	WG2067719
Acrylonitrile	U			1.52	10.0	20	05/28/2023 00:11	WG2067719
Benzene	U			0.320	0.800	20	05/28/2023 00:11	WG2067719
Bromobenzene	U			0.840	10.0	20	05/28/2023 00:11	WG2067719
Bromodichloromethane	U			0.630	2.00	20	05/28/2023 00:11	WG2067719
Bromoform	U			4.78	20.0	20	05/28/2023 00:11	WG2067719
Bromomethane	U			2.96	10.0	20	05/28/2023 00:11	WG2067719
n-Butylbenzene	U			3.06	10.0	20	05/28/2023 00:11	WG2067719
sec-Butylbenzene	U			2.02	10.0	20	05/28/2023 00:11	WG2067719
tert-Butylbenzene	U			1.24	4.00	20	05/28/2023 00:11	WG2067719
Carbon tetrachloride	U			0.864	4.00	20	05/28/2023 00:11	WG2067719
Chlorobenzene	U			0.458	2.00	20	05/28/2023 00:11	WG2067719
Chlorodibromomethane	U			0.360	2.00	20	05/28/2023 00:11	WG2067719
Chloroethane	U			0.864	4.00	20	05/28/2023 00:11	WG2067719
Chloroform	U			0.332	2.00	20	05/28/2023 00:11	WG2067719
Chloromethane	U			1.11	10.0	20	05/28/2023 00:11	WG2067719
2-Chlorotoluene	U			0.736	2.00	20	05/28/2023 00:11	WG2067719
4-Chlorotoluene	U			0.904	4.00	20	05/28/2023 00:11	WG2067719
1,2-Dibromo-3-Chloropropane	U	UJ	C3 J4	4.08	20.0	20	05/28/2023 00:11	WG2067719
1,2-Dibromoethane	U			0.420	2.00	20	05/28/2023 00:11	WG2067719
Dibromomethane	U			0.800	4.00	20	05/28/2023 00:11	WG2067719
1,2-Dichlorobenzene	U			1.16	4.00	20	05/28/2023 00:11	WG2067719
1,3-Dichlorobenzene	U			1.36	4.00	20	05/28/2023 00:11	WG2067719
1,4-Dichlorobenzene	U			1.58	4.00	20	05/28/2023 00:11	WG2067719
Dichlorodifluoromethane	U			0.654	2.00	20	05/28/2023 00:11	WG2067719
1,1-Dichloroethane	U			0.460	2.00	20	05/28/2023 00:11	WG2067719
1,2-Dichloroethane	U			0.380	2.00	20	05/28/2023 00:11	WG2067719
1,1-Dichloroethene	2.38			0.400	2.00	20	05/28/2023 00:11	WG2067719
cis-1,2-Dichloroethene	535			0.552	2.00	20	05/28/2023 00:11	WG2067719
trans-1,2-Dichloroethene	U			1.14	4.00	20	05/28/2023 00:11	WG2067719
1,2-Dichloropropane	U			1.02	4.00	20	05/28/2023 00:11	WG2067719
1,1-Dichloropropene	U			0.560	2.00	20	05/28/2023 00:11	WG2067719
1,3-Dichloropropane	U			1.40	4.00	20	05/28/2023 00:11	WG2067719
cis-1,3-Dichloropropene	U			0.542	2.00	20	05/28/2023 00:11	WG2067719
trans-1,3-Dichloropropene	U			1.22	4.00	20	05/28/2023 00:11	WG2067719
2,2-Dichloropropane	U			0.634	2.00	20	05/28/2023 00:11	WG2067719
Di-isopropyl ether	U			0.280	0.800	20	05/28/2023 00:11	WG2067719
Ethylbenzene	U			0.424	2.00	20	05/28/2023 00:11	WG2067719
Hexachloro-1,3-butadiene	U	UJ	C3	10.2	20.0	20	05/28/2023 00:11	WG2067719
Isopropylbenzene	U			0.690	2.00	20	05/28/2023 00:11	WG2067719
p-Isopropyltoluene	U			1.86	4.00	20	05/28/2023 00:11	WG2067719
2-Butanone (MEK)	U			10.0	20.0	20	05/28/2023 00:11	WG2067719
Methylene Chloride	U			5.30	20.0	20	05/28/2023 00:11	WG2067719
4-Methyl-2-pentanone (MIBK)	U			8.00	20.0	20	05/28/2023 00:11	WG2067719
Methyl tert-butyl ether	U			0.236	0.800	20	05/28/2023 00:11	WG2067719
Naphthalene	U	UJ	C3 J3 J4	2.48	10.0	20	05/28/2023 00:11	WG2067719
n-Propylbenzene	U			0.944	4.00	20	05/28/2023 00:11	WG2067719
Styrene	U			2.18	10.0	20	05/28/2023 00:11	WG2067719
1,1,1,2-Tetrachloroethane	U			0.400	2.00	20	05/28/2023 00:11	WG2067719
1,1,2,2-Tetrachloroethane	U	UJ	C3	0.312	2.00	20	05/28/2023 00:11	WG2067719
1,1,2-Trichlorotrifluoroethane	U			0.540	2.00	20	05/28/2023 00:11	WG2067719
Tetrachloroethene	U			0.560	2.00	20	05/28/2023 00:11	WG2067719
Toluene	U			1.00	4.00	20	05/28/2023 00:11	WG2067719
1,2,3-Trichlorobenzene	U	UJ	C3 J3 J4	0.500	10.0	20	05/28/2023 00:11	WG2067719
1,2,4-Trichlorobenzene	U	UJ	C3 J4	3.86	10.0	20	05/28/2023 00:11	WG2067719
1,1,1-Trichloroethane	U			0.220	2.00	20	05/28/2023 00:11	WG2067719

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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	
1,1,2-Trichloroethane	U		0.706	2.00	20	05/28/2023 00:11	WG2067719
Trichloroethene	U		0.320	0.800	20	05/28/2023 00:11	WG2067719
Trichlorofluoromethane	U		0.400	2.00	20	05/28/2023 00:11	WG2067719
1,2,3-Trichloropropane	U		4.08	10.0	20	05/28/2023 00:11	WG2067719
1,2,4-Trimethylbenzene	U		0.928	4.00	20	05/28/2023 00:11	WG2067719
1,2,3-Trimethylbenzene	U		0.920	4.00	20	05/28/2023 00:11	WG2067719
1,3,5-Trimethylbenzene	U		0.864	4.00	20	05/28/2023 00:11	WG2067719
Vinyl chloride	77.2		0.546	2.00	20	05/28/2023 00:11	WG2067719
Xylenes, Total	U		3.82	5.20	20	05/28/2023 00:11	WG2067719
Ethyl Ether	U		0.340	2.00	20	05/28/2023 00:11	WG2067719
Tetrahydrofuran	U		1.80	10.0	20	05/28/2023 00:11	WG2067719
Iodomethane	U		4.84	10.0	20	05/28/2023 00:11	WG2067719
Allyl chloride	U		11.6	20.0	20	05/28/2023 00:11	WG2067719
Trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	05/28/2023 00:11	WG2067719
(S) Toluene-d8	*103*			*75.0-131*		*05/28/2023 00:11*	WG2067719
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/28/2023 00:11*	WG2067719
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*05/28/2023 00:11*	WG2067719

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

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	40800		379	1000	1	05/17/2023 21:03	WG2061355
Nitrate	U		48.0	100	1	05/17/2023 21:03	WG2061355
Sulfate	3090	J	594	5000	1	05/17/2023 21:03	WG2061355

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5200		102	1000	1	05/25/2023 18:40	WG2064302

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	21400		2.87	6.78	10	05/25/2023 15:42	WG2066702
Ethane	1.69		0.296	1.29	1	05/25/2023 11:17	WG2065642
Ethene	7.04		0.422	1.27	1	05/25/2023 11:17	WG2065642

