Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

June 29, 2020

TRC Solutions - Austin, TX

Sample Delivery Group:	L1230655
Samples Received:	06/18/2020
Project Number:	330538.0000.0000
Description:	NCL Spring 2020
Site:	NCL (NAVAJO-ARTESIA)
Report To:	Julie Speer
	505 E. Huntland Dr, Ste 250
	Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

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Released to Imaging: 11/22/2022 9:50:00 AM

MW-56 L1230655-01 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 11:25
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1495936	1	06/19/20 21:38	06/20/20 06:05	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495502	1	06/25/20 17:08	06/25/20 17:08	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/23/20 20:00	06/23/20 20:00	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	50	06/23/20 20:30	06/23/20 20:30	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495347	1	06/25/20 08:41	06/25/20 16:57	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495377	1	06/24/20 14:25	06/26/20 00:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496260	1	06/20/20 15:48	06/20/20 15:48	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/24/20 21:22	CAG	Mt. Juliet, TN

MW-55 L1230655-02 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 10:40
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1495936	1	06/19/20 21:38	06/20/20 06:05	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495502	1	06/25/20 17:09	06/25/20 17:09	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	1	06/25/20 15:00	06/25/20 22:17	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/23/20 20:45	06/23/20 20:45	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	50	06/23/20 21:00	06/23/20 21:00	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1494969	1	06/18/20 20:00	06/19/20 10:03	ABL	Mt. Juliet, TN
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 20:48	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495344	1	06/25/20 09:02	06/25/20 12:21	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495364	1	06/23/20 10:16	06/23/20 13:14	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495347	1	06/25/20 08:41	06/25/20 17:00	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495347	1	06/25/20 08:41	06/26/20 13:44	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495377	1	06/24/20 14:25	06/26/20 00:50	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496473	1	06/21/20 19:30	06/21/20 19:30	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496260	1	06/20/20 16:09	06/20/20 16:09	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499276	10	06/25/20 17:23	06/25/20 17:23	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/24/20 21:48	CAG	Mt. Juliet, TN

MW-54A L1230655-03 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 09:55
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1495936	1	06/19/20 21:38	06/20/20 06:05	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495502	1	06/25/20 17:15	06/25/20 17:15	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/23/20 21:14	06/23/20 21:14	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	20	06/23/20 21:29	06/23/20 21:29	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495347	1	06/25/20 08:41	06/25/20 17:03	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495377	1	06/24/20 14:25	06/26/20 00:54	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496260	1	06/20/20 16:29	06/20/20 16:29	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499276	1	06/25/20 17:03	06/25/20 17:03	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/24/20 22:13	CAG	Mt. Juliet, TN

NCL-49 L1230655-04 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 10:45
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1495936	1	06/19/20 21:38	06/20/20 06:05	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495502	2	06/25/20 17:18	06/25/20 17:18	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/24/20 10:14	06/24/20 10:14	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	100	06/23/20 22:29	06/23/20 22:29	ELN	Mt. Juliet, TN

NCL-49 L1230655-04 GW

			Collected by	Collected date/time	Received date/time	
			Scott Ude / HMI Team	06/16/20 10:45	06/18/20 08:45	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1495347	1	06/25/20 08:41	06/25/20 17:07	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495377	1	06/24/20 14:25	06/26/20 00:57	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496260	1	06/20/20 16:50	06/20/20 16:50	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/24/20 22:39	CAG	Mt. Juliet, TN

DUP-NCL-01 L1230655-05 GW

			Collected by	Collected date/time	Received date/time	
			Scott Ude / HMI Team	06/16/20 10:00	06/18/20 08:45	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1495936	1	06/19/20 21:38	06/20/20 06:05	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495502	5	06/25/20 17:35	06/25/20 17:35	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/24/20 10:28	06/24/20 10:28	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	100	06/23/20 22:59	06/23/20 22:59	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495347	1	06/25/20 08:41	06/25/20 17:25	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495377	1	06/24/20 14:25	06/26/20 01:01	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496260	1	06/20/20 17:10	06/20/20 17:10	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/24/20 23:05	CAG	Mt. Juliet, TN

TRIP BLANK-NCL-01 L1230655-06 GW

			Collected by	Collected date/time	Received date/time	
			Scott Ude / HMI Team	06/16/20 00:00	06/18/20 08:45	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496260	1	06/20/20 14:46	06/20/20 14:46	ACG	Mt. Juliet, TN

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

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.



Chris McCord
Project Manager

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3520		14.1	50.0	1	06/20/2020 06:05	WG1495936

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/25/2020 17:08	WG1495502

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	219		19.0	50.0	50	06/23/2020 20:30	WG1497346
Fluoride	1.08		0.0640	0.150	1	06/23/2020 20:00	WG1497346
Sulfate	1990		29.7	250	50	06/23/2020 20:30	WG1497346

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00529		0.000735	0.00200	1	06/26/2020 00:47	WG1495377
Arsenic,Dissolved	0.00665		0.000735	0.00200	1	06/25/2020 16:57	WG1495347
Barium	0.0104	J	0.00778	0.0200	1	06/26/2020 00:47	WG1495377
Barium,Dissolved	0.0113	J	0.00778	0.0200	1	06/25/2020 16:57	WG1495347
Calcium	496		0.480	1.00	1	06/26/2020 00:47	WG1495377
Chromium	U		0.00149	0.00200	1	06/26/2020 00:47	WG1495377
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 16:57	WG1495347
Iron	U		0.0489	0.100	1	06/26/2020 00:47	WG1495377
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 16:57	WG1495347
Lead	U		0.00249	0.00500	1	06/26/2020 00:47	WG1495377
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 16:57	WG1495347
Manganese	0.302		0.00132	0.00500	1	06/26/2020 00:47	WG1495377
Manganese,Dissolved	0.342		0.00132	0.00500	1	06/25/2020 16:57	WG1495347
Potassium	1.70	J	0.534	2.00	1	06/26/2020 00:47	WG1495377
Selenium	0.000968	J	0.000657	0.00200	1	06/26/2020 00:47	WG1495377
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 16:57	WG1495347
Sodium	142		0.630	2.00	1	06/26/2020 00:47	WG1495377

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/20/2020 15:48	WG1496260
Benzene	U		0.0000941	0.00100	1	06/20/2020 15:48	WG1496260
Bromodichloromethane	U		0.000136	0.00100	1	06/20/2020 15:48	WG1496260
Bromoform	U		0.000129	0.00100	1	06/20/2020 15:48	WG1496260
Bromomethane	U		0.000605	0.00500	1	06/20/2020 15:48	WG1496260
n-Butylbenzene	U		0.000157	0.00100	1	06/20/2020 15:48	WG1496260
sec-Butylbenzene	U		0.000125	0.00100	1	06/20/2020 15:48	WG1496260
Carbon disulfide	U		0.0000962	0.00100	1	06/20/2020 15:48	WG1496260
Carbon tetrachloride	U		0.000128	0.00100	1	06/20/2020 15:48	WG1496260
Chlorobenzene	U		0.000116	0.00100	1	06/20/2020 15:48	WG1496260
Chlorodibromomethane	U		0.000140	0.00100	1	06/20/2020 15:48	WG1496260
Chloroethane	U		0.000192	0.00500	1	06/20/2020 15:48	WG1496260
Chloroform	U		0.000111	0.00500	1	06/20/2020 15:48	WG1496260
Chloromethane	U		0.000960	0.00250	1	06/20/2020 15:48	WG1496260
1,2-Dibromoethane	U		0.000126	0.00100	1	06/20/2020 15:48	WG1496260
1,1-Dichloroethane	U		0.000100	0.00100	1	06/20/2020 15:48	WG1496260

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/20/2020 15:48	WG1496260
1,1-Dichloroethene	U		0.000188	0.00100	1	06/20/2020 15:48	WG1496260
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/20/2020 15:48	WG1496260
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/20/2020 15:48	WG1496260
1,2-Dichloropropane	U		0.000149	0.00100	1	06/20/2020 15:48	WG1496260
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/20/2020 15:48	WG1496260
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/20/2020 15:48	WG1496260
Ethylbenzene	U		0.000137	0.00100	1	06/20/2020 15:48	WG1496260
Isopropylbenzene	U		0.000105	0.00100	1	06/20/2020 15:48	WG1496260
p-Isopropyltoluene	U		0.000120	0.00100	1	06/20/2020 15:48	WG1496260
2-Butanone (MEK)	U		0.00119	0.0100	1	06/20/2020 15:48	WG1496260
2-Hexanone	U		0.000787	0.0100	1	06/20/2020 15:48	WG1496260
Methylene Chloride	U		0.000430	0.00500	1	06/20/2020 15:48	WG1496260
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/20/2020 15:48	WG1496260
Methyl tert-butyl ether	0.000339	J	0.000101	0.00100	1	06/20/2020 15:48	WG1496260
Naphthalene	U		0.00100	0.00500	1	06/20/2020 15:48	WG1496260
n-Propylbenzene	U		0.0000993	0.00100	1	06/20/2020 15:48	WG1496260
Styrene	U		0.000118	0.00100	1	06/20/2020 15:48	WG1496260
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/20/2020 15:48	WG1496260
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/20/2020 15:48	WG1496260
Tetrachloroethene	U		0.000300	0.00100	1	06/20/2020 15:48	WG1496260
Toluene	U		0.000278	0.00100	1	06/20/2020 15:48	WG1496260
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/20/2020 15:48	WG1496260
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/20/2020 15:48	WG1496260
Trichloroethene	U		0.000190	0.00100	1	06/20/2020 15:48	WG1496260
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/20/2020 15:48	WG1496260
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/20/2020 15:48	WG1496260
Vinyl chloride	U		0.000234	0.00100	1	06/20/2020 15:48	WG1496260
o-Xylene	U		0.000174	0.00100	1	06/20/2020 15:48	WG1496260
m&p-Xylene	U		0.000430	0.00200	1	06/20/2020 15:48	WG1496260
Xylenes, Total	U		0.000174	0.00300	1	06/20/2020 15:48	WG1496260
(S) Toluene-d8	*104*			*80.0-120*		*06/20/2020 15:48*	WG1496260
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/20/2020 15:48*	WG1496260
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*		*06/20/2020 15:48*	WG1496260

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.110		0.0247	0.100	1	06/24/2020 21:22	WG1496547
(S) o-Terphenyl	*85.3*			*31.0-160*		*06/24/2020 21:22*	WG1496547

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3480		14.1	50.0	1	06/20/2020 06:05	WG1495936

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0643	J	0.0500	0.100	1	06/25/2020 17:09	WG1495502

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	06/25/2020 22:17	WG1498827

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	580		19.0	50.0	50	06/23/2020 21:00	WG1497346
Fluoride	1.55		0.0640	0.150	1	06/23/2020 20:45	WG1497346
Sulfate	1540		29.7	250	50	06/23/2020 21:00	WG1497346

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	06/19/2020 10:03	WG1494969
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 20:48	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.979		0.0254	0.200	1	06/23/2020 13:14	WG1495364
Boron,Dissolved	0.985		0.0254	0.200	1	06/25/2020 12:21	WG1495344

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00632		0.000735	0.00200	1	06/26/2020 00:50	WG1495377
Arsenic,Dissolved	0.00696		0.000735	0.00200	1	06/25/2020 17:00	WG1495347
Barium	0.0119	J	0.00778	0.0200	1	06/26/2020 00:50	WG1495377
Barium,Dissolved	0.0122	J	0.00778	0.0200	1	06/25/2020 17:00	WG1495347
Cadmium	U		0.000478	0.00100	1	06/26/2020 00:50	WG1495377
Cadmium,Dissolved	U		0.000478	0.00100	1	06/25/2020 17:00	WG1495347
Calcium	410		0.480	1.00	1	06/26/2020 00:50	WG1495377
Chromium	U		0.00149	0.00200	1	06/26/2020 00:50	WG1495377
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 17:00	WG1495347
Cobalt	U		0.000477	0.00200	1	06/26/2020 00:50	WG1495377
Cobalt,Dissolved	U		0.000477	0.00200	1	06/25/2020 17:00	WG1495347
Iron	U		0.0489	0.100	1	06/26/2020 00:50	WG1495377
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 17:00	WG1495347
Lead	U		0.00249	0.00500	1	06/26/2020 00:50	WG1495377
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 17:00	WG1495347
Manganese	0.148		0.00132	0.00500	1	06/26/2020 00:50	WG1495377
Manganese,Dissolved	0.166		0.00132	0.00500	1	06/25/2020 17:00	WG1495347
Nickel	0.00713		0.000952	0.00200	1	06/26/2020 00:50	WG1495377
Nickel,Dissolved	0.00645		0.000952	0.00200	1	06/26/2020 13:44	WG1495347

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Collected date/time: 06/16/20 10:40
L1230655

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	0.672	J	0.534	2.00	1	06/26/2020 00:50	WG1495377
Selenium	0.00121	J	0.000657	0.00200	1	06/26/2020 00:50	WG1495377
Selenium,Dissolved	0.000735	J	0.000657	0.00200	1	06/25/2020 17:00	WG1495347
Sodium	225		0.630	2.00	1	06/26/2020 00:50	WG1495377
Uranium	0.0549		0.00754	0.0200	1	06/26/2020 00:50	WG1495377
Uranium,Dissolved	0.0513		0.00754	0.0200	1	06/25/2020 17:00	WG1495347
Vanadium	0.0189		0.000986	0.00500	1	06/26/2020 00:50	WG1495377
Vanadium,Dissolved	0.0214		0.000986	0.00500	1	06/25/2020 17:00	WG1495347

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.140		0.0314	0.100	1	06/21/2020 19:30	WG1496473
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*78.0-120*		*06/21/2020 19:30*	WG1496473