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	4.10		0.548	1.00	1	05/21/2023 02:26	WG2063807
Acrylonitrile	U		0.0760	0.500	1	05/21/2023 02:26	WG2063807
Benzene	U		0.0160	0.0400	1	05/21/2023 02:26	WG2063807
Bromobenzene	U		0.0420	0.500	1	05/21/2023 02:26	WG2063807
Bromodichloromethane	U		0.0315	0.100	1	05/21/2023 02:26	WG2063807
Bromoform	U		0.239	1.00	1	05/21/2023 02:26	WG2063807
Bromomethane	U		0.148	0.500	1	05/21/2023 02:26	WG2063807
n-Butylbenzene	U		0.153	0.500	1	05/21/2023 02:26	WG2063807
sec-Butylbenzene	U		0.101	0.500	1	05/21/2023 02:26	WG2063807
tert-Butylbenzene	U		0.0620	0.200	1	05/21/2023 02:26	WG2063807
Carbon tetrachloride	U		0.0432	0.200	1	05/21/2023 02:26	WG2063807
Chlorobenzene	U		0.0229	0.100	1	05/21/2023 02:26	WG2063807
Chlorodibromomethane	U		0.0180	0.100	1	05/21/2023 02:26	WG2063807
Chloroethane	U		0.0432	0.200	1	05/21/2023 02:26	WG2063807
Chloroform	U		0.0166	0.100	1	05/21/2023 02:26	WG2063807
Chloromethane	U		0.0556	0.500	1	05/21/2023 02:26	WG2063807
2-Chlorotoluene	U		0.0368	0.100	1	05/21/2023 02:26	WG2063807
4-Chlorotoluene	U		0.0452	0.200	1	05/21/2023 02:26	WG2063807
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/21/2023 02:26	WG2063807
1,2-Dibromoethane	U		0.0210	0.100	1	05/21/2023 02:26	WG2063807
Dibromomethane	U		0.0400	0.200	1	05/21/2023 02:26	WG2063807
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/21/2023 02:26	WG2063807
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/21/2023 02:26	WG2063807
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/21/2023 02:26	WG2063807
Dichlorodifluoromethane	U		0.0327	0.100	1	05/21/2023 02:26	WG2063807
1,1-Dichloroethane	U		0.0230	0.100	1	05/21/2023 02:26	WG2063807
1,2-Dichloroethane	U		0.0190	0.100	1	05/21/2023 02:26	WG2063807
1,1-Dichloroethene	U		0.0200	0.100	1	05/21/2023 02:26	WG2063807
cis-1,2-Dichloroethene	1.36		0.0276	0.100	1	05/21/2023 02:26	WG2063807
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/21/2023 02:26	WG2063807
1,2-Dichloropropane	U		0.0508	0.200	1	05/21/2023 02:26	WG2063807
1,1-Dichloropropene	U		0.0280	0.100	1	05/21/2023 02:26	WG2063807
1,3-Dichloropropane	U		0.0700	0.200	1	05/21/2023 02:26	WG2063807
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/21/2023 02:26	WG2063807
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/21/2023 02:26	WG2063807

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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	
2,2-Dichloropropane	U		0.0317	0.100	1	05/21/2023 02:26	WG2063807
Di-isopropyl ether	0.0240	J	0.0140	0.0400	1	05/21/2023 02:26	WG2063807
Ethylbenzene	0.160		0.0212	0.100	1	05/21/2023 02:26	WG2063807
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/21/2023 02:26	WG2063807
Isopropylbenzene	U		0.0345	0.100	1	05/21/2023 02:26	WG2063807
p-Isopropyltoluene	U		0.0932	0.200	1	05/21/2023 02:26	WG2063807
2-Butanone (MEK)	U		0.500	1.00	1	05/21/2023 02:26	WG2063807
Methylene Chloride	U		0.265	1.00	1	05/21/2023 02:26	WG2063807
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/21/2023 02:26	WG2063807
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/21/2023 02:26	WG2063807
Naphthalene	U	UJ C3	0.124	0.500	1	05/21/2023 02:26	WG2063807
n-Propylbenzene	U		0.0472	0.200	1	05/21/2023 02:26	WG2063807
Styrene	U		0.109	0.500	1	05/21/2023 02:26	WG2063807
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/21/2023 02:26	WG2063807
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/21/2023 02:26	WG2063807
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/21/2023 02:26	WG2063807
Tetrachloroethene	U		0.0280	0.100	1	05/21/2023 02:26	WG2063807
Toluene	0.998		0.0500	0.200	1	05/21/2023 02:26	WG2063807
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/21/2023 02:26	WG2063807
1,2,4-Trichlorobenzene	U	UJ C3	0.193	0.500	1	05/21/2023 02:26	WG2063807
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/21/2023 02:26	WG2063807
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/21/2023 02:26	WG2063807
Trichloroethene	0.0630		0.0160	0.0400	1	05/21/2023 02:26	WG2063807
Trichlorofluoromethane	U		0.0200	0.100	1	05/21/2023 02:26	WG2063807
1,2,3-Trichloropropane	U		0.204	0.500	1	05/21/2023 02:26	WG2063807
1,2,4-Trimethylbenzene	0.0970	J	0.0464	0.200	1	05/21/2023 02:26	WG2063807
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/21/2023 02:26	WG2063807
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/21/2023 02:26	WG2063807
Vinyl chloride	4.90		0.0273	0.100	1	05/21/2023 02:26	WG2063807
Xylenes, Total	0.915		0.191	0.260	1	05/21/2023 02:26	WG2063807
Ethyl Ether	U		0.0170	0.100	1	05/21/2023 02:26	WG2063807
Tetrahydrofuran	3.21	J- C3	0.0900	0.500	1	05/21/2023 02:26	WG2063807
Iodomethane	U		0.242	0.500	1	05/21/2023 02:26	WG2063807
Allyl chloride	U		0.580	1.00	1	05/21/2023 02:26	WG2063807
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/21/2023 02:26	WG2063807
(S) Toluene-d8	*105*			*75.0-131*		*05/21/2023 02:26*	WG2063807
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*05/21/2023 02:26*	WG2063807
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*05/21/2023 02:26*	WG2063807

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	31100		379	1000	1	05/17/2023 21:55	WG2061355
Nitrate	U		48.0	100	1	05/17/2023 21:55	WG2061355
Sulfate	26100		594	5000	1	05/17/2023 21:55	WG2061355

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2070		102	1000	1	05/25/2023 18:56	WG2064302

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	3020		0.287	0.678	1	05/25/2023 11:22	WG2065642
Ethane	1.76		0.296	1.29	1	05/25/2023 11:22	WG2065642
Ethene	10.4		0.422	1.27	1	05/25/2023 11:22	WG2065642