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/20/2020 16:09	WG1496260
Benzene	U		0.0000941	0.00100	1	06/20/2020 16:09	WG1496260
Bromodichloromethane	U		0.000136	0.00100	1	06/20/2020 16:09	WG1496260
Bromoform	U		0.000129	0.00100	1	06/20/2020 16:09	WG1496260
Bromomethane	U		0.000605	0.00500	1	06/20/2020 16:09	WG1496260
n-Butylbenzene	U		0.000157	0.00100	1	06/20/2020 16:09	WG1496260
sec-Butylbenzene	U		0.000125	0.00100	1	06/20/2020 16:09	WG1496260
Carbon disulfide	U		0.0000962	0.00100	1	06/20/2020 16:09	WG1496260
Carbon tetrachloride	U		0.000128	0.00100	1	06/20/2020 16:09	WG1496260
Chlorobenzene	U		0.000116	0.00100	1	06/20/2020 16:09	WG1496260
Chlorodibromomethane	U		0.000140	0.00100	1	06/20/2020 16:09	WG1496260
Chloroethane	U		0.000192	0.00500	1	06/20/2020 16:09	WG1496260
Chloroform	U		0.000111	0.00500	1	06/20/2020 16:09	WG1496260
Chloromethane	U		0.000960	0.00250	1	06/20/2020 16:09	WG1496260
1,2-Dibromoethane	U		0.000126	0.00100	1	06/20/2020 16:09	WG1496260
1,1-Dichloroethane	U		0.000100	0.00100	1	06/20/2020 16:09	WG1496260
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/20/2020 16:09	WG1496260
1,1-Dichloroethene	U		0.000188	0.00100	1	06/20/2020 16:09	WG1496260
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/20/2020 16:09	WG1496260
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/20/2020 16:09	WG1496260
1,2-Dichloropropane	U		0.000149	0.00100	1	06/20/2020 16:09	WG1496260
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/20/2020 16:09	WG1496260
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/20/2020 16:09	WG1496260
Ethylbenzene	U		0.000137	0.00100	1	06/20/2020 16:09	WG1496260
Isopropylbenzene	U		0.000105	0.00100	1	06/20/2020 16:09	WG1496260
p-Isopropyltoluene	U		0.000120	0.00100	1	06/20/2020 16:09	WG1496260
2-Butanone (MEK)	U		0.00119	0.0100	1	06/20/2020 16:09	WG1496260
2-Hexanone	U		0.000787	0.0100	1	06/20/2020 16:09	WG1496260
Methylene Chloride	U		0.000430	0.00500	1	06/20/2020 16:09	WG1496260
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/20/2020 16:09	WG1496260
Methyl tert-butyl ether	0.228		0.00101	0.0100	10	06/25/2020 17:23	WG1499276
Naphthalene	U		0.00100	0.00500	1	06/20/2020 16:09	WG1496260
n-Propylbenzene	U		0.0000993	0.00100	1	06/20/2020 16:09	WG1496260
Styrene	U		0.000118	0.00100	1	06/20/2020 16:09	WG1496260
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/20/2020 16:09	WG1496260
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/20/2020 16:09	WG1496260
Tetrachloroethene	U		0.000300	0.00100	1	06/20/2020 16:09	WG1496260

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Collected date/time: 06/16/20 10:40
L1230655

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Toluene	U		0.000278	0.00100	1	06/20/2020 16:09	WG1496260
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/20/2020 16:09	WG1496260
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/20/2020 16:09	WG1496260
Trichloroethene	U		0.000190	0.00100	1	06/20/2020 16:09	WG1496260
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/20/2020 16:09	WG1496260
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/20/2020 16:09	WG1496260
Vinyl chloride	U		0.000234	0.00100	1	06/20/2020 16:09	WG1496260
o-Xylene	U		0.000174	0.00100	1	06/20/2020 16:09	WG1496260
m&p-Xylene	U		0.000430	0.00200	1	06/20/2020 16:09	WG1496260
Xylenes, Total	U		0.000174	0.00300	1	06/20/2020 16:09	WG1496260
(S) Toluene-d8	*109*			*80.0-120*		*06/20/2020 16:09*	WG1496260
(S) Toluene-d8	*91.3*			*80.0-120*		*06/25/2020 17:23*	WG1499276
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*06/20/2020 16:09*	WG1496260
(S) 4-Bromofluorobenzene	*88.5*			*77.0-126*		*06/25/2020 17:23*	WG1499276
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/20/2020 16:09*	WG1496260
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*06/25/2020 17:23*	WG1499276

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.950		0.0247	0.100	1	06/24/2020 21:48	WG1496547
(S) o-Terphenyl	*96.8*			*31.0-160*		*06/24/2020 21:48*	WG1496547

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2030		7.05	25.0	1	06/20/2020 06:05	WG1495936

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/25/2020 17:15	WG1495502

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	198		7.58	20.0	20	06/23/2020 21:29	WG1497346
Fluoride	0.809		0.0640	0.150	1	06/23/2020 21:14	WG1497346
Sulfate	838		11.9	100	20	06/23/2020 21:29	WG1497346

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00452		0.000735	0.00200	1	06/26/2020 00:54	WG1495377
Arsenic,Dissolved	0.00496		0.000735	0.00200	1	06/25/2020 17:03	WG1495347
Barium	0.0168	J	0.00778	0.0200	1	06/26/2020 00:54	WG1495377
Barium,Dissolved	0.0159	J	0.00778	0.0200	1	06/25/2020 17:03	WG1495347
Calcium	366		0.480	1.00	1	06/26/2020 00:54	WG1495377
Chromium	U		0.00149	0.00200	1	06/26/2020 00:54	WG1495377
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 17:03	WG1495347
Iron	0.188		0.0489	0.100	1	06/26/2020 00:54	WG1495377
Iron,Dissolved	0.0929	J	0.0489	0.100	1	06/25/2020 17:03	WG1495347
Lead	U		0.00249	0.00500	1	06/26/2020 00:54	WG1495377
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 17:03	WG1495347
Manganese	0.589		0.00132	0.00500	1	06/26/2020 00:54	WG1495377
Manganese,Dissolved	0.633		0.00132	0.00500	1	06/25/2020 17:03	WG1495347
Potassium	U		0.534	2.00	1	06/26/2020 00:54	WG1495377
Selenium	U		0.000657	0.00200	1	06/26/2020 00:54	WG1495377
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 17:03	WG1495347
Sodium	55.5		0.630	2.00	1	06/26/2020 00:54	WG1495377

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/20/2020 16:29	WG1496260
Benzene	U		0.0000941	0.00100	1	06/20/2020 16:29	WG1496260
Bromodichloromethane	U		0.000136	0.00100	1	06/20/2020 16:29	WG1496260
Bromoform	U		0.000129	0.00100	1	06/20/2020 16:29	WG1496260
Bromomethane	U		0.000605	0.00500	1	06/20/2020 16:29	WG1496260
n-Butylbenzene	U		0.000157	0.00100	1	06/20/2020 16:29	WG1496260
sec-Butylbenzene	U		0.000125	0.00100	1	06/20/2020 16:29	WG1496260
Carbon disulfide	U		0.0000962	0.00100	1	06/20/2020 16:29	WG1496260
Carbon tetrachloride	U		0.000128	0.00100	1	06/20/2020 16:29	WG1496260
Chlorobenzene	U		0.000116	0.00100	1	06/20/2020 16:29	WG1496260
Chlorodibromomethane	U		0.000140	0.00100	1	06/20/2020 16:29	WG1496260
Chloroethane	U		0.000192	0.00500	1	06/20/2020 16:29	WG1496260
Chloroform	U		0.000111	0.00500	1	06/20/2020 16:29	WG1496260
Chloromethane	U		0.000960	0.00250	1	06/20/2020 16:29	WG1496260
1,2-Dibromoethane	U		0.000126	0.00100	1	06/20/2020 16:29	WG1496260
1,1-Dichloroethane	U		0.000100	0.00100	1	06/20/2020 16:29	WG1496260

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

Released to Imaging: 11/22/2022 9:50:00 AM

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/20/2020 16:29	WG1496260
1,1-Dichloroethene	U		0.000188	0.00100	1	06/20/2020 16:29	WG1496260
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/20/2020 16:29	WG1496260
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/20/2020 16:29	WG1496260
1,2-Dichloropropane	U		0.000149	0.00100	1	06/20/2020 16:29	WG1496260
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/20/2020 16:29	WG1496260
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/20/2020 16:29	WG1496260
Ethylbenzene	U		0.000137	0.00100	1	06/20/2020 16:29	WG1496260
Isopropylbenzene	U		0.000105	0.00100	1	06/20/2020 16:29	WG1496260
p-Isopropyltoluene	U		0.000120	0.00100	1	06/20/2020 16:29	WG1496260
2-Butanone (MEK)	U		0.00119	0.0100	1	06/20/2020 16:29	WG1496260
2-Hexanone	U		0.000787	0.0100	1	06/20/2020 16:29	WG1496260
Methylene Chloride	U		0.000430	0.00500	1	06/20/2020 16:29	WG1496260
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/20/2020 16:29	WG1496260
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/25/2020 17:03	WG1499276
Naphthalene	U		0.00100	0.00500	1	06/20/2020 16:29	WG1496260
n-Propylbenzene	U		0.0000993	0.00100	1	06/20/2020 16:29	WG1496260
Styrene	U		0.000118	0.00100	1	06/20/2020 16:29	WG1496260
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/20/2020 16:29	WG1496260
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/20/2020 16:29	WG1496260
Tetrachloroethene	U		0.000300	0.00100	1	06/20/2020 16:29	WG1496260
Toluene	U		0.000278	0.00100	1	06/20/2020 16:29	WG1496260
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/20/2020 16:29	WG1496260
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/20/2020 16:29	WG1496260
Trichloroethene	U		0.000190	0.00100	1	06/20/2020 16:29	WG1496260
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/20/2020 16:29	WG1496260
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/20/2020 16:29	WG1496260
Vinyl chloride	U		0.000234	0.00100	1	06/20/2020 16:29	WG1496260
o-Xylene	U		0.000174	0.00100	1	06/20/2020 16:29	WG1496260
m&p-Xylene	U		0.000430	0.00200	1	06/20/2020 16:29	WG1496260
Xylenes, Total	U		0.000174	0.00300	1	06/20/2020 16:29	WG1496260
(S) Toluene-d8	*110*			*80.0-120*		*06/20/2020 16:29*	WG1496260
(S) Toluene-d8	*93.4*			*80.0-120*		*06/25/2020 17:03*	WG1499276
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*06/20/2020 16:29*	WG1496260
(S) 4-Bromofluorobenzene	*91.9*			*77.0-126*		*06/25/2020 17:03*	WG1499276
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/20/2020 16:29*	WG1496260
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/25/2020 17:03*	WG1499276

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.97		0.0247	0.100	1	06/24/2020 22:13	WG1496547
(S) o-Terphenyl	*105*			*31.0-160*		*06/24/2020 22:13*	WG1496547

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3350		14.1	50.0	1	06/20/2020 06:05	WG1495936

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	9.98		0.100	0.200	2	06/25/2020 17:18	WG1495502

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	128		37.9	100	100	06/23/2020 22:29	WG1497346
Fluoride	0.609		0.0640	0.150	1	06/24/2020 10:14	WG1497346
Sulfate	1910		59.4	500	100	06/23/2020 22:29	WG1497346

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00135	J	0.000735	0.00200	1	06/26/2020 00:57	WG1495377
Arsenic,Dissolved	0.00149	J	0.000735	0.00200	1	06/25/2020 17:07	WG1495347
Barium	0.0145	J	0.00778	0.0200	1	06/26/2020 00:57	WG1495377
Barium,Dissolved	0.0135	J	0.00778	0.0200	1	06/25/2020 17:07	WG1495347
Calcium	486		0.480	1.00	1	06/26/2020 00:57	WG1495377
Chromium	U		0.00149	0.00200	1	06/26/2020 00:57	WG1495377
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 17:07	WG1495347
Iron	U		0.0489	0.100	1	06/26/2020 00:57	WG1495377
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 17:07	WG1495347
Lead	U		0.00249	0.00500	1	06/26/2020 00:57	WG1495377
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 17:07	WG1495347
Manganese	0.0222		0.00132	0.00500	1	06/26/2020 00:57	WG1495377
Manganese,Dissolved	0.00448	J	0.00132	0.00500	1	06/25/2020 17:07	WG1495347
Potassium	0.686	J	0.534	2.00	1	06/26/2020 00:57	WG1495377
Selenium	0.00832		0.000657	0.00200	1	06/26/2020 00:57	WG1495377
Selenium,Dissolved	0.00782		0.000657	0.00200	1	06/25/2020 17:07	WG1495347
Sodium	133		0.630	2.00	1	06/26/2020 00:57	WG1495377

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/20/2020 16:50	WG1496260
Benzene	U		0.0000941	0.00100	1	06/20/2020 16:50	WG1496260
Bromodichloromethane	U		0.000136	0.00100	1	06/20/2020 16:50	WG1496260
Bromoform	U		0.000129	0.00100	1	06/20/2020 16:50	WG1496260
Bromomethane	U		0.000605	0.00500	1	06/20/2020 16:50	WG1496260
n-Butylbenzene	U		0.000157	0.00100	1	06/20/2020 16:50	WG1496260
sec-Butylbenzene	U		0.000125	0.00100	1	06/20/2020 16:50	WG1496260
Carbon disulfide	U		0.0000962	0.00100	1	06/20/2020 16:50	WG1496260
Carbon tetrachloride	U		0.000128	0.00100	1	06/20/2020 16:50	WG1496260
Chlorobenzene	U		0.000116	0.00100	1	06/20/2020 16:50	WG1496260
Chlorodibromomethane	U		0.000140	0.00100	1	06/20/2020 16:50	WG1496260
Chloroethane	U		0.000192	0.00500	1	06/20/2020 16:50	WG1496260
Chloroform	U		0.000111	0.00500	1	06/20/2020 16:50	WG1496260
Chloromethane	U		0.000960	0.00250	1	06/20/2020 16:50	WG1496260
1,2-Dibromoethane	U		0.000126	0.00100	1	06/20/2020 16:50	WG1496260
1,1-Dichloroethane	U		0.000100	0.00100	1	06/20/2020 16:50	WG1496260

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/20/2020 16:50	WG1496260
1,1-Dichloroethene	U		0.000188	0.00100	1	06/20/2020 16:50	WG1496260
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/20/2020 16:50	WG1496260
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/20/2020 16:50	WG1496260
1,2-Dichloropropane	U		0.000149	0.00100	1	06/20/2020 16:50	WG1496260
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/20/2020 16:50	WG1496260
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/20/2020 16:50	WG1496260
Ethylbenzene	U		0.000137	0.00100	1	06/20/2020 16:50	WG1496260
Isopropylbenzene	U		0.000105	0.00100	1	06/20/2020 16:50	WG1496260
p-Isopropyltoluene	U		0.000120	0.00100	1	06/20/2020 16:50	WG1496260
2-Butanone (MEK)	U		0.00119	0.0100	1	06/20/2020 16:50	WG1496260
2-Hexanone	U		0.000787	0.0100	1	06/20/2020 16:50	WG1496260
Methylene Chloride	U		0.000430	0.00500	1	06/20/2020 16:50	WG1496260
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/20/2020 16:50	WG1496260
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/20/2020 16:50	WG1496260
Naphthalene	U		0.00100	0.00500	1	06/20/2020 16:50	WG1496260
n-Propylbenzene	U		0.0000993	0.00100	1	06/20/2020 16:50	WG1496260
Styrene	U		0.000118	0.00100	1	06/20/2020 16:50	WG1496260
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/20/2020 16:50	WG1496260
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/20/2020 16:50	WG1496260
Tetrachloroethene	U		0.000300	0.00100	1	06/20/2020 16:50	WG1496260
Toluene	U		0.000278	0.00100	1	06/20/2020 16:50	WG1496260
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/20/2020 16:50	WG1496260
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/20/2020 16:50	WG1496260
Trichloroethene	U		0.000190	0.00100	1	06/20/2020 16:50	WG1496260
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/20/2020 16:50	WG1496260
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/20/2020 16:50	WG1496260
Vinyl chloride	U		0.000234	0.00100	1	06/20/2020 16:50	WG1496260
o-Xylene	U		0.000174	0.00100	1	06/20/2020 16:50	WG1496260
m&p-Xylene	U		0.000430	0.00200	1	06/20/2020 16:50	WG1496260
Xylenes, Total	U		0.000174	0.00300	1	06/20/2020 16:50	WG1496260
(S) Toluene-d8	*101*			*80.0-120*		*06/20/2020 16:50*	WG1496260
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/20/2020 16:50*	WG1496260
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*06/20/2020 16:50*	WG1496260