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/21/2023 02:45	WG2063807
Acrylonitrile	U		0.0760	0.500	1	05/21/2023 02:45	WG2063807
Benzene	U		0.0160	0.0400	1	05/21/2023 02:45	WG2063807
Bromobenzene	U		0.0420	0.500	1	05/21/2023 02:45	WG2063807
Bromodichloromethane	U		0.0315	0.100	1	05/21/2023 02:45	WG2063807
Bromoform	U		0.239	1.00	1	05/21/2023 02:45	WG2063807
Bromomethane	U		0.148	0.500	1	05/21/2023 02:45	WG2063807
n-Butylbenzene	U		0.153	0.500	1	05/21/2023 02:45	WG2063807
sec-Butylbenzene	U		0.101	0.500	1	05/21/2023 02:45	WG2063807
tert-Butylbenzene	U		0.0620	0.200	1	05/21/2023 02:45	WG2063807
Carbon tetrachloride	U		0.0432	0.200	1	05/21/2023 02:45	WG2063807
Chlorobenzene	U		0.0229	0.100	1	05/21/2023 02:45	WG2063807
Chlorodibromomethane	U		0.0180	0.100	1	05/21/2023 02:45	WG2063807
Chloroethane	U		0.0432	0.200	1	05/21/2023 02:45	WG2063807
Chloroform	U		0.0166	0.100	1	05/21/2023 02:45	WG2063807
Chloromethane	U		0.0556	0.500	1	05/21/2023 02:45	WG2063807
2-Chlorotoluene	U		0.0368	0.100	1	05/21/2023 02:45	WG2063807
4-Chlorotoluene	U		0.0452	0.200	1	05/21/2023 02:45	WG2063807
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/21/2023 02:45	WG2063807
1,2-Dibromoethane	U		0.0210	0.100	1	05/21/2023 02:45	WG2063807
Dibromomethane	U		0.0400	0.200	1	05/21/2023 02:45	WG2063807
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/21/2023 02:45	WG2063807
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/21/2023 02:45	WG2063807
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/21/2023 02:45	WG2063807
Dichlorodifluoromethane	U		0.0327	0.100	1	05/21/2023 02:45	WG2063807
1,1-Dichloroethane	U		0.0230	0.100	1	05/21/2023 02:45	WG2063807
1,2-Dichloroethane	U		0.0190	0.100	1	05/21/2023 02:45	WG2063807
1,1-Dichloroethene	U		0.0200	0.100	1	05/21/2023 02:45	WG2063807
cis-1,2-Dichloroethene	2.70		0.0276	0.100	1	05/21/2023 02:45	WG2063807
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/21/2023 02:45	WG2063807
1,2-Dichloropropane	U		0.0508	0.200	1	05/21/2023 02:45	WG2063807
1,1-Dichloropropene	U		0.0280	0.100	1	05/21/2023 02:45	WG2063807
1,3-Dichloropropane	U		0.0700	0.200	1	05/21/2023 02:45	WG2063807
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/21/2023 02:45	WG2063807
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/21/2023 02:45	WG2063807

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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
2,2-Dichloropropane	U		0.0317	0.100	1	05/21/2023 02:45	WG2063807
Di-isopropyl ether	U		0.0140	0.0400	1	05/21/2023 02:45	WG2063807
Ethylbenzene	0.0740	J	0.0212	0.100	1	05/21/2023 02:45	WG2063807
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/21/2023 02:45	WG2063807
Isopropylbenzene	U		0.0345	0.100	1	05/21/2023 02:45	WG2063807
p-Isopropyltoluene	U		0.0932	0.200	1	05/21/2023 02:45	WG2063807
2-Butanone (MEK)	U		0.500	1.00	1	05/21/2023 02:45	WG2063807
Methylene Chloride	U		0.265	1.00	1	05/21/2023 02:45	WG2063807
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/21/2023 02:45	WG2063807
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/21/2023 02:45	WG2063807
Naphthalene	U	UJ C3	0.124	0.500	1	05/21/2023 02:45	WG2063807
n-Propylbenzene	U		0.0472	0.200	1	05/21/2023 02:45	WG2063807
Styrene	U		0.109	0.500	1	05/21/2023 02:45	WG2063807
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/21/2023 02:45	WG2063807
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/21/2023 02:45	WG2063807
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/21/2023 02:45	WG2063807
Tetrachloroethene	U		0.0280	0.100	1	05/21/2023 02:45	WG2063807
Toluene	0.561		0.0500	0.200	1	05/21/2023 02:45	WG2063807
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/21/2023 02:45	WG2063807
1,2,4-Trichlorobenzene	U	UJ C3	0.193	0.500	1	05/21/2023 02:45	WG2063807
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/21/2023 02:45	WG2063807
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/21/2023 02:45	WG2063807
Trichloroethene	0.189		0.0160	0.0400	1	05/21/2023 02:45	WG2063807
Trichlorofluoromethane	U		0.0200	0.100	1	05/21/2023 02:45	WG2063807
1,2,3-Trichloropropane	U		0.204	0.500	1	05/21/2023 02:45	WG2063807
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/21/2023 02:45	WG2063807
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/21/2023 02:45	WG2063807
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/21/2023 02:45	WG2063807
Vinyl chloride	12.6		0.0273	0.100	1	05/21/2023 02:45	WG2063807
Xylenes, Total	0.518		0.191	0.260	1	05/21/2023 02:45	WG2063807
Ethyl Ether	U		0.0170	0.100	1	05/21/2023 02:45	WG2063807
Tetrahydrofuran	18.4	J- C3	0.0900	0.500	1	05/21/2023 02:45	WG2063807
Iodomethane	U		0.242	0.500	1	05/21/2023 02:45	WG2063807
Allyl chloride	U		0.580	1.00	1	05/21/2023 02:45	WG2063807
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/21/2023 02:45	WG2063807
(S) Toluene-d8	*106*			*75.0-131*		*05/21/2023 02:45*	WG2063807
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/21/2023 02:45*	WG2063807
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/21/2023 02:45*	WG2063807

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	32200		379	1000	1	05/17/2023 22:08	WG2061355
Nitrate	54.6	J	48.0	100	1	05/17/2023 22:08	WG2061355
Sulfate	73300		594	5000	1	05/17/2023 22:08	WG2061355

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1620		102	1000	1	05/25/2023 19:12	WG2064302

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	89.5		0.287	0.678	1	05/25/2023 11:28	WG2065642
Ethane	U		0.296	1.29	1	05/25/2023 11:28	WG2065642
Ethene	3.51		0.422	1.27	1	05/25/2023 11:28	WG2065642

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/21/2023 03:04	WG2063807
Acrylonitrile	U		0.0760	0.500	1	05/21/2023 03:04	WG2063807
Benzene	U		0.0160	0.0400	1	05/21/2023 03:04	WG2063807
Bromobenzene	U		0.0420	0.500	1	05/21/2023 03:04	WG2063807
Bromodichloromethane	U		0.0315	0.100	1	05/21/2023 03:04	WG2063807
Bromoform	U		0.239	1.00	1	05/21/2023 03:04	WG2063807
Bromomethane	U		0.148	0.500	1	05/21/2023 03:04	WG2063807
n-Butylbenzene	U		0.153	0.500	1	05/21/2023 03:04	WG2063807
sec-Butylbenzene	U		0.101	0.500	1	05/21/2023 03:04	WG2063807
tert-Butylbenzene	U		0.0620	0.200	1	05/21/2023 03:04	WG2063807
Carbon tetrachloride	U		0.0432	0.200	1	05/21/2023 03:04	WG2063807
Chlorobenzene	U		0.0229	0.100	1	05/21/2023 03:04	WG2063807
Chlorodibromomethane	U		0.0180	0.100	1	05/21/2023 03:04	WG2063807
Chloroethane	U		0.0432	0.200	1	05/21/2023 03:04	WG2063807
Chloroform	U		0.0166	0.100	1	05/21/2023 03:04	WG2063807
Chloromethane	U		0.0556	0.500	1	05/21/2023 03:04	WG2063807
2-Chlorotoluene	U		0.0368	0.100	1	05/21/2023 03:04	WG2063807
4-Chlorotoluene	U		0.0452	0.200	1	05/21/2023 03:04	WG2063807
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/21/2023 03:04	WG2063807
1,2-Dibromoethane	U		0.0210	0.100	1	05/21/2023 03:04	WG2063807
Dibromomethane	U		0.0400	0.200	1	05/21/2023 03:04	WG2063807
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/21/2023 03:04	WG2063807
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/21/2023 03:04	WG2063807
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/21/2023 03:04	WG2063807
Dichlorodifluoromethane	U		0.0327	0.100	1	05/21/2023 03:04	WG2063807
1,1-Dichloroethane	U		0.0230	0.100	1	05/21/2023 03:04	WG2063807
1,2-Dichloroethane	U		0.0190	0.100	1	05/21/2023 03:04	WG2063807
1,1-Dichloroethene	U		0.0200	0.100	1	05/21/2023 03:04	WG2063807
cis-1,2-Dichloroethene	2.05		0.0276	0.100	1	05/21/2023 03:04	WG2063807
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/21/2023 03:04	WG2063807
1,2-Dichloropropane	U		0.0508	0.200	1	05/21/2023 03:04	WG2063807
1,1-Dichloropropene	U		0.0280	0.100	1	05/21/2023 03:04	WG2063807
1,3-Dichloropropane	U		0.0700	0.200	1	05/21/2023 03:04	WG2063807
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/21/2023 03:04	WG2063807
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/21/2023 03:04	WG2063807