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0917	J	0.0247	0.100	1	06/24/2020 22:39	WG1496547
(S) o-Terphenyl	*76.8*			*31.0-160*		*06/24/2020 22:39*	WG1496547

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3350		14.1	50.0	1	06/20/2020 06:05	WG1495936

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	9.95		0.250	0.500	5	06/25/2020 17:35	WG1495502

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	128		37.9	100	100	06/23/2020 22:59	WG1497346
Fluoride	0.613		0.0640	0.150	1	06/24/2020 10:28	WG1497346
Sulfate	1920		59.4	500	100	06/23/2020 22:59	WG1497346

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00123	J	0.000735	0.00200	1	06/26/2020 01:01	WG1495377
Arsenic,Dissolved	0.00165	J	0.000735	0.00200	1	06/25/2020 17:25	WG1495347
Barium	0.0126	J	0.00778	0.0200	1	06/26/2020 01:01	WG1495377
Barium,Dissolved	0.0138	J	0.00778	0.0200	1	06/25/2020 17:25	WG1495347
Calcium	472		0.480	1.00	1	06/26/2020 01:01	WG1495377
Chromium	U		0.00149	0.00200	1	06/26/2020 01:01	WG1495377
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 17:25	WG1495347
Iron	U		0.0489	0.100	1	06/26/2020 01:01	WG1495377
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 17:25	WG1495347
Lead	U		0.00249	0.00500	1	06/26/2020 01:01	WG1495377
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 17:25	WG1495347
Manganese	0.00204	J	0.00132	0.00500	1	06/26/2020 01:01	WG1495377
Manganese,Dissolved	0.00492	J	0.00132	0.00500	1	06/25/2020 17:25	WG1495347
Potassium	0.652	J	0.534	2.00	1	06/26/2020 01:01	WG1495377
Selenium	0.00717		0.000657	0.00200	1	06/26/2020 01:01	WG1495377
Selenium,Dissolved	0.00785		0.000657	0.00200	1	06/25/2020 17:25	WG1495347
Sodium	135		0.630	2.00	1	06/26/2020 01:01	WG1495377

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/20/2020 17:10	WG1496260
Benzene	U		0.0000941	0.00100	1	06/20/2020 17:10	WG1496260
Bromodichloromethane	U		0.000136	0.00100	1	06/20/2020 17:10	WG1496260
Bromoform	U		0.000129	0.00100	1	06/20/2020 17:10	WG1496260
Bromomethane	U		0.000605	0.00500	1	06/20/2020 17:10	WG1496260
n-Butylbenzene	U		0.000157	0.00100	1	06/20/2020 17:10	WG1496260
sec-Butylbenzene	U		0.000125	0.00100	1	06/20/2020 17:10	WG1496260
Carbon disulfide	U		0.0000962	0.00100	1	06/20/2020 17:10	WG1496260
Carbon tetrachloride	U		0.000128	0.00100	1	06/20/2020 17:10	WG1496260
Chlorobenzene	U		0.000116	0.00100	1	06/20/2020 17:10	WG1496260
Chlorodibromomethane	U		0.000140	0.00100	1	06/20/2020 17:10	WG1496260
Chloroethane	U		0.000192	0.00500	1	06/20/2020 17:10	WG1496260
Chloroform	U		0.000111	0.00500	1	06/20/2020 17:10	WG1496260
Chloromethane	U		0.000960	0.00250	1	06/20/2020 17:10	WG1496260
1,2-Dibromoethane	U		0.000126	0.00100	1	06/20/2020 17:10	WG1496260
1,1-Dichloroethane	U		0.000100	0.00100	1	06/20/2020 17:10	WG1496260

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/20/2020 17:10	WG1496260
1,1-Dichloroethene	U		0.000188	0.00100	1	06/20/2020 17:10	WG1496260
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/20/2020 17:10	WG1496260
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/20/2020 17:10	WG1496260
1,2-Dichloropropane	U		0.000149	0.00100	1	06/20/2020 17:10	WG1496260
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/20/2020 17:10	WG1496260
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/20/2020 17:10	WG1496260
Ethylbenzene	U		0.000137	0.00100	1	06/20/2020 17:10	WG1496260
Isopropylbenzene	U		0.000105	0.00100	1	06/20/2020 17:10	WG1496260
p-Isopropyltoluene	U		0.000120	0.00100	1	06/20/2020 17:10	WG1496260
2-Butanone (MEK)	U		0.00119	0.0100	1	06/20/2020 17:10	WG1496260
2-Hexanone	U		0.000787	0.0100	1	06/20/2020 17:10	WG1496260
Methylene Chloride	U		0.000430	0.00500	1	06/20/2020 17:10	WG1496260
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/20/2020 17:10	WG1496260
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/20/2020 17:10	WG1496260
Naphthalene	U		0.00100	0.00500	1	06/20/2020 17:10	WG1496260
n-Propylbenzene	U		0.0000993	0.00100	1	06/20/2020 17:10	WG1496260
Styrene	U		0.000118	0.00100	1	06/20/2020 17:10	WG1496260
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/20/2020 17:10	WG1496260
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/20/2020 17:10	WG1496260
Tetrachloroethene	U		0.000300	0.00100	1	06/20/2020 17:10	WG1496260
Toluene	U		0.000278	0.00100	1	06/20/2020 17:10	WG1496260
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/20/2020 17:10	WG1496260
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/20/2020 17:10	WG1496260
Trichloroethene	U		0.000190	0.00100	1	06/20/2020 17:10	WG1496260
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/20/2020 17:10	WG1496260
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/20/2020 17:10	WG1496260
Vinyl chloride	U		0.000234	0.00100	1	06/20/2020 17:10	WG1496260
o-Xylene	U		0.000174	0.00100	1	06/20/2020 17:10	WG1496260
m&p-Xylene	U		0.000430	0.00200	1	06/20/2020 17:10	WG1496260
Xylenes, Total	U		0.000174	0.00300	1	06/20/2020 17:10	WG1496260
(S) Toluene-d8	*107*			*80.0-120*		*06/20/2020 17:10*	WG1496260
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*06/20/2020 17:10*	WG1496260
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/20/2020 17:10*	WG1496260

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0640	J	0.0247	0.100	1	06/24/2020 23:05	WG1496547
(S) o-Terphenyl	*80.0*			*31.0-160*		*06/24/2020 23:05*	WG1496547

Received by OCD: 11/22/2022 9:46:04 AM

TRIP BLANK-NCL-01
Collected date/time: 06/16/20 00:00

SAMPLE RESULTS - 06

L1230655

ONE LAB. NATIONWIDE.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/20/2020 14:46	WG1496260
Benzene	U		0.0000941	0.00100	1	06/20/2020 14:46	WG1496260
Bromodichloromethane	U		0.000136	0.00100	1	06/20/2020 14:46	WG1496260
Bromoform	U		0.000129	0.00100	1	06/20/2020 14:46	WG1496260
Bromomethane	U		0.000605	0.00500	1	06/20/2020 14:46	WG1496260
n-Butylbenzene	U		0.000157	0.00100	1	06/20/2020 14:46	WG1496260
sec-Butylbenzene	U		0.000125	0.00100	1	06/20/2020 14:46	WG1496260
Carbon disulfide	U		0.0000962	0.00100	1	06/20/2020 14:46	WG1496260
Carbon tetrachloride	U		0.000128	0.00100	1	06/20/2020 14:46	WG1496260
Chlorobenzene	U		0.000116	0.00100	1	06/20/2020 14:46	WG1496260
Chlorodibromomethane	U		0.000140	0.00100	1	06/20/2020 14:46	WG1496260
Chloroethane	U		0.000192	0.00500	1	06/20/2020 14:46	WG1496260
Chloroform	U		0.000111	0.00500	1	06/20/2020 14:46	WG1496260
Chloromethane	U		0.000960	0.00250	1	06/20/2020 14:46	WG1496260
1,2-Dibromoethane	U		0.000126	0.00100	1	06/20/2020 14:46	WG1496260
1,1-Dichloroethane	U		0.000100	0.00100	1	06/20/2020 14:46	WG1496260
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/20/2020 14:46	WG1496260
1,1-Dichloroethene	U		0.000188	0.00100	1	06/20/2020 14:46	WG1496260
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/20/2020 14:46	WG1496260
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/20/2020 14:46	WG1496260
1,2-Dichloropropane	U		0.000149	0.00100	1	06/20/2020 14:46	WG1496260
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/20/2020 14:46	WG1496260
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/20/2020 14:46	WG1496260
Ethylbenzene	U		0.000137	0.00100	1	06/20/2020 14:46	WG1496260
Isopropylbenzene	U		0.000105	0.00100	1	06/20/2020 14:46	WG1496260
p-Isopropyltoluene	U		0.000120	0.00100	1	06/20/2020 14:46	WG1496260
2-Butanone (MEK)	U		0.00119	0.0100	1	06/20/2020 14:46	WG1496260
2-Hexanone	U		0.000787	0.0100	1	06/20/2020 14:46	WG1496260
Methylene Chloride	U		0.000430	0.00500	1	06/20/2020 14:46	WG1496260
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/20/2020 14:46	WG1496260
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/20/2020 14:46	WG1496260
Naphthalene	U		0.00100	0.00500	1	06/20/2020 14:46	WG1496260
n-Propylbenzene	U		0.0000993	0.00100	1	06/20/2020 14:46	WG1496260
Styrene	U		0.000118	0.00100	1	06/20/2020 14:46	WG1496260
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/20/2020 14:46	WG1496260
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/20/2020 14:46	WG1496260
Tetrachloroethene	U		0.000300	0.00100	1	06/20/2020 14:46	WG1496260
Toluene	U		0.000278	0.00100	1	06/20/2020 14:46	WG1496260
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/20/2020 14:46	WG1496260
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/20/2020 14:46	WG1496260
Trichloroethene	U		0.000190	0.00100	1	06/20/2020 14:46	WG1496260
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/20/2020 14:46	WG1496260
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/20/2020 14:46	WG1496260
Vinyl chloride	U		0.000234	0.00100	1	06/20/2020 14:46	WG1496260
o-Xylene	U		0.000174	0.00100	1	06/20/2020 14:46	WG1496260
m&p-Xylene	U		0.000430	0.00200	1	06/20/2020 14:46	WG1496260
Xylenes, Total	U		0.000174	0.00300	1	06/20/2020 14:46	WG1496260
(S) Toluene-d8	*103*			*80.0-120*		*06/20/2020 14:46*	WG1496260
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/20/2020 14:46*	WG1496260
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/20/2020 14:46*	WG1496260

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

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3541555-1 06/20/20 06:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1229859-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1229859-01 06/20/20 06:05 • (DUP) R3541555-3 06/20/20 06:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	359	356	1	0.839		5

L1230665-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1230665-12 06/20/20 06:05 • (DUP) R3541555-4 06/20/20 06:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	936	940	1	0.426		5

Laboratory Control Sample (LCS)

(LCS) R3541555-2 06/20/20 06:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8780	99.8	85.0-115	

Method Blank (MB)

(MB) R3543078-1 06/25/20 16:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1230655-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1230655-03 06/25/20 17:15 • (DUP) R3543078-7 06/25/20 17:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3543078-2 06/25/20 16:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	3.97	99.3	90.0-110	

L1230655-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230655-02 06/25/20 17:09 • (MS) R3543078-6 06/25/20 17:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	0.0643	2.82	110	1	90.0-110	

Method Blank (MB)

(MB) R3543143-1 06/25/20 22:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1230655-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1230655-02 06/25/20 22:17 • (DUP) R3543143-3 06/25/20 22:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1230685-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-24 06/25/20 22:34 • (DUP) R3543143-6 06/25/20 22:37

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3543143-2 06/25/20 22:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.103	103	90.0-110	

L1230685-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-02 06/25/20 22:25 • (MS) R3543143-4 06/25/20 22:26 • (MSD) R3543143-5 06/25/20 22:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0841	0.0852	84.1	85.2	1	75.0-125			1.30	20

L1230685-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-25 06/25/20 22:38 • (MS) R3543143-7 06/25/20 22:39 • (MSD) R3543143-8 06/25/20 22:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0877	0.0944	87.7	94.4	1	75.0-125			7.36	20

Method Blank (MB)

(MB) R3542446-1 06/23/20 19:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1230674-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230674-01 06/23/20 23:14 • (DUP) R3542446-3 06/23/20 23:29

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	61.0	61.0	1	0.127		15
Fluoride	0.105	0.102	1	2.42	J	15

L1230678-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1230678-06 06/24/20 02:58 • (DUP) R3542446-6 06/24/20 03:13

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

L1230674-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230674-01 06/24/20 10:43 • (DUP) R3542446-8 06/24/20 11:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	156	154	5	1.33		15

Laboratory Control Sample (LCS)

(LCS) R3542446-2 06/23/20 19:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.0	97.6	80.0-120	
Fluoride	8.00	7.96	99.5	80.0-120	
Sulfate	40.0	39.7	99.3	80.0-120	

L1230674-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230674-02 06/23/20 23:44 • (MS) R3542446-4 06/23/20 23:59 • (MSD) R3542446-5 06/24/20 00:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	63.8	112	112	95.7	96.0	1	80.0-120	E	E	0.142	15
Fluoride	5.00	0.123	5.09	5.12	99.3	99.9	1	80.0-120			0.537	15
Sulfate	50.0	159	198	199	78.5	79.2	1	80.0-120	E J6	E J6	0.178	15

L1230681-21 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230681-21 06/24/20 03:28 • (MS) R3542446-7 06/24/20 03:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	U	50.0	99.9	1	80.0-120	
Fluoride	5.00	U	4.99	99.9	1	80.0-120	
Sulfate	50.0	U	50.4	101	1	80.0-120	

Method Blank (MB)

(MB) R3540492-1 06/19/20 09:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3540492-2 06/19/20 09:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00299	99.5	80.0-120	

Method Blank (MB)

(MB) R3541143-1 06/21/20 20:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3541143-2 06/21/20 20:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00335	112	80.0-120	

L1230687-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230687-05 06/21/20 20:38 • (MS) R3541143-3 06/21/20 20:40 • (MSD) R3541143-4 06/21/20 20:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00246	0.00247	82.0	82.2	1	75.0-125			0.166	20

Method Blank (MB)

(MB) R3542922-1 06/25/20 11:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3542922-2 06/25/20 11:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	1.02	102	80.0-120	

L1230685-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-22 06/25/20 11:51 • (MS) R3542922-4 06/25/20 11:57 • (MSD) R3542922-5 06/25/20 12:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.184	1.21	1.22	103	103	1	75.0-125			0.380	20

Method Blank (MB)

(MB) R3541893-1 06/23/20 12:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3541893-2 06/23/20 12:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.983	98.3	80.0-120	

L1230522-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230522-01 06/23/20 12:41 • (MS) R3541893-4 06/23/20 12:46 • (MSD) R3541893-5 06/23/20 12:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.106	1.09	1.10	98.6	99.4	1	75.0-125			0.747	20

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

Method Blank (MB)

(MB) R3543085-1 06/25/20 15:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Cadmium,Dissolved	U		0.000478	0.00100
Chromium,Dissolved	U		0.00149	0.00200
Cobalt,Dissolved	U		0.000477	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Selenium,Dissolved	U		0.000657	0.00200
Uranium,Dissolved	U		0.00754	0.0200
Vanadium,Dissolved	U		0.000986	0.00500

Method Blank (MB)

(MB) R3543423-1 06/26/20 12:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nickel,Dissolved	U		0.000952	0.00200

Laboratory Control Sample (LCS)

(LCS) R3543085-2 06/25/20 15:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0528	106	80.0-120	
Barium,Dissolved	0.0500	0.0494	98.9	80.0-120	
Cadmium,Dissolved	0.0500	0.0524	105	80.0-120	
Chromium,Dissolved	0.0500	0.0540	108	80.0-120	
Cobalt,Dissolved	0.0500	0.0536	107	80.0-120	
Iron,Dissolved	5.00	5.27	105	80.0-120	
Lead,Dissolved	0.0500	0.0466	93.1	80.0-120	
Manganese,Dissolved	0.0500	0.0520	104	80.0-120	
Selenium,Dissolved	0.0500	0.0513	103	80.0-120	
Uranium,Dissolved	0.0500	0.0454	90.9	80.0-120	
Vanadium,Dissolved	0.0500	0.0535	107	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3543423-2 06/26/20 12:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nickel,Dissolved	0.0500	0.0539	108	80.0-120	

L1230651-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230651-02 06/25/20 15:38 • (MS) R3543085-4 06/25/20 15:45 • (MSD) R3543085-5 06/25/20 15:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00381	0.0566	0.0569	106	106	1	75.0-125			0.468	20
Barium,Dissolved	0.0500	0.167	0.219	0.215	105	96.1	1	75.0-125			2.02	20
Cadmium,Dissolved	0.0500	U	0.0527	0.0537	105	107	1	75.0-125			1.96	20
Chromium,Dissolved	0.0500	U	0.0545	0.0541	109	108	1	75.0-125			0.715	20
Cobalt,Dissolved	0.0500	U	0.0531	0.0545	106	109	1	75.0-125			2.57	20
Iron,Dissolved	5.00	42.2	46.2	47.6	78.6	107	1	75.0-125			3.06	20
Lead,Dissolved	0.0500	U	0.0477	0.0470	95.4	94.0	1	75.0-125			1.50	20
Manganese,Dissolved	0.0500	4.48	4.41	4.50	0.000	40.3	1	75.0-125	V	V	2.09	20
Selenium,Dissolved	0.0500	U	0.0506	0.0523	101	105	1	75.0-125			3.32	20
Uranium,Dissolved	0.0500	U	0.0479	0.0465	95.7	93.1	1	75.0-125			2.81	20
Vanadium,Dissolved	0.0500	0.00124	0.0539	0.0555	105	109	1	75.0-125			2.99	20

Method Blank (MB)

(MB) R3543195-1 06/26/20 00:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3543195-2 06/26/20 00:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0485	97.0	80.0-120	
Barium	0.0500	0.0512	102	80.0-120	
Cadmium	0.0500	0.0513	103	80.0-120	
Calcium	5.00	5.02	100	80.0-120	
Chromium	0.0500	0.0510	102	80.0-120	
Cobalt	0.0500	0.0497	99.4	80.0-120	
Iron	5.00	5.18	104	80.0-120	
Lead	0.0500	0.0510	102	80.0-120	
Manganese	0.0500	0.0498	99.6	80.0-120	
Nickel	0.0500	0.0510	102	80.0-120	
Potassium	5.00	4.92	98.5	80.0-120	
Selenium	0.0500	0.0516	103	80.0-120	
Sodium	5.00	4.71	94.2	80.0-120	
Uranium	0.0500	0.0494	98.8	80.0-120	
Vanadium	0.0500	0.0494	98.8	80.0-120	

Method Blank (MB)

(MB) R3542396-3 06/21/20 11:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*96.4*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3542396-2 06/21/20 10:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.02	91.3	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*78.0-120*	

L1230687-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230687-05 06/21/20 13:09 • (MS) R3542396-4 06/21/20 16:33 • (MSD) R3542396-5 06/21/20 16:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	U	3.21	3.35	58.4	60.9	1	10.0-160			4.27	22
(S) a,a,a-Trifluorotoluene(FID)					*99.2*	*99.2*		*78.0-120*				

Method Blank (MB)

(MB) R3543045-2 06/20/20 14:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Method Blank (MB)

(MB) R3543045-2 06/20/20 14:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3543045-1 06/20/20 13:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0265	106	19.0-160	
Benzene	0.00500	0.00427	85.4	70.0-123	
Bromodichloromethane	0.00500	0.00475	95.0	75.0-120	
Bromoform	0.00500	0.00500	100	68.0-132	
Bromomethane	0.00500	0.00439	87.8	10.0-160	
n-Butylbenzene	0.00500	0.00442	88.4	73.0-125	
sec-Butylbenzene	0.00500	0.00484	96.8	75.0-125	
Carbon disulfide	0.00500	0.00465	93.0	61.0-128	
Carbon tetrachloride	0.00500	0.00489	97.8	68.0-126	
Chlorobenzene	0.00500	0.00480	96.0	80.0-121	
Chlorodibromomethane	0.00500	0.00555	111	77.0-125	
Chloroethane	0.00500	0.00457	91.4	47.0-150	
Chloroform	0.00500	0.00468	93.6	73.0-120	
Chloromethane	0.00500	0.00311	62.2	41.0-142	
1,2-Dibromoethane	0.00500	0.00531	106	80.0-122	
1,1-Dichloroethane	0.00500	0.00454	90.8	70.0-126	
1,2-Dichloroethane	0.00500	0.00492	98.4	70.0-128	
1,1-Dichloroethene	0.00500	0.00459	91.8	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00491	98.2	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00467	93.4	73.0-120	
1,2-Dichloropropane	0.00500	0.00394	78.8	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00451	90.2	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00495	99.0	78.0-124	

Laboratory Control Sample (LCS)

(LCS) R3543045-1 06/20/20 13:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00479	95.8	79.0-123	
2-Hexanone	0.0250	0.0234	93.6	67.0-149	
Isopropylbenzene	0.00500	0.00473	94.6	76.0-127	
p-Isopropyltoluene	0.00500	0.00484	96.8	76.0-125	
2-Butanone (MEK)	0.0250	0.0221	88.4	44.0-160	
Methylene Chloride	0.00500	0.00480	96.0	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0207	82.8	68.0-142	
Methyl tert-butyl ether	0.00500	0.00485	97.0	68.0-125	
Naphthalene	0.00500	0.00627	125	54.0-135	
n-Propylbenzene	0.00500	0.00412	82.4	77.0-124	
Styrene	0.00500	0.00467	93.4	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00459	91.8	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00405	81.0	65.0-130	
Tetrachloroethene	0.00500	0.00511	102	72.0-132	
Toluene	0.00500	0.00463	92.6	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00513	103	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00458	91.6	80.0-120	
Trichloroethene	0.00500	0.00488	97.6	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00489	97.8	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00448	89.6	76.0-122	
Vinyl chloride	0.00500	0.00400	80.0	67.0-131	
Xylenes, Total	0.0150	0.0143	95.3	79.0-123	
o-Xylene	0.00500	0.00480	96.0	80.0-122	
m&p-Xylenes	0.0100	0.00946	94.6	80.0-122	
(S) Toluene-d8			*104*	*80.0-120*	
(S) 4-Bromofluorobenzene			*105*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*105*	*70.0-130*	

Method Blank (MB)

(MB) R3543112-3 06/25/20 11:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Methyl tert-butyl ether	U		0.000101	0.00100
(S) Toluene-d8	*95.6*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3543112-1 06/25/20 10:11

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methyl tert-butyl ether	0.00500	0.00545	109	68.0-125	
(S) Toluene-d8			*96.2*	*80.0-120*	
(S) 4-Bromofluorobenzene			*90.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*112*	*70.0-130*	

Method Blank (MB)

(MB) R3542707-1 06/24/20 20:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*85.5*			*31.0-160*

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

(LCS) R3542707-2 06/24/20 20:30 • (LCSD) R3542707-3 06/24/20 20:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.51	1.55	101	103	50.0-150			2.61	20
(S) o-Terphenyl				*100*	*103*	*31.0-160*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* 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 National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
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	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

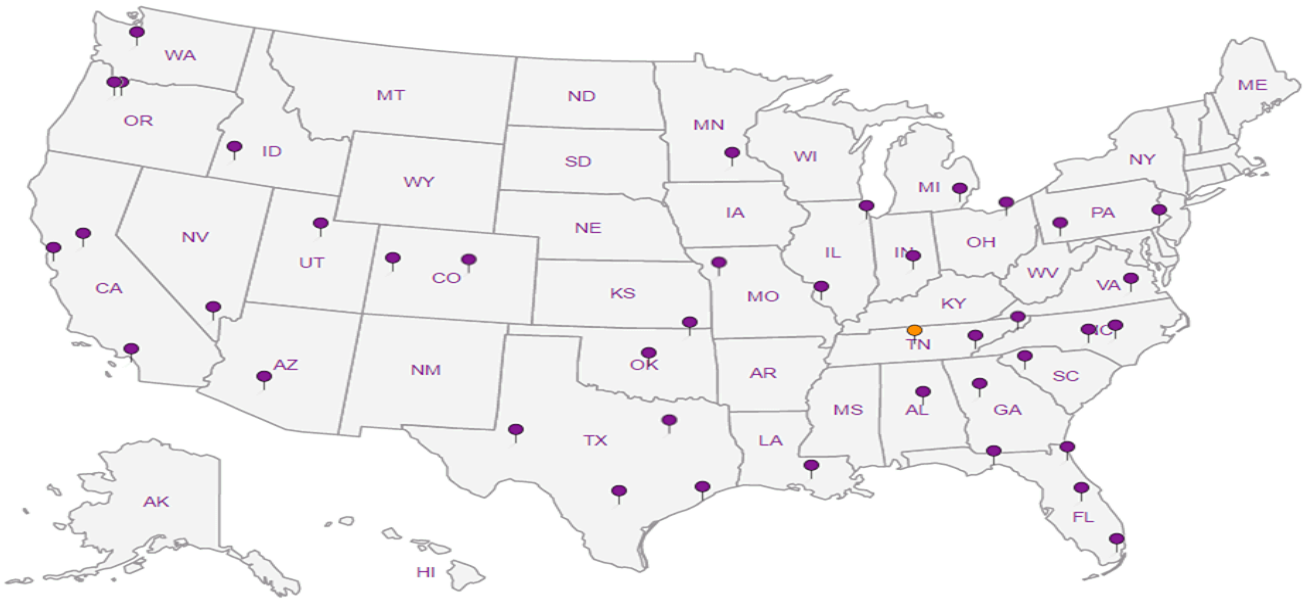
Third Party Federal Accreditations

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **NCL Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-NCL**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **NCL (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 230655
1069

Acctnum: TRCATX
Template: T133457
Prelogin: P763441
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-56	Grab	GW		6/16/20	1125	8	X	X		X	X	X						01
MW-45	Grab	GW				9	X	X			X	X	X	X				
NCL-34A	Grab	GW				8	X	X		X	X	X						
NCL-33	Grab	GW				8	X	X		X	X	X						
NCL-44	Grab	GW				8	X	X		X	X	X						
NCL-32	Grab	GW				8	X	X		X	X	X						
MW-108	Grab	GW				8	X	X		X	X	X						
NCL-31	Grab	GW				8	X	X		X	X	X						
MW-55	Grab	GW		6/16/20	1040	11	X	X	X		X	X	X	X				02
MW-18	Grab	GW				9	X	X			X	X	X	X				

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

Remarks:
Dissolved metals field-filtered.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: ✓ __N
Bottles arrive intact: ✓ __N
Correct bottles used: ✓ __N
Sufficient volume sent: ✓ __N
If Applicable
VOA Zero Headspace: ✓ __N
Preservation Correct/Checked: ✓ __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	6/17/20	0800		✓	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.4/1.5 °C Bottles Received: 43+1TB	
				1.0-2=8	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **NCL Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-NCL**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **NCL (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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 2 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 230655

Table #

Acctnum: TRCATX
Template: T133457
Prelogin: P763441
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-54A	Grab	GW		6/16/20	955	8	X	X		X	X	X						03
NCL-49	Grab	GW		6/16/20	1045	8	X	X		X	X	X						04
~~MW-53~~	Grab	GW				8	X	X		X	X	X		missing due to construction				
DUP-NCL-01	Grab	GW		6/16/20	1000	8	X	X		X	X	X						05
EB-NCL-01	Grab	GW				8	X	X		X	X	X						
TRIP BLANK-NCL-01	Grab	GW		6/16/20	—	1	X											06

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

Remarks:
Dissolved metals field-filtered.