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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
2,2-Dichloropropane	U		0.0317	0.100	1	05/21/2023 03:04	WG2063807
Di-isopropyl ether	U		0.0140	0.0400	1	05/21/2023 03:04	WG2063807
Ethylbenzene	0.0400	J	0.0212	0.100	1	05/21/2023 03:04	WG2063807
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/21/2023 03:04	WG2063807
Isopropylbenzene	U		0.0345	0.100	1	05/21/2023 03:04	WG2063807
p-Isopropyltoluene	U		0.0932	0.200	1	05/21/2023 03:04	WG2063807
2-Butanone (MEK)	U		0.500	1.00	1	05/21/2023 03:04	WG2063807
Methylene Chloride	U		0.265	1.00	1	05/21/2023 03:04	WG2063807
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/21/2023 03:04	WG2063807
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/21/2023 03:04	WG2063807
Naphthalene	U	UJ C3	0.124	0.500	1	05/21/2023 03:04	WG2063807
n-Propylbenzene	U		0.0472	0.200	1	05/21/2023 03:04	WG2063807
Styrene	U		0.109	0.500	1	05/21/2023 03:04	WG2063807
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/21/2023 03:04	WG2063807
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/21/2023 03:04	WG2063807
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/21/2023 03:04	WG2063807
Tetrachloroethene	0.0370	J	0.0280	0.100	1	05/21/2023 03:04	WG2063807
Toluene	0.448		0.0500	0.200	1	05/21/2023 03:04	WG2063807
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/21/2023 03:04	WG2063807
1,2,4-Trichlorobenzene	U	UJ C3	0.193	0.500	1	05/21/2023 03:04	WG2063807
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/21/2023 03:04	WG2063807
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/21/2023 03:04	WG2063807
Trichloroethene	0.464		0.0160	0.0400	1	05/21/2023 03:04	WG2063807
Trichlorofluoromethane	U		0.0200	0.100	1	05/21/2023 03:04	WG2063807
1,2,3-Trichloropropane	U		0.204	0.500	1	05/21/2023 03:04	WG2063807
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/21/2023 03:04	WG2063807
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/21/2023 03:04	WG2063807
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/21/2023 03:04	WG2063807
Vinyl chloride	2.01		0.0273	0.100	1	05/21/2023 03:04	WG2063807
Xylenes, Total	0.310		0.191	0.260	1	05/21/2023 03:04	WG2063807
Ethyl Ether	U		0.0170	0.100	1	05/21/2023 03:04	WG2063807
Tetrahydrofuran	0.495	J – C3 J	0.0900	0.500	1	05/21/2023 03:04	WG2063807
Iodomethane	U		0.242	0.500	1	05/21/2023 03:04	WG2063807
Allyl chloride	U		0.580	1.00	1	05/21/2023 03:04	WG2063807
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/21/2023 03:04	WG2063807
(S) Toluene-d8	*104*			*75.0-131*		*05/21/2023 03:04*	WG2063807
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/21/2023 03:04*	WG2063807
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/21/2023 03:04*	WG2063807

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Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	32500		379	1000	1	05/17/2023 22:20	WG2061355
Nitrate	53.5	J	48.0	100	1	05/17/2023 22:20	WG2061355
Sulfate	76500		594	5000	1	05/17/2023 22:20	WG2061355

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1650		102	1000	1	05/25/2023 19:28	WG2064302

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	103		0.287	0.678	1	05/25/2023 11:34	WG2065642
Ethane	U		0.296	1.29	1	05/25/2023 11:34	WG2065642
Ethene	3.46		0.422	1.27	1	05/25/2023 11:34	WG2065642

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/21/2023 03:23	WG2063807
Acrylonitrile	U		0.0760	0.500	1	05/21/2023 03:23	WG2063807
Benzene	U		0.0160	0.0400	1	05/21/2023 03:23	WG2063807
Bromobenzene	U		0.0420	0.500	1	05/21/2023 03:23	WG2063807
Bromodichloromethane	U		0.0315	0.100	1	05/21/2023 03:23	WG2063807
Bromoform	U		0.239	1.00	1	05/21/2023 03:23	WG2063807
Bromomethane	U		0.148	0.500	1	05/21/2023 03:23	WG2063807
n-Butylbenzene	U		0.153	0.500	1	05/21/2023 03:23	WG2063807
sec-Butylbenzene	U		0.101	0.500	1	05/21/2023 03:23	WG2063807
tert-Butylbenzene	U		0.0620	0.200	1	05/21/2023 03:23	WG2063807
Carbon tetrachloride	U		0.0432	0.200	1	05/21/2023 03:23	WG2063807
Chlorobenzene	U		0.0229	0.100	1	05/21/2023 03:23	WG2063807
Chlorodibromomethane	U		0.0180	0.100	1	05/21/2023 03:23	WG2063807
Chloroethane	U		0.0432	0.200	1	05/21/2023 03:23	WG2063807
Chloroform	U		0.0166	0.100	1	05/21/2023 03:23	WG2063807
Chloromethane	U		0.0556	0.500	1	05/21/2023 03:23	WG2063807
2-Chlorotoluene	U		0.0368	0.100	1	05/21/2023 03:23	WG2063807
4-Chlorotoluene	U		0.0452	0.200	1	05/21/2023 03:23	WG2063807
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/21/2023 03:23	WG2063807
1,2-Dibromoethane	U		0.0210	0.100	1	05/21/2023 03:23	WG2063807
Dibromomethane	U		0.0400	0.200	1	05/21/2023 03:23	WG2063807
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/21/2023 03:23	WG2063807
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/21/2023 03:23	WG2063807
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/21/2023 03:23	WG2063807
Dichlorodifluoromethane	U		0.0327	0.100	1	05/21/2023 03:23	WG2063807
1,1-Dichloroethane	U		0.0230	0.100	1	05/21/2023 03:23	WG2063807
1,2-Dichloroethane	U		0.0190	0.100	1	05/21/2023 03:23	WG2063807
1,1-Dichloroethene	U		0.0200	0.100	1	05/21/2023 03:23	WG2063807
cis-1,2-Dichloroethene	1.97		0.0276	0.100	1	05/21/2023 03:23	WG2063807
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/21/2023 03:23	WG2063807
1,2-Dichloropropane	U		0.0508	0.200	1	05/21/2023 03:23	WG2063807
1,1-Dichloropropene	U		0.0280	0.100	1	05/21/2023 03:23	WG2063807
1,3-Dichloropropane	U		0.0700	0.200	1	05/21/2023 03:23	WG2063807
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/21/2023 03:23	WG2063807
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/21/2023 03:23	WG2063807

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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
2,2-Dichloropropane	U		0.0317	0.100	1	05/21/2023 03:23	WG2063807
Di-isopropyl ether	U		0.0140	0.0400	1	05/21/2023 03:23	WG2063807
Ethylbenzene	0.0500	J	0.0212	0.100	1	05/21/2023 03:23	WG2063807
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/21/2023 03:23	WG2063807
Isopropylbenzene	U		0.0345	0.100	1	05/21/2023 03:23	WG2063807
p-Isopropyltoluene	U		0.0932	0.200	1	05/21/2023 03:23	WG2063807
2-Butanone (MEK)	U		0.500	1.00	1	05/21/2023 03:23	WG2063807
Methylene Chloride	U		0.265	1.00	1	05/21/2023 03:23	WG2063807
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/21/2023 03:23	WG2063807
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/21/2023 03:23	WG2063807
Naphthalene	U	UJ C3	0.124	0.500	1	05/21/2023 03:23	WG2063807
n-Propylbenzene	U		0.0472	0.200	1	05/21/2023 03:23	WG2063807
Styrene	U		0.109	0.500	1	05/21/2023 03:23	WG2063807
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/21/2023 03:23	WG2063807
1,1,2,2-Tetrachloroethane	U	UJ C3	0.0156	0.100	1	05/21/2023 03:23	WG2063807
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/21/2023 03:23	WG2063807
Tetrachloroethene	U		0.0280	0.100	1	05/21/2023 03:23	WG2063807
Toluene	0.343		0.0500	0.200	1	05/21/2023 03:23	WG2063807
1,2,3-Trichlorobenzene	U	UJ C3	0.0250	0.500	1	05/21/2023 03:23	WG2063807
1,2,4-Trichlorobenzene	U	UJ C3	0.193	0.500	1	05/21/2023 03:23	WG2063807
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/21/2023 03:23	WG2063807
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/21/2023 03:23	WG2063807
Trichloroethene	0.432		0.0160	0.0400	1	05/21/2023 03:23	WG2063807
Trichlorofluoromethane	U		0.0200	0.100	1	05/21/2023 03:23	WG2063807
1,2,3-Trichloropropane	U		0.204	0.500	1	05/21/2023 03:23	WG2063807
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/21/2023 03:23	WG2063807
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/21/2023 03:23	WG2063807
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/21/2023 03:23	WG2063807
Vinyl chloride	1.77		0.0273	0.100	1	05/21/2023 03:23	WG2063807
Xylenes, Total	0.284		0.191	0.260	1	05/21/2023 03:23	WG2063807
Ethyl Ether	U		0.0170	0.100	1	05/21/2023 03:23	WG2063807
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/21/2023 03:23	WG2063807
Iodomethane	U		0.242	0.500	1	05/21/2023 03:23	WG2063807
Allyl chloride	U		0.580	1.00	1	05/21/2023 03:23	WG2063807
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/21/2023 03:23	WG2063807
(S) Toluene-d8	*108*			*75.0-131*		*05/21/2023 03:23*	WG2063807
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*		*05/21/2023 03:23*	WG2063807
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*05/21/2023 03:23*	WG2063807

JC 6/6/2023

MEMORANDUM

TO: Project File **DATE:** June 6, 2023

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 443022-1413001.10.603.04

TASK: EIM Data Validation Level EPA2A for Mercer – May 2023 SDOT Parcel Wells

LAB: Pace Sample Delivery Group (SDGs): L1617549 and L1617058

Seven groundwater samples (including a field duplicate) were collected May 16-17, 2023, from monitoring wells associated with monitoring on SDOT Mercer Parcels at American Linen in Seattle, WA. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. The samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D;
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175;
- Anions (chloride, nitrate, and sulfate) by USEPA Method 9056A; and
- Total Organic Carbon (TOC) by USEPA Method 9060A.

The quality assurance review of the laboratory data associated with SDGs L1617549 and L1617058 are summarized below.

DATA QUALIFICATIONS

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

DATA VALIDATION

Completeness

The samples were collected and analyzed as requested.

Sample Collection and Preservation

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

Holding Times

USEPA Method 8260D:
The samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria are met.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
The samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

General Chemistry (Chloride, Sulfate, Nitrate, and TOC):
The samples were analyzed within the USEPA recommended holding time for chloride (28 days), sulfate (28 days), and nitrate (48 hours), and TOC (28 days) for the preserved water sample from the date of sample collection. All holding time criteria are met.

Initial and Continuing Calibration

USEPA Method 8260D (VOCs):
Initial and continuing calibration data for this project are retained by the laboratory and available for review if necessary. Pace indicated within the laboratory report that continuing calibration verification (CCV) criteria for were not met for the following:

- SDGs L1617549 and L1617058: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory "C3" to indicate that percent difference CCV is below laboratory acceptance criteria and showing low bias. **Associated sample results with laboratory qualified (C3) results are estimated with low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and bias is not assigned.**

- SDG L1617549: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for two compounds associated with sample MW-350-051723 (analytical batch WG2067908) in the SDG. These compounds are qualified by the laboratory "C5" to indicate that percent difference CCV is above laboratory acceptance criteria and showing high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with high bias and qualified (J+).**

Method Blank Results

USEPA Method 8260D:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes are not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L1617549 – Analytical batch WG2066865: Styrene is detected at a low level in the method blank. No action is needed since styrene is not detected in the associated samples.

- SDG L1617549 – Analytical batch WG2067908: Acetone is detected below the RDL in the method blank. No action is needed since acetone is detected above the RDL in the associated sample (MW-350-051723).

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

General Chemistry (Chloride, Sulfate, Nitrate, and TOC):
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. General chemistry blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1617549	WG2062360	9056A	Chloride	697	J	1000	µg/L	NO
L1617549	WG2066225	9060A	TOC	143	J	1000	µg/L	NO
L1617549	WG2066225	9060A	TOC	113	J	1000	µg/L	NO

The target analytes were detected in the method blanks at low levels and below the RDLs. No action is taken on this basis.

Trip Blank Results

USEPA Method 8260D:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

All Analytical Methods:
A field, rinsate or equipment blank was not collected.

Field Duplicate Analyses

A field duplicate pair was submitted and analyzed as follows:

- SDG L1617058: Sample MW-346-051623 and field duplicate MW-988-051623. Target analyte results are comparable and within a relative percent difference (RPD) of 30% (± 1x RDL for groundwater results <5X the RDL) for the field duplicate pair.

Laboratory Duplicate Analyses

USEPA Method 8260D:
Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) results for precision data.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

General Chemistry (Chloride, Sulfate, Nitrate, and TOC):
Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or ± 1x RDL for groundwater results <5X the RDL.

Surrogate Recoveries

USEPA Method 8260D:
The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

Laboratory Control Samples

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

- SDG L1617549 – Analytical batch WG2066865: LCS/LCSD RPD recovery for tetrahydrofuran is outside of laboratory QC criteria and laboratory qualified (J3). No action is needed since tetrahydrofuran LCS/LCSD recoveries are within criteria.

- SDG L1617549 – Analytical batch WG2067908: LCS recoveries for di-isopropyl ether, 4-methyl-2-pentanone (MIBK), and tetrahydrofuran are above laboratory QC criteria and laboratory qualified (J4). No action is needed for di-isopropyl ether and 4-methyl-2-pentanone (MIBK) since these compounds are not detected in the associated sample (MW-350-051723). Sample MW-350-051723 tetrahydrofuran result is already estimated and qualified (J+) due to high calibration recovery. No further action is needed.

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

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

General Chemistry (Chloride, Sulfate, Nitrate, and TOC):
The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260D:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Refer to laboratory control sample results for precision and accuracy results.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
MS/MSD analyses were not performed. Refer to laboratory control sample and laboratory duplicate results for precision and accuracy results.

General Chemistry (Chloride, Sulfate, Nitrate, and TOC):
MS or MS/MSD analyses were performed on client and/or on non-client samples within the analytical batches. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples with the following discussions:

- SDGs L1617549 and L1617058: MS or MS/MSD analyses were performed on non-client samples within the analytical batches. Results are laboratory qualified due to low matrix spike recovery, matrix interference, or elevated concentrations. No action was taken since the spikes were performed on non-client samples.