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: __ __N
Preservation Correct/Checked: __Y __N
N.D SCREEN: <0.5 mR/hr

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	6/17/20	0800		x1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.0-.2=.8 °C Bottles Received: 43+1TB HCl	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845	Hold: Condition: NCF / OK

Released to Imaging: 11/22/2022 9:50:00 AM
Received by OCD: 11/22/2022 9:46:04 AM

123865

Tracking #	Corresponding Temp.
4492 6229 7130	1.0 - .2 = 0.8 MP A3
↓ 6230 6815	3.2 ± 0 = 3.2 HM A2
1203 5785 6018	1.8 ± 0 = 1.8 HM A2
1203 5786 0856	1.1 ± 0 = 1.1 HM A2
4492 6230 1310	0.9 ± 0 = 0.9
16635756 9559	1.1 ± 0 = 1.1
4492 6230 6859	0.4 ± 0 = 0.4
8098 2926 7587	1.7 ± 0 = 1.7
↓ ↓ 8790	1.1 ± 0 = 1.1
1203 5785 6030	1.3 ± 0 = 1.3
4492 6230 1331	0.4 ± 0 = 0.4
↓ ↓ 1309	2.3 ± 0 = 2.3
1663 5756 9560	3.0 ± 0 = 3.0
↓ ↓ 9570	0.6 ± 0 = 0.6
4492 6230 1310	0.7 ± 0 = 0.7

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Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

June 29, 2020

TRC Solutions - Austin, TX

Sample Delivery Group:	L1230678
Samples Received:	06/18/2020
Project Number:	330538.0000.0000
Description:	TEL Spring 2020
Site:	TEL - NAVAJO-ARTESIA
Report To:	Julie Speer
	505 E. Huntland Dr, Ste 250
	Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

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



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TEL-4 L1230678-01 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 12:55
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1495937	1	06/19/20 21:40	06/20/20 08:52	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495502	10	06/25/20 17:36	06/25/20 17:36	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/24/20 11:58	06/24/20 11:58	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	100	06/24/20 00:44	06/24/20 00:44	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495347	1	06/25/20 08:41	06/25/20 17:29	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 00:38	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 11:29	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496338	5	06/21/20 06:15	06/21/20 06:15	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	5	06/21/20 06:41	06/21/20 06:41	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/24/20 23:31	CAG	Mt. Juliet, TN

TEL-2 L1230678-02 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 11:25
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1495937	1	06/19/20 21:40	06/20/20 08:52	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495502	10	06/25/20 17:21	06/25/20 17:21	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/24/20 12:13	06/24/20 12:13	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	100	06/24/20 01:43	06/24/20 01:43	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495347	1	06/25/20 08:41	06/25/20 17:32	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 00:51	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 11:48	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	10	06/22/20 02:51	06/22/20 02:51	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	10	06/21/20 07:01	06/21/20 07:01	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	10	06/22/20 00:16	06/25/20 06:27	CAG	Mt. Juliet, TN

TEL-1 L1230678-03 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 10:25
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1495937	1	06/19/20 21:40	06/20/20 08:52	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495502	10	06/25/20 17:23	06/25/20 17:23	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/24/20 12:28	06/24/20 12:28	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	20	06/24/20 01:58	06/24/20 01:58	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495347	1	06/25/20 08:41	06/25/20 17:35	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 00:55	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 11:51	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	10	06/22/20 03:11	06/22/20 03:11	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	1	06/21/20 02:18	06/21/20 02:18	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	10	06/22/20 00:16	06/26/20 08:53	JDG	Mt. Juliet, TN

MW-49 L1230678-04 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 13:40
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1495937	1	06/19/20 21:40	06/20/20 08:52	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495502	50	06/25/20 17:24	06/25/20 17:24	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	50	06/25/20 15:00	06/25/20 22:19	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	10	06/24/20 14:58	06/24/20 14:58	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	5	06/24/20 02:13	06/24/20 02:13	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1495276	1	06/18/20 20:00	06/19/20 15:00	ABL	Mt. Juliet, TN
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 20:50	TCT	Mt. Juliet, TN

MW-49 L1230678-04 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 13:40
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1495344	1	06/25/20 09:02	06/25/20 12:24	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495365	1	06/25/20 07:36	06/25/20 12:10	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495347	1	06/25/20 08:41	06/25/20 17:38	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495347	1	06/25/20 08:41	06/26/20 13:47	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 00:58	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 11:55	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	20	06/22/20 03:31	06/22/20 03:31	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	20	06/21/20 07:22	06/21/20 07:22	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/24/20 23:57	CAG	Mt. Juliet, TN

DUP-TEL-01 L1230678-05 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 12:00
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1495937	1	06/19/20 21:40	06/20/20 08:52	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:14	06/24/20 19:14	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/24/20 12:43	06/24/20 12:43	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	100	06/24/20 02:43	06/24/20 02:43	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 18:45	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 01:02	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 12:14	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	10	06/22/20 03:52	06/22/20 03:52	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	1	06/21/20 02:38	06/21/20 02:38	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/25/20 00:22	CAG	Mt. Juliet, TN

EB-TEL-01 L1230678-06 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 11:40
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1495937	1	06/19/20 21:40	06/20/20 08:52	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:16	06/24/20 19:16	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/24/20 02:58	06/24/20 02:58	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 19:00	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 01:12	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 12:18	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 02:30	06/22/20 02:30	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	1	06/21/20 01:37	06/21/20 01:37	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/25/20 15:58	TJD	Mt. Juliet, TN

TRIP BLANK-TEL-01 L1230678-07 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 00:00
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	1	06/21/20 01:58	06/21/20 01:58	BMB	Mt. Juliet, TN

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.



Chris McCord
Project Manager

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	3770		14.1	50.0	1	06/20/2020 08:52	WG1495937

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.500	1.00	10	06/25/2020 17:36	WG1495502

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	456		37.9	100	100	06/24/2020 00:44	WG1497346
Fluoride	0.932		0.0640	0.150	1	06/24/2020 11:58	WG1497346
Sulfate	1480		59.4	500	100	06/24/2020 00:44	WG1497346

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00632		0.000735	0.00200	1	06/25/2020 00:38	WG1495379
Arsenic,Dissolved	0.00668		0.000735	0.00200	1	06/25/2020 17:29	WG1495347
Barium	0.0169	J	0.00778	0.0200	1	06/25/2020 00:38	WG1495379
Barium,Dissolved	0.0183	J	0.00778	0.0200	1	06/25/2020 17:29	WG1495347
Calcium	305		0.480	1.00	1	06/25/2020 00:38	WG1495379
Chromium	0.103		0.00149	0.00200	1	06/25/2020 00:38	WG1495379
Chromium,Dissolved	0.00662		0.00149	0.00200	1	06/25/2020 17:29	WG1495347
Iron	0.455		0.0489	0.100	1	06/25/2020 00:38	WG1495379
Iron,Dissolved	0.151		0.0489	0.100	1	06/25/2020 17:29	WG1495347
Lead	U		0.00249	0.00500	1	06/25/2020 00:38	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 17:29	WG1495347
Manganese	1.17	V	0.00132	0.00500	1	06/25/2020 00:38	WG1495379
Manganese,Dissolved	1.35		0.00132	0.00500	1	06/25/2020 17:29	WG1495347
Potassium	U		0.534	2.00	1	06/25/2020 00:38	WG1495379
Selenium	0.000712	J	0.000657	0.00200	1	06/25/2020 00:38	WG1495379
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 17:29	WG1495347
Sodium	284	O1 V	0.630	2.00	1	06/25/2020 11:29	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.456	J	0.157	0.500	5	06/21/2020 06:15	WG1496338
(S) a,a,a-Trifluorotoluene(FID)	*85.5*			*78.0-120*		*06/21/2020 06:15*	WG1496338

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0565	0.250	5	06/21/2020 06:41	WG1496261
Benzene	0.00721		0.000471	0.00500	5	06/21/2020 06:41	WG1496261
Bromodichloromethane	U		0.000680	0.00500	5	06/21/2020 06:41	WG1496261
Bromoform	U		0.000645	0.00500	5	06/21/2020 06:41	WG1496261
Bromomethane	U		0.00303	0.0250	5	06/21/2020 06:41	WG1496261
n-Butylbenzene	U		0.000785	0.00500	5	06/21/2020 06:41	WG1496261
sec-Butylbenzene	0.00914		0.000625	0.00500	5	06/21/2020 06:41	WG1496261
Carbon disulfide	U		0.000481	0.00500	5	06/21/2020 06:41	WG1496261
Carbon tetrachloride	U		0.000640	0.00500	5	06/21/2020 06:41	WG1496261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000580	0.00500	5	06/21/2020 06:41	WG1496261
Chlorodibromomethane	U		0.000700	0.00500	5	06/21/2020 06:41	WG1496261
Chloroethane	U		0.000960	0.0250	5	06/21/2020 06:41	WG1496261
Chloroform	U		0.000555	0.0250	5	06/21/2020 06:41	WG1496261
Chloromethane	U		0.00480	0.0125	5	06/21/2020 06:41	WG1496261
1,2-Dibromoethane	U		0.000630	0.00500	5	06/21/2020 06:41	WG1496261
1,1-Dichloroethane	U		0.000500	0.00500	5	06/21/2020 06:41	WG1496261
1,2-Dichloroethane	U		0.000409	0.00500	5	06/21/2020 06:41	WG1496261
1,1-Dichloroethene	U		0.000940	0.00500	5	06/21/2020 06:41	WG1496261
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	06/21/2020 06:41	WG1496261
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	06/21/2020 06:41	WG1496261
1,2-Dichloropropane	U		0.000745	0.00500	5	06/21/2020 06:41	WG1496261
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	06/21/2020 06:41	WG1496261
trans-1,3-Dichloropropene	U		0.000590	0.00500	5	06/21/2020 06:41	WG1496261
Ethylbenzene	U		0.000685	0.00500	5	06/21/2020 06:41	WG1496261
Isopropylbenzene	0.0148		0.000525	0.00500	5	06/21/2020 06:41	WG1496261
p-Isopropyltoluene	U		0.000600	0.00500	5	06/21/2020 06:41	WG1496261
2-Butanone (MEK)	U		0.00595	0.0500	5	06/21/2020 06:41	WG1496261
2-Hexanone	U		0.00394	0.0500	5	06/21/2020 06:41	WG1496261
Methylene Chloride	U		0.00215	0.0250	5	06/21/2020 06:41	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	06/21/2020 06:41	WG1496261
Methyl tert-butyl ether	0.0431		0.000505	0.00500	5	06/21/2020 06:41	WG1496261
Naphthalene	U		0.00500	0.0250	5	06/21/2020 06:41	WG1496261
n-Propylbenzene	0.00519		0.000497	0.00500	5	06/21/2020 06:41	WG1496261
Styrene	U		0.000590	0.00500	5	06/21/2020 06:41	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	06/21/2020 06:41	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	06/21/2020 06:41	WG1496261
Tetrachloroethene	U		0.00150	0.00500	5	06/21/2020 06:41	WG1496261
Toluene	U		0.00139	0.00500	5	06/21/2020 06:41	WG1496261
1,1,1-Trichloroethane	U		0.000745	0.00500	5	06/21/2020 06:41	WG1496261
1,1,2-Trichloroethane	U		0.000790	0.00500	5	06/21/2020 06:41	WG1496261
Trichloroethene	U		0.000950	0.00500	5	06/21/2020 06:41	WG1496261
1,2,4-Trimethylbenzene	U		0.00161	0.00500	5	06/21/2020 06:41	WG1496261
1,3,5-Trimethylbenzene	U		0.000520	0.00500	5	06/21/2020 06:41	WG1496261
Vinyl chloride	U		0.00117	0.00500	5	06/21/2020 06:41	WG1496261
o-Xylene	U		0.000870	0.00500	5	06/21/2020 06:41	WG1496261
m&p-Xylene	U		0.00215	0.0100	5	06/21/2020 06:41	WG1496261
Xylenes, Total	U		0.000870	0.0150	5	06/21/2020 06:41	WG1496261
(S) Toluene-d8	*108*			*80.0-120*		*06/21/2020 06:41*	WG1496261
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/21/2020 06:41*	WG1496261
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*06/21/2020 06:41*	WG1496261

Sample Narrative:

L1230678-01 WG1496261: DILUTION DUE TO FOAM

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.73		0.0247	0.100	1	06/24/2020 23:31	WG1496547
(S) o-Terphenyl	*132*			*31.0-160*		*06/24/2020 23:31*	WG1496547

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3400		14.1	50.0	1	06/20/2020 08:52	WG1495937

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.500	1.00	10	06/25/2020 17:21	WG1495502

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	130		37.9	100	100	06/24/2020 01:43	WG1497346
Fluoride	0.988		0.0640	0.150	1	06/24/2020 12:13	WG1497346
Sulfate	1540		59.4	500	100	06/24/2020 01:43	WG1497346

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00826		0.000735	0.00200	1	06/25/2020 00:51	WG1495379
Arsenic,Dissolved	0.00940		0.000735	0.00200	1	06/25/2020 17:32	WG1495347
Barium	0.131		0.00778	0.0200	1	06/25/2020 00:51	WG1495379
Barium,Dissolved	0.0307		0.00778	0.0200	1	06/25/2020 17:32	WG1495347
Calcium	280		0.480	1.00	1	06/25/2020 00:51	WG1495379
Chromium	0.00193	J	0.00149	0.00200	1	06/25/2020 00:51	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 17:32	WG1495347
Iron	0.0517	J	0.0489	0.100	1	06/25/2020 00:51	WG1495379
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 17:32	WG1495347
Lead	U		0.00249	0.00500	1	06/25/2020 00:51	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 17:32	WG1495347
Manganese	0.0341		0.00132	0.00500	1	06/25/2020 00:51	WG1495379
Manganese,Dissolved	0.0377		0.00132	0.00500	1	06/25/2020 17:32	WG1495347
Potassium	1.05	J	0.534	2.00	1	06/25/2020 00:51	WG1495379
Selenium	U		0.000657	0.00200	1	06/25/2020 00:51	WG1495379
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 17:32	WG1495347
Sodium	373		0.630	2.00	1	06/25/2020 11:48	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.89		0.314	1.00	10	06/22/2020 02:51	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*89.1*			*78.0-120*		*06/22/2020 02:51*	WG1496530

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	06/21/2020 07:01	WG1496261
Benzene	0.362		0.000941	0.0100	10	06/21/2020 07:01	WG1496261
Bromodichloromethane	U		0.00136	0.0100	10	06/21/2020 07:01	WG1496261
Bromoform	U		0.00129	0.0100	10	06/21/2020 07:01	WG1496261
Bromomethane	U		0.00605	0.0500	10	06/21/2020 07:01	WG1496261
n-Butylbenzene	U		0.00157	0.0100	10	06/21/2020 07:01	WG1496261
sec-Butylbenzene	0.00313	J	0.00125	0.0100	10	06/21/2020 07:01	WG1496261
Carbon disulfide	U		0.000962	0.0100	10	06/21/2020 07:01	WG1496261
Carbon tetrachloride	U		0.00128	0.0100	10	06/21/2020 07:01	WG1496261

Received by OCD: 11/22/2022 9:46:04 AM

TEL-2
Collected date/time: 06/16/20 11:25
L1230678

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.00116	0.0100	10	06/21/2020 07:01	WG1496261
Chlorodibromomethane	U		0.00140	0.0100	10	06/21/2020 07:01	WG1496261
Chloroethane	U		0.00192	0.0500	10	06/21/2020 07:01	WG1496261
Chloroform	U		0.00111	0.0500	10	06/21/2020 07:01	WG1496261
Chloromethane	U		0.00960	0.0250	10	06/21/2020 07:01	WG1496261
1,2-Dibromoethane	U		0.00126	0.0100	10	06/21/2020 07:01	WG1496261
1,1-Dichloroethane	U		0.00100	0.0100	10	06/21/2020 07:01	WG1496261
1,2-Dichloroethane	U		0.000819	0.0100	10	06/21/2020 07:01	WG1496261
1,1-Dichloroethene	U		0.00188	0.0100	10	06/21/2020 07:01	WG1496261
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	06/21/2020 07:01	WG1496261
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	06/21/2020 07:01	WG1496261
1,2-Dichloropropane	U		0.00149	0.0100	10	06/21/2020 07:01	WG1496261
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	06/21/2020 07:01	WG1496261
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	06/21/2020 07:01	WG1496261
Ethylbenzene	0.00152	J	0.00137	0.0100	10	06/21/2020 07:01	WG1496261
Isopropylbenzene	0.0178		0.00105	0.0100	10	06/21/2020 07:01	WG1496261
p-Isopropyltoluene	U		0.00120	0.0100	10	06/21/2020 07:01	WG1496261
2-Butanone (MEK)	U		0.0119	0.100	10	06/21/2020 07:01	WG1496261
2-Hexanone	U		0.00787	0.100	10	06/21/2020 07:01	WG1496261
Methylene Chloride	U		0.00430	0.0500	10	06/21/2020 07:01	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	06/21/2020 07:01	WG1496261
Methyl tert-butyl ether	0.00459	J	0.00101	0.0100	10	06/21/2020 07:01	WG1496261
Naphthalene	U		0.0100	0.0500	10	06/21/2020 07:01	WG1496261
n-Propylbenzene	0.0150		0.000993	0.0100	10	06/21/2020 07:01	WG1496261
Styrene	U		0.00118	0.0100	10	06/21/2020 07:01	WG1496261
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	06/21/2020 07:01	WG1496261
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	06/21/2020 07:01	WG1496261
Tetrachloroethene	U		0.00300	0.0100	10	06/21/2020 07:01	WG1496261
Toluene	0.00510	J	0.00278	0.0100	10	06/21/2020 07:01	WG1496261
1,1,1-Trichloroethane	U		0.00149	0.0100	10	06/21/2020 07:01	WG1496261
1,1,2-Trichloroethane	U		0.00158	0.0100	10	06/21/2020 07:01	WG1496261
Trichloroethene	U		0.00190	0.0100	10	06/21/2020 07:01	WG1496261
1,2,4-Trimethylbenzene	0.0402		0.00322	0.0100	10	06/21/2020 07:01	WG1496261
1,3,5-Trimethylbenzene	0.00377	J	0.00104	0.0100	10	06/21/2020 07:01	WG1496261
Vinyl chloride	U		0.00234	0.0100	10	06/21/2020 07:01	WG1496261
o-Xylene	U		0.00174	0.0100	10	06/21/2020 07:01	WG1496261
m&p-Xylene	0.0489		0.00430	0.0200	10	06/21/2020 07:01	WG1496261
Xylenes, Total	0.0489		0.00174	0.0300	10	06/21/2020 07:01	WG1496261
(S) Toluene-d8	*108*			*80.0-120*		*06/21/2020 07:01*	WG1496261
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*06/21/2020 07:01*	WG1496261
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*06/21/2020 07:01*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.16		0.247	1.00	10	06/25/2020 06:27	WG1496547
(S) o-Terphenyl	*98.4*			*31.0-160*		*06/25/2020 06:27*	WG1496547

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

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2140		14.1	50.0	1	06/20/2020 08:52	WG1495937

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.500	1.00	10	06/25/2020 17:23	WG1495502

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	184		7.58	20.0	20	06/24/2020 01:58	WG1497346
Fluoride	1.98		0.0640	0.150	1	06/24/2020 12:28	WG1497346
Sulfate	699		11.9	100	20	06/24/2020 01:58	WG1497346

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0116		0.000735	0.00200	1	06/25/2020 00:55	WG1495379
Arsenic,Dissolved	0.0134		0.000735	0.00200	1	06/25/2020 17:35	WG1495347
Barium	0.0152	J	0.00778	0.0200	1	06/25/2020 00:55	WG1495379
Barium,Dissolved	0.0162	J	0.00778	0.0200	1	06/25/2020 17:35	WG1495347
Calcium	143		0.480	1.00	1	06/25/2020 00:55	WG1495379
Chromium	0.00273		0.00149	0.00200	1	06/25/2020 00:55	WG1495379
Chromium,Dissolved	0.00317		0.00149	0.00200	1	06/25/2020 17:35	WG1495347
Iron	0.120		0.0489	0.100	1	06/25/2020 00:55	WG1495379
Iron,Dissolved	0.113		0.0489	0.100	1	06/25/2020 17:35	WG1495347
Lead	U		0.00249	0.00500	1	06/25/2020 00:55	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 17:35	WG1495347
Manganese	0.0315		0.00132	0.00500	1	06/25/2020 00:55	WG1495379
Manganese,Dissolved	0.0390		0.00132	0.00500	1	06/25/2020 17:35	WG1495347
Potassium	0.565	J	0.534	2.00	1	06/25/2020 00:55	WG1495379
Selenium	U		0.000657	0.00200	1	06/25/2020 00:55	WG1495379
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 17:35	WG1495347
Sodium	435		0.630	2.00	1	06/25/2020 11:51	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.366	J	0.314	1.00	10	06/22/2020 03:11	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*93.5*			*78.0-120*		*06/22/2020 03:11*	WG1496530

Sample Narrative:

L1230678-03 WG1496530: cannot run lower due to foam

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 02:18	WG1496261
Benzene	U		0.0000941	0.00100	1	06/21/2020 02:18	WG1496261
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 02:18	WG1496261
Bromoform	U		0.000129	0.00100	1	06/21/2020 02:18	WG1496261
Bromomethane	U		0.000605	0.00500	1	06/21/2020 02:18	WG1496261
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 02:18	WG1496261

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Collected date/time: 06/16/20 10:25
L1230678

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	0.000692	J	0.000125	0.00100	1	06/21/2020 02:18	WG1496261
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 02:18	WG1496261
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 02:18	WG1496261
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 02:18	WG1496261
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 02:18	WG1496261
Chloroethane	U		0.000192	0.00500	1	06/21/2020 02:18	WG1496261
Chloroform	U		0.000111	0.00500	1	06/21/2020 02:18	WG1496261
Chloromethane	U		0.000960	0.00250	1	06/21/2020 02:18	WG1496261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 02:18	WG1496261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 02:18	WG1496261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 02:18	WG1496261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 02:18	WG1496261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 02:18	WG1496261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 02:18	WG1496261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 02:18	WG1496261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 02:18	WG1496261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 02:18	WG1496261
Ethylbenzene	0.000831	J	0.000137	0.00100	1	06/21/2020 02:18	WG1496261
Isopropylbenzene	0.00123		0.000105	0.00100	1	06/21/2020 02:18	WG1496261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 02:18	WG1496261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 02:18	WG1496261
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 02:18	WG1496261
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 02:18	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 02:18	WG1496261
Methyl tert-butyl ether	0.00230		0.000101	0.00100	1	06/21/2020 02:18	WG1496261
Naphthalene	U		0.00100	0.00500	1	06/21/2020 02:18	WG1496261
n-Propylbenzene	0.000241	J	0.0000993	0.00100	1	06/21/2020 02:18	WG1496261
Styrene	U		0.000118	0.00100	1	06/21/2020 02:18	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 02:18	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 02:18	WG1496261
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 02:18	WG1496261
Toluene	0.000961	J	0.000278	0.00100	1	06/21/2020 02:18	WG1496261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 02:18	WG1496261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 02:18	WG1496261
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 02:18	WG1496261
1,2,4-Trimethylbenzene	0.00114		0.000322	0.00100	1	06/21/2020 02:18	WG1496261
1,3,5-Trimethylbenzene	0.000302	J	0.000104	0.00100	1	06/21/2020 02:18	WG1496261
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 02:18	WG1496261
o-Xylene	0.00155		0.000174	0.00100	1	06/21/2020 02:18	WG1496261
m&p-Xylene	0.00139	J	0.000430	0.00200	1	06/21/2020 02:18	WG1496261
Xylenes, Total	0.00294	J	0.000174	0.00300	1	06/21/2020 02:18	WG1496261
(S) Toluene-d8	*107*			*80.0-120*		*06/21/2020 02:18*	WG1496261
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*06/21/2020 02:18*	WG1496261
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*06/21/2020 02:18*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.74		0.247	1.00	10	06/26/2020 08:53	WG1496547
(S) o-Terphenyl	*107*			*31.0-160*		*06/26/2020 08:53*	WG1496547

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	2350		14.1	50.0	1	06/20/2020 08:52	WG1495937

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		2.50	5.00	50	06/25/2020 17:24	WG1495502

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.0900	0.250	50	06/25/2020 22:19	WG1498827

Sample Narrative:

L1230678-04 WG1498827: Diluted due to Sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	442		1.90	5.00	5	06/24/2020 02:13	WG1497346
Fluoride	1.38		0.320	0.750	5	06/24/2020 02:13	WG1497346
Sulfate	487		5.94	50.0	10	06/24/2020 14:58	WG1497346

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/19/2020 15:00	WG1495276
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 20:50	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.638		0.0254	0.200	1	06/25/2020 12:10	WG1495365
Boron,Dissolved	0.664		0.0254	0.200	1	06/25/2020 12:24	WG1495344

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00514		0.000735	0.00200	1	06/25/2020 00:58	WG1495379
Arsenic,Dissolved	0.00575		0.000735	0.00200	1	06/25/2020 17:38	WG1495347
Barium	0.0552		0.00778	0.0200	1	06/25/2020 00:58	WG1495379
Barium,Dissolved	0.0545		0.00778	0.0200	1	06/25/2020 17:38	WG1495347
Cadmium	U		0.000478	0.00100	1	06/25/2020 00:58	WG1495379
Cadmium,Dissolved	U		0.000478	0.00100	1	06/25/2020 17:38	WG1495347
Calcium	210		0.480	1.00	1	06/25/2020 00:58	WG1495379
Chromium	U		0.00149	0.00200	1	06/25/2020 00:58	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 17:38	WG1495347
Cobalt	U		0.000477	0.00200	1	06/25/2020 00:58	WG1495379
Cobalt,Dissolved	U		0.000477	0.00200	1	06/25/2020 17:38	WG1495347
Iron	U		0.0489	0.100	1	06/25/2020 00:58	WG1495379
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 17:38	WG1495347
Lead	U		0.00249	0.00500	1	06/25/2020 00:58	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 17:38	WG1495347
Manganese	0.147		0.00132	0.00500	1	06/25/2020 00:58	WG1495379

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Received by OCD: 11/22/2022 9:46:04 AM

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Collected date/time: 06/16/20 13:40

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Manganese,Dissolved	0.185		0.00132	0.00500	1	06/25/2020 17:38	WG1495347
Nickel	0.00696		0.000952	0.00200	1	06/25/2020 00:58	WG1495379
Nickel,Dissolved	0.00770		0.000952	0.00200	1	06/26/2020 13:47	WG1495347
Potassium	2.90		0.534	2.00	1	06/25/2020 00:58	WG1495379
Selenium	U		0.000657	0.00200	1	06/25/2020 00:58	WG1495379
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 17:38	WG1495347
Sodium	309		0.630	2.00	1	06/25/2020 11:55	WG1495379
Uranium	U		0.00754	0.0200	1	06/25/2020 00:58	WG1495379
Uranium,Dissolved	U		0.00754	0.0200	1	06/25/2020 17:38	WG1495347
Vanadium	U		0.000986	0.00500	1	06/25/2020 00:58	WG1495379
Vanadium,Dissolved	U		0.000986	0.00500	1	06/25/2020 17:38	WG1495347

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	5.45		0.628	2.00	20	06/22/2020 03:31	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*90.5*			*78.0-120*		*06/22/2020 03:31*	WG1496530

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	06/21/2020 07:22	WG1496261
Benzene	0.600		0.00188	0.0200	20	06/21/2020 07:22	WG1496261
Bromodichloromethane	U		0.00272	0.0200	20	06/21/2020 07:22	WG1496261
Bromoform	U		0.00258	0.0200	20	06/21/2020 07:22	WG1496261
Bromomethane	U		0.0121	0.100	20	06/21/2020 07:22	WG1496261
n-Butylbenzene	0.00395	J	0.00314	0.0200	20	06/21/2020 07:22	WG1496261
sec-Butylbenzene	0.00708	J	0.00250	0.0200	20	06/21/2020 07:22	WG1496261
Carbon disulfide	U		0.00192	0.0200	20	06/21/2020 07:22	WG1496261
Carbon tetrachloride	U		0.00256	0.0200	20	06/21/2020 07:22	WG1496261
Chlorobenzene	U		0.00232	0.0200	20	06/21/2020 07:22	WG1496261
Chlorodibromomethane	U		0.00280	0.0200	20	06/21/2020 07:22	WG1496261
Chloroethane	U		0.00384	0.100	20	06/21/2020 07:22	WG1496261
Chloroform	U		0.00222	0.100	20	06/21/2020 07:22	WG1496261
Chloromethane	U		0.0192	0.0500	20	06/21/2020 07:22	WG1496261
1,2-Dibromoethane	U		0.00252	0.0200	20	06/21/2020 07:22	WG1496261
1,1-Dichloroethane	U		0.00200	0.0200	20	06/21/2020 07:22	WG1496261
1,2-Dichloroethane	U		0.00164	0.0200	20	06/21/2020 07:22	WG1496261
1,1-Dichloroethene	U		0.00376	0.0200	20	06/21/2020 07:22	WG1496261
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	06/21/2020 07:22	WG1496261
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	06/21/2020 07:22	WG1496261
1,2-Dichloropropane	U		0.00298	0.0200	20	06/21/2020 07:22	WG1496261
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	06/21/2020 07:22	WG1496261
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	06/21/2020 07:22	WG1496261
Ethylbenzene	0.0249		0.00274	0.0200	20	06/21/2020 07:22	WG1496261
Isopropylbenzene	0.0470		0.00210	0.0200	20	06/21/2020 07:22	WG1496261
p-Isopropyltoluene	0.00264	J	0.00240	0.0200	20	06/21/2020 07:22	WG1496261
2-Butanone (MEK)	U		0.0238	0.200	20	06/21/2020 07:22	WG1496261
2-Hexanone	U		0.0157	0.200	20	06/21/2020 07:22	WG1496261
Methylene Chloride	U		0.00860	0.100	20	06/21/2020 07:22	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	06/21/2020 07:22	WG1496261
Methyl tert-butyl ether	0.148		0.00202	0.0200	20	06/21/2020 07:22	WG1496261
Naphthalene	0.0241	J	0.0200	0.100	20	06/21/2020 07:22	WG1496261
n-Propylbenzene	0.0462		0.00199	0.0200	20	06/21/2020 07:22	WG1496261
Styrene	U		0.00236	0.0200	20	06/21/2020 07:22	WG1496261