Other Quality Control Issues

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

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

Compound Identification and Quantitation Limits

Results of the analyses are reported based on laboratory RDLs for all compounds. RDLs for all targets or selected compounds are elevated in several samples due to method-required dilutions. Per PES's request the associated EDDs show result reporting limits (also known as reported detection limit (RDL) or practical quantitation limit (PQL)) and result detection limits (also referred to as method detection limit (MDL)) instead of defaulting to the RDL when reporting the MDL

Data Assessment

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

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

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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	44700		379	1000	1	05/18/2023 16:39	WG2062360
Nitrate	U		48.0	100	1	05/18/2023 16:39	WG2062360
Sulfate	665	J	594	5000	1	05/18/2023 16:39	WG2062360

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)	168000		510	5000	5	05/27/2023 01:39	WG2066225

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	37200		2.87	6.78	10	05/26/2023 11:20	WG2067033
Ethane	2.52		0.296	1.29	1	05/25/2023 16:08	WG2065652
Ethene	209		0.422	1.27	1	05/25/2023 16:08	WG2065652

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	34.4		5.48	10.0	10	05/26/2023 00:44	WG2066865	
Acrylonitrile	U		0.760	5.00	10	05/26/2023 00:44	WG2066865	
Benzene	U		0.160	0.400	10	05/26/2023 00:44	WG2066865	
Bromobenzene	U		0.420	5.00	10	05/26/2023 00:44	WG2066865	
Bromodichloromethane	U		0.315	1.00	10	05/26/2023 00:44	WG2066865	
Bromoform	U	UJ C3	2.39	10.0	10	05/26/2023 00:44	WG2066865	
Bromomethane	U		1.48	5.00	10	05/26/2023 00:44	WG2066865	
n-Butylbenzene	U	UJ C3	1.53	5.00	10	05/26/2023 00:44	WG2066865	
sec-Butylbenzene	U		1.01	5.00	10	05/26/2023 00:44	WG2066865	
tert-Butylbenzene	U		0.620	2.00	10	05/26/2023 00:44	WG2066865	
Carbon tetrachloride	U		0.432	2.00	10	05/26/2023 00:44	WG2066865	
Chlorobenzene	U		0.229	1.00	10	05/26/2023 00:44	WG2066865	
Chlorodibromomethane	U		0.180	1.00	10	05/26/2023 00:44	WG2066865	
Chloroethane	U		0.432	2.00	10	05/26/2023 00:44	WG2066865	
Chloroform	U		0.166	1.00	10	05/26/2023 00:44	WG2066865	
Chloromethane	U		0.556	5.00	10	05/26/2023 00:44	WG2066865	
2-Chlorotoluene	U		0.368	1.00	10	05/26/2023 00:44	WG2066865	
4-Chlorotoluene	U		0.452	2.00	10	05/26/2023 00:44	WG2066865	
1,2-Dibromo-3-Chloropropane	U	UJ C3	2.04	10.0	10	05/26/2023 00:44	WG2066865	
1,2-Dibromoethane	U		0.210	1.00	10	05/26/2023 00:44	WG2066865	
Dibromomethane	U		0.400	2.00	10	05/26/2023 00:44	WG2066865	
1,2-Dichlorobenzene	U		0.580	2.00	10	05/26/2023 00:44	WG2066865	
1,3-Dichlorobenzene	U		0.680	2.00	10	05/26/2023 00:44	WG2066865	
1,4-Dichlorobenzene	U		0.788	2.00	10	05/26/2023 00:44	WG2066865	
Dichlorodifluoromethane	U		0.327	1.00	10	05/26/2023 00:44	WG2066865	
1,1-Dichloroethane	U		0.230	1.00	10	05/26/2023 00:44	WG2066865	
1,2-Dichloroethane	U		0.190	1.00	10	05/26/2023 00:44	WG2066865	
1,1-Dichloroethene	U		0.200	1.00	10	05/26/2023 00:44	WG2066865	
cis-1,2-Dichloroethene	17.6		0.276	1.00	10	05/26/2023 00:44	WG2066865	
trans-1,2-Dichloroethene	U		0.572	2.00	10	05/26/2023 00:44	WG2066865	
1,2-Dichloropropane	U		0.508	2.00	10	05/26/2023 00:44	WG2066865	
1,1-Dichloropropene	U		0.280	1.00	10	05/26/2023 00:44	WG2066865	
1,3-Dichloropropane	U		0.700	2.00	10	05/26/2023 00:44	WG2066865	
cis-1,3-Dichloropropene	U		0.271	1.00	10	05/26/2023 00:44	WG2066865	
trans-1,3-Dichloropropene	U		0.612	2.00	10	05/26/2023 00:44	WG2066865	JC 6/6/23

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	05/26/2023 00:44	WG2066865
Di-isopropyl ether	U		0.140	0.400	10	05/26/2023 00:44	WG2066865
Ethylbenzene	U		0.212	1.00	10	05/26/2023 00:44	WG2066865
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/26/2023 00:44	WG2066865
Isopropylbenzene	U	UJ C3	0.345	1.00	10	05/26/2023 00:44	WG2066865
p-Isopropyltoluene	U		0.932	2.00	10	05/26/2023 00:44	WG2066865
2-Butanone (MEK)	33.3		5.00	10.0	10	05/26/2023 00:44	WG2066865
Methylene Chloride	U		2.65	10.0	10	05/26/2023 00:44	WG2066865
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/26/2023 00:44	WG2066865
Methyl tert-butyl ether	U		0.118	0.400	10	05/26/2023 00:44	WG2066865
Naphthalene	U	UJ C3	1.24	5.00	10	05/26/2023 00:44	WG2066865
n-Propylbenzene	U	UJ C3	0.472	2.00	10	05/26/2023 00:44	WG2066865
Styrene	U	UJ C3	1.09	5.00	10	05/26/2023 00:44	WG2066865
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/26/2023 00:44	WG2066865
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/26/2023 00:44	WG2066865
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/26/2023 00:44	WG2066865
Tetrachloroethene	U		0.280	1.00	10	05/26/2023 00:44	WG2066865
Toluene	U		0.500	2.00	10	05/26/2023 00:44	WG2066865
1,2,3-Trichlorobenzene	U	UJ C3	0.250	5.00	10	05/26/2023 00:44	WG2066865
1,2,4-Trichlorobenzene	U	UJ C3	1.93	5.00	10	05/26/2023 00:44	WG2066865
1,1,1-Trichloroethane	U		0.110	1.00	10	05/26/2023 00:44	WG2066865
1,1,2-Trichloroethane	U		0.353	1.00	10	05/26/2023 00:44	WG2066865
Trichloroethene	U		0.160	0.400	10	05/26/2023 00:44	WG2066865
Trichlorofluoromethane	U		0.200	1.00	10	05/26/2023 00:44	WG2066865
1,2,3-Trichloropropane	U		2.04	5.00	10	05/26/2023 00:44	WG2066865
1,2,4-Trimethylbenzene	0.840	J C3 J	0.464	2.00	10	05/26/2023 00:44	WG2066865
1,2,3-Trimethylbenzene	U		0.460	2.00	10	05/26/2023 00:44	WG2066865
1,3,5-Trimethylbenzene	U	UJ C3	0.432	2.00	10	05/26/2023 00:44	WG2066865
Vinyl chloride	43.6		0.273	1.00	10	05/26/2023 00:44	WG2066865
Xylenes, Total	U		1.91	2.60	10	05/26/2023 00:44	WG2066865
Ethyl Ether	U		0.170	1.00	10	05/26/2023 00:44	WG2066865
Tetrahydrofuran	U	UJ C3 ~~J3~~	0.900	5.00	10	05/26/2023 00:44	WG2066865
Iodomethane	U		2.42	5.00	10	05/26/2023 00:44	WG2066865
Allyl chloride	U		5.80	10.0	10	05/26/2023 00:44	WG2066865
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/26/2023 00:44	WG2066865
(S) Toluene-d8	*104*			*75.0-131*		*05/26/2023 00:44*	WG2066865
(S) 4-Bromofluorobenzene	*95.8*			*67.0-138*		*05/26/2023 00:44*	WG2066865
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/26/2023 00:44*	WG2066865

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	38000		379	1000	1	05/18/2023 16:53	WG2062360
Nitrate	U		48.0	100	1	05/18/2023 16:53	WG2062360
Sulfate	26000		594	5000	1	05/18/2023 16:53	WG2062360

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)	3010		102	1000	1	05/28/2023 23:47	WG2066226

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	22000		2.87	6.78	10	05/26/2023 11:32	WG2067033
Ethane	3.59		0.296	1.29	1	05/25/2023 17:11	WG2065652
Ethene	32.1		0.422	1.27	1	05/25/2023 17:11	WG2065652

Volatile 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	05/26/2023 01:03	WG2066865
Acrylonitrile	U			0.760	5.00	10	05/26/2023 01:03	WG2066865
Benzene	U			0.160	0.400	10	05/26/2023 01:03	WG2066865
Bromobenzene	U			0.420	5.00	10	05/26/2023 01:03	WG2066865
Bromodichloromethane	U			0.315	1.00	10	05/26/2023 01:03	WG2066865
Bromoform	U	UJ	C3	2.39	10.0	10	05/26/2023 01:03	WG2066865
Bromomethane	U			1.48	5.00	10	05/26/2023 01:03	WG2066865
n-Butylbenzene	U	UJ	C3	1.53	5.00	10	05/26/2023 01:03	WG2066865
sec-Butylbenzene	U			1.01	5.00	10	05/26/2023 01:03	WG2066865
tert-Butylbenzene	U			0.620	2.00	10	05/26/2023 01:03	WG2066865
Carbon tetrachloride	U			0.432	2.00	10	05/26/2023 01:03	WG2066865
Chlorobenzene	U			0.229	1.00	10	05/26/2023 01:03	WG2066865
Chlorodibromomethane	U			0.180	1.00	10	05/26/2023 01:03	WG2066865
Chloroethane	U			0.432	2.00	10	05/26/2023 01:03	WG2066865
Chloroform	U			0.166	1.00	10	05/26/2023 01:03	WG2066865
Chloromethane	U			0.556	5.00	10	05/26/2023 01:03	WG2066865
2-Chlorotoluene	U			0.368	1.00	10	05/26/2023 01:03	WG2066865
4-Chlorotoluene	U			0.452	2.00	10	05/26/2023 01:03	WG2066865
1,2-Dibromo-3-Chloropropane	U	UJ	C3	2.04	10.0	10	05/26/2023 01:03	WG2066865
1,2-Dibromoethane	U			0.210	1.00	10	05/26/2023 01:03	WG2066865
Dibromomethane	U			0.400	2.00	10	05/26/2023 01:03	WG2066865
1,2-Dichlorobenzene	U			0.580	2.00	10	05/26/2023 01:03	WG2066865
1,3-Dichlorobenzene	U			0.680	2.00	10	05/26/2023 01:03	WG2066865
1,4-Dichlorobenzene	U			0.788	2.00	10	05/26/2023 01:03	WG2066865
Dichlorodifluoromethane	U			0.327	1.00	10	05/26/2023 01:03	WG2066865
1,1-Dichloroethane	U			0.230	1.00	10	05/26/2023 01:03	WG2066865
1,2-Dichloroethane	U			0.190	1.00	10	05/26/2023 01:03	WG2066865
1,1-Dichloroethene	U			0.200	1.00	10	05/26/2023 01:03	WG2066865
cis-1,2-Dichloroethene	95.6			0.276	1.00	10	05/26/2023 01:03	WG2066865
trans-1,2-Dichloroethene	U			0.572	2.00	10	05/26/2023 01:03	WG2066865
1,2-Dichloropropane	U			0.508	2.00	10	05/26/2023 01:03	WG2066865
1,1-Dichloropropene	U			0.280	1.00	10	05/26/2023 01:03	WG2066865
1,3-Dichloropropane	U			0.700	2.00	10	05/26/2023 01:03	WG2066865
cis-1,3-Dichloropropene	U			0.271	1.00	10	05/26/2023 01:03	WG2066865
trans-1,3-Dichloropropene	U			0.612	2.00	10	05/26/2023 01:03	WG2066865

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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	
2,2-Dichloropropane	U		0.317	1.00	10	05/26/2023 01:03	WG2066865
Di-isopropyl ether	U		0.140	0.400	10	05/26/2023 01:03	WG2066865
Ethylbenzene	U		0.212	1.00	10	05/26/2023 01:03	WG2066865
Hexachloro-1,3-butadiene	U		5.08	10.0	10	05/26/2023 01:03	WG2066865
Isopropylbenzene	U	UJ C3	0.345	1.00	10	05/26/2023 01:03	WG2066865
p-Isopropyltoluene	U		0.932	2.00	10	05/26/2023 01:03	WG2066865
2-Butanone (MEK)	U		5.00	10.0	10	05/26/2023 01:03	WG2066865
Methylene Chloride	U		2.65	10.0	10	05/26/2023 01:03	WG2066865
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	05/26/2023 01:03	WG2066865
Methyl tert-butyl ether	U		0.118	0.400	10	05/26/2023 01:03	WG2066865
Naphthalene	U	UJ C3	1.24	5.00	10	05/26/2023 01:03	WG2066865
n-Propylbenzene	U	UJ C3	0.472	2.00	10	05/26/2023 01:03	WG2066865
Styrene	U	UJ C3	1.09	5.00	10	05/26/2023 01:03	WG2066865
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	05/26/2023 01:03	WG2066865
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	05/26/2023 01:03	WG2066865
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	05/26/2023 01:03	WG2066865
Tetrachloroethene	U		0.280	1.00	10	05/26/2023 01:03	WG2066865
Toluene	0.680	J	0.500	2.00	10	05/26/2023 01:03	WG2066865
1,2,3-Trichlorobenzene	U	UJ C3	0.250	5.00	10	05/26/2023 01:03	WG2066865
1,2,4-Trichlorobenzene	U	UJ C3	1.93	5.00	10	05/26/2023 01:03	WG2066865
1,1,1-Trichloroethane	U		0.110	1.00	10	05/26/2023 01:03	WG2066865
1,1,2-Trichloroethane	U		0.353	1.00	10	05/26/2023 01:03	WG2066865
Trichloroethene	U		0.160	0.400	10	05/26/2023 01:03	WG2066865
Trichlorofluoromethane	U		0.200	1.00	10	05/26/2023 01:03	WG2066865
1,2,3-Trichloropropane	U		2.04	5.00	10	05/26/2023 01:03	WG2066865
1,2,4-Trimethylbenzene	U	UJ C3	0.464	2.00	10	05/26/2023 01:03	WG2066865
1,2,3-Trimethylbenzene	U		0.460	2.00	10	05/26/2023 01:03	WG2066865
1,3,5-Trimethylbenzene	U	UJ C3	0.432	2.00	10	05/26/2023 01:03	WG2066865
Vinyl chloride	111		0.273	1.00	10	05/26/2023 01:03	WG2066865
Xylenes, Total	U		1.91	2.60	10	05/26/2023 01:03	WG2066865
Ethyl Ether	U		0.170	1.00	10	05/26/2023 01:03	WG2066865
Tetrahydrofuran	15.7	J- C3 ~~J3~~	0.900	5.00	10	05/26/2023 01:03	WG2066865
Iodomethane	U		2.42	5.00	10	05/26/2023 01:03	WG2066865
Allyl chloride	U		5.80	10.0	10	05/26/2023 01:03	WG2066865
Trans-1,4-Dichloro-2-butene	U		0.560	2.00	10	05/26/2023 01:03	WG2066865
(S) Toluene-d8	*106*			*75.0-131*		*05/26/2023 01:03*	WG2066865
(S) 4-Bromofluorobenzene	*95.6*			*67.0-138*		*05/26/2023 01:03*	WG2066865
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*05/26/2023 01:03*	WG2066865