Released to Imaging: 11/22/2022 9:50:00 AM

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	06/21/2020 07:22	WG1496261
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	06/21/2020 07:22	WG1496261
Tetrachloroethene	U		0.00600	0.0200	20	06/21/2020 07:22	WG1496261
Toluene	0.00895	J	0.00556	0.0200	20	06/21/2020 07:22	WG1496261
1,1,1-Trichloroethane	U		0.00298	0.0200	20	06/21/2020 07:22	WG1496261
1,1,2-Trichloroethane	U		0.00316	0.0200	20	06/21/2020 07:22	WG1496261
Trichloroethene	U		0.00380	0.0200	20	06/21/2020 07:22	WG1496261
1,2,4-Trimethylbenzene	0.115		0.00644	0.0200	20	06/21/2020 07:22	WG1496261
1,3,5-Trimethylbenzene	0.0214		0.00208	0.0200	20	06/21/2020 07:22	WG1496261
Vinyl chloride	U		0.00468	0.0200	20	06/21/2020 07:22	WG1496261
o-Xylene	U		0.00348	0.0200	20	06/21/2020 07:22	WG1496261
m&p-Xylene	0.179		0.00860	0.0400	20	06/21/2020 07:22	WG1496261
Xylenes, Total	0.179		0.00348	0.0600	20	06/21/2020 07:22	WG1496261
(S) Toluene-d8	*107*			*80.0-120*		*06/21/2020 07:22*	WG1496261
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/21/2020 07:22*	WG1496261
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*06/21/2020 07:22*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.96		0.0247	0.100	1	06/24/2020 23:57	WG1496547
(S) o-Terphenyl	*104*			*31.0-160*		*06/24/2020 23:57*	WG1496547

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3770		14.1	50.0	1	06/20/2020 08:52	WG1495937

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:14	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	455		37.9	100	100	06/24/2020 02:43	WG1497346
Fluoride	0.841		0.0640	0.150	1	06/24/2020 12:43	WG1497346
Sulfate	1490		59.4	500	100	06/24/2020 02:43	WG1497346

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00618		0.000735	0.00200	1	06/25/2020 01:02	WG1495379
Arsenic,Dissolved	0.00635		0.000735	0.00200	1	06/24/2020 18:45	WG1495348
Barium	0.0178	J	0.00778	0.0200	1	06/25/2020 01:02	WG1495379
Barium,Dissolved	0.0173	J	0.00778	0.0200	1	06/24/2020 18:45	WG1495348
Calcium	308		0.480	1.00	1	06/25/2020 01:02	WG1495379
Chromium	0.125		0.00149	0.00200	1	06/25/2020 01:02	WG1495379
Chromium,Dissolved	0.00568		0.00149	0.00200	1	06/24/2020 18:45	WG1495348
Iron	0.506		0.0489	0.100	1	06/25/2020 01:02	WG1495379
Iron,Dissolved	0.157		0.0489	0.100	1	06/24/2020 18:45	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 01:02	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 18:45	WG1495348
Manganese	1.19		0.00132	0.00500	1	06/25/2020 01:02	WG1495379
Manganese,Dissolved	1.24	V	0.00132	0.00500	1	06/24/2020 18:45	WG1495348
Potassium	U		0.534	2.00	1	06/25/2020 01:02	WG1495379
Selenium	U		0.000657	0.00200	1	06/25/2020 01:02	WG1495379
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 18:45	WG1495348
Sodium	286		0.630	2.00	1	06/25/2020 12:14	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.976	J	0.314	1.00	10	06/22/2020 03:52	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*85.8*			*78.0-120*		*06/22/2020 03:52*	WG1496530

Sample Narrative:

L1230678-05 WG1496530: cannot run lower due to foam

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 02:38	WG1496261
Benzene	0.00759		0.0000941	0.00100	1	06/21/2020 02:38	WG1496261
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 02:38	WG1496261
Bromoform	U		0.000129	0.00100	1	06/21/2020 02:38	WG1496261
Bromomethane	U		0.000605	0.00500	1	06/21/2020 02:38	WG1496261
n-Butylbenzene	0.000859	J	0.000157	0.00100	1	06/21/2020 02:38	WG1496261

Received by OCD: 11/22/2022 9:46:04 AM

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	0.0111		0.000125	0.00100	1	06/21/2020 02:38	WG1496261
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 02:38	WG1496261
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 02:38	WG1496261
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 02:38	WG1496261
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 02:38	WG1496261
Chloroethane	U		0.000192	0.00500	1	06/21/2020 02:38	WG1496261
Chloroform	U		0.000111	0.00500	1	06/21/2020 02:38	WG1496261
Chloromethane	U		0.000960	0.00250	1	06/21/2020 02:38	WG1496261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 02:38	WG1496261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 02:38	WG1496261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 02:38	WG1496261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 02:38	WG1496261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 02:38	WG1496261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 02:38	WG1496261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 02:38	WG1496261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 02:38	WG1496261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 02:38	WG1496261
Ethylbenzene	0.000453	J	0.000137	0.00100	1	06/21/2020 02:38	WG1496261
Isopropylbenzene	0.0168		0.000105	0.00100	1	06/21/2020 02:38	WG1496261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 02:38	WG1496261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 02:38	WG1496261
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 02:38	WG1496261
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 02:38	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 02:38	WG1496261
Methyl tert-butyl ether	0.0438		0.000101	0.00100	1	06/21/2020 02:38	WG1496261
Naphthalene	U		0.00100	0.00500	1	06/21/2020 02:38	WG1496261
n-Propylbenzene	0.00690		0.0000993	0.00100	1	06/21/2020 02:38	WG1496261
Styrene	U		0.000118	0.00100	1	06/21/2020 02:38	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 02:38	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 02:38	WG1496261
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 02:38	WG1496261
Toluene	0.000640	J	0.000278	0.00100	1	06/21/2020 02:38	WG1496261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 02:38	WG1496261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 02:38	WG1496261
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 02:38	WG1496261
1,2,4-Trimethylbenzene	0.000866	J	0.000322	0.00100	1	06/21/2020 02:38	WG1496261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 02:38	WG1496261
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 02:38	WG1496261
o-Xylene	0.000275	J	0.000174	0.00100	1	06/21/2020 02:38	WG1496261
m&p-Xylene	0.00183	J	0.000430	0.00200	1	06/21/2020 02:38	WG1496261
Xylenes, Total	0.00211	J	0.000174	0.00300	1	06/21/2020 02:38	WG1496261
(S) Toluene-d8	*111*			*80.0-120*		*06/21/2020 02:38*	WG1496261
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*06/21/2020 02:38*	WG1496261
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*		*06/21/2020 02:38*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.68		0.0247	0.100	1	06/25/2020 00:22	WG1496547
(S) o-Terphenyl	*78.4*			*31.0-160*		*06/25/2020 00:22*	WG1496547

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	U		2.82	10.0	1	06/20/2020 08:52	WG1495937

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:16	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	06/24/2020 02:58	WG1497346
Fluoride	U		0.0640	0.150	1	06/24/2020 02:58	WG1497346
Sulfate	U		0.594	5.00	1	06/24/2020 02:58	WG1497346

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	06/25/2020 01:12	WG1495379
Arsenic,Dissolved	U		0.000735	0.00200	1	06/24/2020 19:00	WG1495348
Barium	U		0.00778	0.0200	1	06/25/2020 01:12	WG1495379
Barium,Dissolved	U		0.00778	0.0200	1	06/24/2020 19:00	WG1495348
Calcium	U		0.480	1.00	1	06/25/2020 01:12	WG1495379
Chromium	U		0.00149	0.00200	1	06/25/2020 01:12	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 19:00	WG1495348
Iron	U		0.0489	0.100	1	06/25/2020 01:12	WG1495379
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 19:00	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 01:12	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 19:00	WG1495348
Manganese	U		0.00132	0.00500	1	06/25/2020 01:12	WG1495379
Manganese,Dissolved	U		0.00132	0.00500	1	06/24/2020 19:00	WG1495348
Potassium	U		0.534	2.00	1	06/25/2020 01:12	WG1495379
Selenium	U		0.000657	0.00200	1	06/25/2020 01:12	WG1495379
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 19:00	WG1495348
Sodium	U		0.630	2.00	1	06/25/2020 12:18	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 02:30	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*92.8*			*78.0-120*		*06/22/2020 02:30*	WG1496530

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	0.0214	J	0.0113	0.0500	1	06/21/2020 01:37	WG1496261
Benzene	0.000102	J	0.0000941	0.00100	1	06/21/2020 01:37	WG1496261
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 01:37	WG1496261
Bromoform	U		0.000129	0.00100	1	06/21/2020 01:37	WG1496261
Bromomethane	U		0.000605	0.00500	1	06/21/2020 01:37	WG1496261
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 01:37	WG1496261
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 01:37	WG1496261
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 01:37	WG1496261
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 01:37	WG1496261

Received by OCD: 11/22/2022 9:46:04 AM

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Collected date/time: 06/16/20 11:40
L1230678

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 01:37	WG1496261
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 01:37	WG1496261
Chloroethane	U		0.000192	0.00500	1	06/21/2020 01:37	WG1496261
Chloroform	U		0.000111	0.00500	1	06/21/2020 01:37	WG1496261
Chloromethane	U		0.000960	0.00250	1	06/21/2020 01:37	WG1496261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 01:37	WG1496261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 01:37	WG1496261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 01:37	WG1496261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 01:37	WG1496261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 01:37	WG1496261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 01:37	WG1496261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 01:37	WG1496261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 01:37	WG1496261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 01:37	WG1496261
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 01:37	WG1496261
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 01:37	WG1496261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 01:37	WG1496261
2-Butanone (MEK)	0.00554	J	0.00119	0.0100	1	06/21/2020 01:37	WG1496261
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 01:37	WG1496261
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 01:37	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 01:37	WG1496261
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 01:37	WG1496261
Naphthalene	U		0.00100	0.00500	1	06/21/2020 01:37	WG1496261
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 01:37	WG1496261
Styrene	U		0.000118	0.00100	1	06/21/2020 01:37	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 01:37	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 01:37	WG1496261
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 01:37	WG1496261
Toluene	U		0.000278	0.00100	1	06/21/2020 01:37	WG1496261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 01:37	WG1496261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 01:37	WG1496261
Trichloroethene	0.000337	J	0.000190	0.00100	1	06/21/2020 01:37	WG1496261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 01:37	WG1496261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 01:37	WG1496261
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 01:37	WG1496261
o-Xylene	U		0.000174	0.00100	1	06/21/2020 01:37	WG1496261
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 01:37	WG1496261
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 01:37	WG1496261
(S) Toluene-d8	*106*			*80.0-120*		*06/21/2020 01:37*	WG1496261
(S) 4-Bromofluorobenzene	*97.1*			*77.0-126*		*06/21/2020 01:37*	WG1496261
(S) 1,2-Dichloroethane-d4	*90.9*			*70.0-130*		*06/21/2020 01:37*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0988	J	0.0247	0.100	1	06/25/2020 15:58	WG1496547
(S) o-Terphenyl	*92.6*			*31.0-160*		*06/25/2020 15:58*	WG1496547

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

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Collected date/time: 06/16/20 00:00

SAMPLE RESULTS - 07

L1230678

ONE LAB. NATIONWIDE.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 01:58	WG1496261
Benzene	U		0.0000941	0.00100	1	06/21/2020 01:58	WG1496261
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 01:58	WG1496261
Bromoform	U		0.000129	0.00100	1	06/21/2020 01:58	WG1496261
Bromomethane	U		0.000605	0.00500	1	06/21/2020 01:58	WG1496261
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 01:58	WG1496261
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 01:58	WG1496261
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 01:58	WG1496261
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 01:58	WG1496261
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 01:58	WG1496261
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 01:58	WG1496261
Chloroethane	U		0.000192	0.00500	1	06/21/2020 01:58	WG1496261
Chloroform	U		0.000111	0.00500	1	06/21/2020 01:58	WG1496261
Chloromethane	U		0.000960	0.00250	1	06/21/2020 01:58	WG1496261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 01:58	WG1496261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 01:58	WG1496261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 01:58	WG1496261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 01:58	WG1496261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 01:58	WG1496261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 01:58	WG1496261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 01:58	WG1496261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 01:58	WG1496261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 01:58	WG1496261
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 01:58	WG1496261
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 01:58	WG1496261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 01:58	WG1496261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 01:58	WG1496261
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 01:58	WG1496261
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 01:58	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 01:58	WG1496261
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 01:58	WG1496261
Naphthalene	U		0.00100	0.00500	1	06/21/2020 01:58	WG1496261
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 01:58	WG1496261
Styrene	U		0.000118	0.00100	1	06/21/2020 01:58	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 01:58	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 01:58	WG1496261
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 01:58	WG1496261
Toluene	U		0.000278	0.00100	1	06/21/2020 01:58	WG1496261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 01:58	WG1496261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 01:58	WG1496261
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 01:58	WG1496261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 01:58	WG1496261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 01:58	WG1496261
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 01:58	WG1496261
o-Xylene	U		0.000174	0.00100	1	06/21/2020 01:58	WG1496261
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 01:58	WG1496261
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 01:58	WG1496261
(S) Toluene-d8	*109*			*80.0-120*		*06/21/2020 01:58*	WG1496261
(S) 4-Bromofluorobenzene	*99.7*			*77.0-126*		*06/21/2020 01:58*	WG1496261
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*06/21/2020 01:58*	WG1496261

Cp Tc Ss Cn Sr Qc Gl Al Sc

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3541558-1 06/20/20 08:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1230678-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1230678-05 06/20/20 08:52 • (DUP) R3541558-3 06/20/20 08:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3770	3810	1	1.19		5

L1231045-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1231045-03 06/20/20 08:52 • (DUP) R3541558-4 06/20/20 08:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1110	1140	1	2.32		5

Laboratory Control Sample (LCS)

(LCS) R3541558-2 06/20/20 08:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8730	99.2	85.0-115	

Method Blank (MB)

(MB) R3543078-1 06/25/20 16:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1230655-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1230655-03 06/25/20 17:15 • (DUP) R3543078-7 06/25/20 17:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3543078-2 06/25/20 16:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	3.97	99.3	90.0-110	

L1230655-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230655-02 06/25/20 17:09 • (MS) R3543078-6 06/25/20 17:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	0.0643	2.82	110	1	90.0-110	

Method Blank (MB)

(MB) R3542599-1 06/24/20 19:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1230678-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1230678-05 06/24/20 19:14 • (DUP) R3542599-3 06/24/20 19:15

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

L1230681-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1230681-18 06/24/20 19:50 • (DUP) R3542599-7 06/24/20 19:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.0594	0.0682	1	13.8	J	20

Laboratory Control Sample (LCS)

(LCS) R3542599-2 06/24/20 19:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	3.97	99.3	90.0-110	

L1230681-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230681-08 06/24/20 19:30 • (MS) R3542599-4 06/24/20 19:31 • (MSD) R3542599-5 06/24/20 19:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	U	2.26	2.27	90.4	90.8	1	90.0-110			0.442	20

L1230681-14 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230681-14 06/24/20 19:44 • (MS) R3542599-6 06/24/20 19:45