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Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	15000		379	1000	1	05/18/2023 20:58	WG2062713
Nitrate	U		48.0	100	1	05/18/2023 20:58	WG2062713
Sulfate	39500		594	5000	1	05/18/2023 20:58	WG2062713

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)	1330		102	1000	1	05/29/2023 00:03	WG2066226

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2160		0.287	0.678	1	05/25/2023 16:12	WG2065652
Ethane	4.17		0.296	1.29	1	05/25/2023 16:12	WG2065652
Ethene	11.5		0.422	1.27	1	05/25/2023 16:12	WG2065652

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.63 J+	~~B~~ C5	0.548	1.00	1	05/29/2023 11:28	WG2067908
Acrylonitrile	U		0.0760	0.500	1	05/29/2023 11:28	WG2067908
Benzene	0.0220	J	0.0160	0.0400	1	05/29/2023 11:28	WG2067908
Bromobenzene	U		0.0420	0.500	1	05/29/2023 11:28	WG2067908
Bromodichloromethane	U		0.0315	0.100	1	05/29/2023 11:28	WG2067908
Bromoform	U		0.239	1.00	1	05/29/2023 11:28	WG2067908
Bromomethane	U UJ	C3	0.148	0.500	1	05/29/2023 11:28	WG2067908
n-Butylbenzene	U		0.153	0.500	1	05/29/2023 11:28	WG2067908
sec-Butylbenzene	U		0.101	0.500	1	05/29/2023 11:28	WG2067908
tert-Butylbenzene	U		0.0620	0.200	1	05/29/2023 11:28	WG2067908
Carbon tetrachloride	U		0.0432	0.200	1	05/29/2023 11:28	WG2067908
Chlorobenzene	U		0.0229	0.100	1	05/29/2023 11:28	WG2067908
Chlorodibromomethane	U		0.0180	0.100	1	05/29/2023 11:28	WG2067908
Chloroethane	U		0.0432	0.200	1	05/29/2023 11:28	WG2067908
Chloroform	U		0.0166	0.100	1	05/29/2023 11:28	WG2067908
Chloromethane	U		0.0556	0.500	1	05/29/2023 11:28	WG2067908
2-Chlorotoluene	U		0.0368	0.100	1	05/29/2023 11:28	WG2067908
4-Chlorotoluene	U		0.0452	0.200	1	05/29/2023 11:28	WG2067908
1,2-Dibromo-3-Chloropropane	U UJ	C3	0.204	1.00	1	05/29/2023 11:28	WG2067908
1,2-Dibromoethane	U		0.0210	0.100	1	05/29/2023 11:28	WG2067908
Dibromomethane	U		0.0400	0.200	1	05/29/2023 11:28	WG2067908
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/29/2023 11:28	WG2067908
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/29/2023 11:28	WG2067908
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/29/2023 11:28	WG2067908
Dichlorodifluoromethane	U UJ	C3	0.0327	0.100	1	05/29/2023 11:28	WG2067908
1,1-Dichloroethane	U		0.0230	0.100	1	05/29/2023 11:28	WG2067908
1,2-Dichloroethane	U		0.0190	0.100	1	05/29/2023 11:28	WG2067908
1,1-Dichloroethene	U		0.0200	0.100	1	05/29/2023 11:28	WG2067908
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/29/2023 11:28	WG2067908
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/29/2023 11:28	WG2067908
1,2-Dichloropropane	U		0.0508	0.200	1	05/29/2023 11:28	WG2067908
1,1-Dichloropropene	U		0.0280	0.100	1	05/29/2023 11:28	WG2067908
1,3-Dichloropropane	U		0.0700	0.200	1	05/29/2023 11:28	WG2067908
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/29/2023 11:28	WG2067908
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/29/2023 11:28	WG2067908

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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
2,2-Dichloropropane	U		0.0317	0.100	1	05/29/2023 11:28	WG2067908
Di-isopropyl ether	U	J4	0.0140	0.0400	1	05/29/2023 11:28	WG2067908
Ethylbenzene	0.0520	J	0.0212	0.100	1	05/29/2023 11:28	WG2067908
Hexachloro-1,3-butadiene	U UJ	C3	0.508	1.00	1	05/29/2023 11:28	WG2067908
Isopropylbenzene	U		0.0345	0.100	1	05/29/2023 11:28	WG2067908
p-Isopropyltoluene	U		0.0932	0.200	1	05/29/2023 11:28	WG2067908
2-Butanone (MEK)	U		0.500	1.00	1	05/29/2023 11:28	WG2067908
Methylene Chloride	U		0.265	1.00	1	05/29/2023 11:28	WG2067908
4-Methyl-2-pentanone (MIBK)	U	J4	0.400	1.00	1	05/29/2023 11:28	WG2067908
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/29/2023 11:28	WG2067908
Naphthalene	U UJ	C3	0.124	0.500	1	05/29/2023 11:28	WG2067908
n-Propylbenzene	U		0.0472	0.200	1	05/29/2023 11:28	WG2067908
Styrene	U		0.109	0.500	1	05/29/2023 11:28	WG2067908
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/29/2023 11:28	WG2067908
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/29/2023 11:28	WG2067908
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/29/2023 11:28	WG2067908
Tetrachloroethene	U		0.0280	0.100	1	05/29/2023 11:28	WG2067908
Toluene	0.248		0.0500	0.200	1	05/29/2023 11:28	WG2067908
1,2,3-Trichlorobenzene	U UJ	C3	0.0250	0.500	1	05/29/2023 11:28	WG2067908
1,2,4-Trichlorobenzene	U UJ	C3	0.193	0.500	1	05/29/2023 11:28	WG2067908
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/29/2023 11:28	WG2067908
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/29/2023 11:28	WG2067908
Trichloroethene	U		0.0160	0.0400	1	05/29/2023 11:28	WG2067908
Trichlorofluoromethane	U		0.0200	0.100	1	05/29/2023 11:28	WG2067908
1,2,3-Trichloropropane	U		0.204	0.500	1	05/29/2023 11:28	WG2067908
1,2,4-Trimethylbenzene	0.125	J	0.0464	0.200	1	05/29/2023 11:28	WG2067908
1,2,3-Trimethylbenzene	0.0660	J	0.0460	0.200	1	05/29/2023 11:28	WG2067908
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/29/2023 11:28	WG2067908
Vinyl chloride	1.61		0.0273	0.100	1	05/29/2023 11:28	WG2067908
Xylenes, Total	0.315		0.191	0.260	1	05/29/2023 11:28	WG2067908
Ethyl Ether	U		0.0170	0.100	1	05/29/2023 11:28	WG2067908
Tetrahydrofuran	0.610 J+	C5 J4	0.0900	0.500	1	05/29/2023 11:28	WG2067908
Iodomethane	U		0.242	0.500	1	05/29/2023 11:28	WG2067908
Allyl chloride	U		0.580	1.00	1	05/29/2023 11:28	WG2067908
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/29/2023 11:28	WG2067908
(S) Toluene-d8	*104*			*75.0-131*		*05/29/2023 11:28*	WG2067908
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/29/2023 11:28*	WG2067908
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*05/29/2023 11:28*	WG2067908

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