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	U	2.47	98.8	1	90.0-110	

Method Blank (MB)

(MB) R3543143-1 06/25/20 22:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1230655-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1230655-02 06/25/20 22:17 • (DUP) R3543143-3 06/25/20 22:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1230685-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-24 06/25/20 22:34 • (DUP) R3543143-6 06/25/20 22:37

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3543143-2 06/25/20 22:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.103	103	90.0-110	

L1230685-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-02 06/25/20 22:25 • (MS) R3543143-4 06/25/20 22:26 • (MSD) R3543143-5 06/25/20 22:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0841	0.0852	84.1	85.2	1	75.0-125			1.30	20

L1230685-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-25 06/25/20 22:38 • (MS) R3543143-7 06/25/20 22:39 • (MSD) R3543143-8 06/25/20 22:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0877	0.0944	87.7	94.4	1	75.0-125			7.36	20

Method Blank (MB)

(MB) R3542446-1 06/23/20 19:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1230674-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230674-01 06/23/20 23:14 • (DUP) R3542446-3 06/23/20 23:29

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	61.0	61.0	1	0.127		15
Fluoride	0.105	0.102	1	2.42	J	15

L1230678-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1230678-06 06/24/20 02:58 • (DUP) R3542446-6 06/24/20 03:13

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

L1230674-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230674-01 06/24/20 10:43 • (DUP) R3542446-8 06/24/20 11:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	156	154	5	1.33		15

Laboratory Control Sample (LCS)

(LCS) R3542446-2 06/23/20 19:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.0	97.6	80.0-120	
Fluoride	8.00	7.96	99.5	80.0-120	
Sulfate	40.0	39.7	99.3	80.0-120	

L1230674-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230674-02 06/23/20 23:44 • (MS) R3542446-4 06/23/20 23:59 • (MSD) R3542446-5 06/24/20 00:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	63.8	112	112	95.7	96.0	1	80.0-120	E	E	0.142	15
Fluoride	5.00	0.123	5.09	5.12	99.3	99.9	1	80.0-120			0.537	15
Sulfate	50.0	159	198	199	78.5	79.2	1	80.0-120	E J6	E J6	0.178	15

L1230681-21 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230681-21 06/24/20 03:28 • (MS) R3542446-7 06/24/20 03:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	U	50.0	99.9	1	80.0-120	
Fluoride	5.00	U	4.99	99.9	1	80.0-120	
Sulfate	50.0	U	50.4	101	1	80.0-120	

Method Blank (MB)

(MB) R3540648-1 06/19/20 13:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3540648-2 06/19/20 13:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00292	97.4	80.0-120	

L1230665-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230665-07 06/19/20 13:26 • (MS) R3540648-3 06/19/20 13:34 • (MSD) R3540648-4 06/19/20 13:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00305	0.00308	102	103	1	75.0-125			0.983	20

Method Blank (MB)

(MB) R3541143-1 06/21/20 20:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3541143-2 06/21/20 20:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00335	112	80.0-120	

L1230687-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230687-05 06/21/20 20:38 • (MS) R3541143-3 06/21/20 20:40 • (MSD) R3541143-4 06/21/20 20:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00246	0.00247	82.0	82.2	1	75.0-125			0.166	20

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3542922-1 06/25/20 11:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3542922-2 06/25/20 11:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	1.02	102	80.0-120	

L1230685-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-22 06/25/20 11:51 • (MS) R3542922-4 06/25/20 11:57 • (MSD) R3542922-5 06/25/20 12:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.184	1.21	1.22	103	103	1	75.0-125			0.380	20

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

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3542944-1 06/25/20 10:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3542944-2 06/25/20 11:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.955	95.5	80.0-120	

L1230669-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230669-05 06/25/20 11:04 • (MS) R3542944-4 06/25/20 11:09 • (MSD) R3542944-5 06/25/20 11:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.0282	1.01	1.00	97.9	97.3	1	75.0-125			0.622	20

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

Method Blank (MB)

(MB) R3543085-1 06/25/20 15:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Cadmium,Dissolved	U		0.000478	0.00100
Chromium,Dissolved	U		0.00149	0.00200
Cobalt,Dissolved	U		0.000477	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Selenium,Dissolved	U		0.000657	0.00200
Uranium,Dissolved	U		0.00754	0.0200
Vanadium,Dissolved	U		0.000986	0.00500

Method Blank (MB)

(MB) R3543423-1 06/26/20 12:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nickel,Dissolved	U		0.000952	0.00200

Laboratory Control Sample (LCS)

(LCS) R3543085-2 06/25/20 15:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0528	106	80.0-120	
Barium,Dissolved	0.0500	0.0494	98.9	80.0-120	
Cadmium,Dissolved	0.0500	0.0524	105	80.0-120	
Chromium,Dissolved	0.0500	0.0540	108	80.0-120	
Cobalt,Dissolved	0.0500	0.0536	107	80.0-120	
Iron,Dissolved	5.00	5.27	105	80.0-120	
Lead,Dissolved	0.0500	0.0466	93.1	80.0-120	
Manganese,Dissolved	0.0500	0.0520	104	80.0-120	
Selenium,Dissolved	0.0500	0.0513	103	80.0-120	
Uranium,Dissolved	0.0500	0.0454	90.9	80.0-120	
Vanadium,Dissolved	0.0500	0.0535	107	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3543423-2 06/26/20 12:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nickel,Dissolved	0.0500	0.0539	108	80.0-120	

L1230651-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230651-02 06/25/20 15:38 • (MS) R3543085-4 06/25/20 15:45 • (MSD) R3543085-5 06/25/20 15:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00381	0.0566	0.0569	106	106	1	75.0-125			0.468	20
Barium,Dissolved	0.0500	0.167	0.219	0.215	105	96.1	1	75.0-125			2.02	20
Cadmium,Dissolved	0.0500	U	0.0527	0.0537	105	107	1	75.0-125			1.96	20
Chromium,Dissolved	0.0500	U	0.0545	0.0541	109	108	1	75.0-125			0.715	20
Cobalt,Dissolved	0.0500	U	0.0531	0.0545	106	109	1	75.0-125			2.57	20
Iron,Dissolved	5.00	42.2	46.2	47.6	78.6	107	1	75.0-125			3.06	20
Lead,Dissolved	0.0500	U	0.0477	0.0470	95.4	94.0	1	75.0-125			1.50	20
Manganese,Dissolved	0.0500	4.48	4.41	4.50	0.000	40.3	1	75.0-125	V	V	2.09	20
Selenium,Dissolved	0.0500	U	0.0506	0.0523	101	105	1	75.0-125			3.32	20
Uranium,Dissolved	0.0500	U	0.0479	0.0465	95.7	93.1	1	75.0-125			2.81	20
Vanadium,Dissolved	0.0500	0.00124	0.0539	0.0555	105	109	1	75.0-125			2.99	20

L1230651-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230651-02 06/26/20 12:14 • (MS) R3543423-4 06/26/20 12:20 • (MSD) R3543423-5 06/26/20 12:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nickel,Dissolved	0.0500	U	0.0546	0.0507	109	101	1	75.0-125			7.29	20

Method Blank (MB)

(MB) R3542586-1 06/24/20 18:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Chromium,Dissolved	U		0.00149	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Selenium,Dissolved	U		0.000657	0.00200

Laboratory Control Sample (LCS)

(LCS) R3542586-2 06/24/20 18:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0512	102	80.0-120	
Barium,Dissolved	0.0500	0.0487	97.3	80.0-120	
Chromium,Dissolved	0.0500	0.0521	104	80.0-120	
Iron,Dissolved	5.00	5.22	104	80.0-120	
Lead,Dissolved	0.0500	0.0488	97.6	80.0-120	
Manganese,Dissolved	0.0500	0.0518	104	80.0-120	
Selenium,Dissolved	0.0500	0.0500	100	80.0-120	

L1230678-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230678-05 06/24/20 18:45 • (MS) R3542586-4 06/24/20 18:53 • (MSD) R3542586-5 06/24/20 18:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00635	0.0536	0.0540	94.6	95.3	1	75.0-125			0.720	20
Barium,Dissolved	0.0500	0.0173	0.0642	0.0689	93.9	103	1	75.0-125			6.96	20
Chromium,Dissolved	0.0500	0.00568	0.0533	0.0531	95.2	94.9	1	75.0-125			0.278	20
Iron,Dissolved	5.00	0.157	4.90	4.95	95.0	95.9	1	75.0-125			1.00	20
Lead,Dissolved	0.0500	U	0.0496	0.0493	99.2	98.6	1	75.0-125			0.547	20
Manganese,Dissolved	0.0500	1.24	1.27	1.28	71.9	86.2	1	75.0-125	V		0.558	20
Selenium,Dissolved	0.0500	U	0.0540	0.0514	108	103	1	75.0-125			4.97	20

Method Blank (MB)

(MB) R3542682-1 06/25/20 00:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

Method Blank (MB)

(MB) R3542883-1 06/25/20 11:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Sodium	U		0.630	2.00

Laboratory Control Sample (LCS)

(LCS) R3542682-2 06/25/20 00:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0466	93.1	80.0-120	
Barium	0.0500	0.0470	94.0	80.0-120	
Cadmium	0.0500	0.0497	99.5	80.0-120	
Calcium	5.00	4.70	94.0	80.0-120	
Chromium	0.0500	0.0483	96.5	80.0-120	
Cobalt	0.0500	0.0493	98.6	80.0-120	
Iron	5.00	4.85	97.0	80.0-120	
Lead	0.0500	0.0493	98.6	80.0-120	
Manganese	0.0500	0.0462	92.4	80.0-120	
Nickel	0.0500	0.0490	98.0	80.0-120	
Potassium	5.00	4.61	92.2	80.0-120	
Selenium	0.0500	0.0473	94.6	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3542682-2 06/25/20 00:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Uranium	0.0500	0.0471	94.1	80.0-120	
Vanadium	0.0500	0.0460	92.1	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3542883-2 06/25/20 11:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sodium	5.00	4.97	99.3	80.0-120	

L1230678-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230678-01 06/25/20 00:38 • (MS) R3542682-4 06/25/20 00:45 • (MSD) R3542682-5 06/25/20 00:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00632	0.0526	0.0511	92.5	89.6	1	75.0-125			2.80	20
Barium	0.0500	0.0169	0.0628	0.0625	91.8	91.2	1	75.0-125			0.475	20
Cadmium	0.0500	U	0.0505	0.0498	101	99.6	1	75.0-125			1.28	20
Calcium	5.00	305	305	305	2.46	6.31	1	75.0-125	V	V	0.0632	20
Chromium	0.0500	0.103	0.147	0.146	87.9	86.3	1	75.0-125			0.537	20
Cobalt	0.0500	0.00217	0.0481	0.0466	91.9	88.9	1	75.0-125			3.19	20
Potassium	5.00	U	4.80	4.76	96.0	95.2	1	75.0-125			0.874	20
Iron	5.00	0.455	5.16	5.08	94.1	92.4	1	75.0-125			1.62	20
Lead	0.0500	U	0.0465	0.0489	93.1	97.8	1	75.0-125			4.91	20
Manganese	0.0500	1.17	1.21	1.19	77.2	40.4	1	75.0-125		V	1.54	20
Nickel	0.0500	0.127	0.157	0.156	59.9	57.6	1	75.0-125	J6	J6	0.736	20
Selenium	0.0500	0.000712	0.0505	0.0507	99.5	100	1	75.0-125			0.585	20
Uranium	0.0500	U	0.0491	0.0499	98.3	99.8	1	75.0-125			1.54	20
Vanadium	0.0500	U	0.0469	0.0455	93.7	91.1	1	75.0-125			2.91	20

L1230678-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230678-01 06/25/20 11:29 • (MS) R3542883-5 06/25/20 11:40 • (MSD) R3542883-6 06/25/20 11:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sodium	5.00	284	286	289	47.6	98.4	1	75.0-125	V		0.883	20

Method Blank (MB)

(MB) R3542889-2 06/20/20 23:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*92.6*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3542889-1 06/20/20 22:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.66	103	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*107*	*78.0-120*	

L1230678-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230678-01 06/21/20 06:15 • (MS) R3542889-3 06/21/20 06:35 • (MSD) R3542889-4 06/21/20 09:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	27.5	0.456	27.8	27.2	99.4	97.3	5	10.0-160			2.18	22
(S) a,a,a-Trifluorotoluene(FID)					*107*	*106*		*78.0-120*				

Method Blank (MB)

(MB) R3542864-3 06/22/20 01:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*93.2*			*78.0-120*

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

(LCS) R3542864-1 06/22/20 00:03 • (LCSD) R3542864-2 06/22/20 00:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	4.44	5.23	80.7	95.1	72.0-127			16.3	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*107*	*78.0-120*				

Method Blank (MB)

(MB) R3541999-2 06/21/20 00:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Method Blank (MB)

(MB) R3541999-2 06/21/20 00:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3541999-1 06/20/20 23:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0247	98.8	19.0-160	
Benzene	0.00500	0.00449	89.8	70.0-123	
Bromodichloromethane	0.00500	0.00455	91.0	75.0-120	
Bromoform	0.00500	0.00500	100	68.0-132	
Bromomethane	0.00500	0.00545	109	10.0-160	
n-Butylbenzene	0.00500	0.00381	76.2	73.0-125	
sec-Butylbenzene	0.00500	0.00423	84.6	75.0-125	
Carbon disulfide	0.00500	0.00407	81.4	61.0-128	
Carbon tetrachloride	0.00500	0.00465	93.0	68.0-126	
Chlorobenzene	0.00500	0.00522	104	80.0-121	
Chlorodibromomethane	0.00500	0.00527	105	77.0-125	
Chloroethane	0.00500	0.00480	96.0	47.0-150	
Chloroform	0.00500	0.00435	87.0	73.0-120	
Chloromethane	0.00500	0.00427	85.4	41.0-142	
1,2-Dibromoethane	0.00500	0.00538	108	80.0-122	
1,1-Dichloroethane	0.00500	0.00468	93.6	70.0-126	
1,2-Dichloroethane	0.00500	0.00485	97.0	70.0-128	
1,1-Dichloroethene	0.00500	0.00477	95.4	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00487	97.4	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00475	95.0	73.0-120	
1,2-Dichloropropane	0.00500	0.00448	89.6	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00422	84.4	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00423	84.6	78.0-124	

Laboratory Control Sample (LCS)

(LCS) R3541999-1 06/20/20 23:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00497	99.4	79.0-123	
2-Hexanone	0.0250	0.0231	92.4	67.0-149	
Isopropylbenzene	0.00500	0.00460	92.0	76.0-127	
p-Isopropyltoluene	0.00500	0.00429	85.8	76.0-125	
2-Butanone (MEK)	0.0250	0.0251	100	44.0-160	
Methylene Chloride	0.00500	0.00477	95.4	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0252	101	68.0-142	
Methyl tert-butyl ether	0.00500	0.00353	70.6	68.0-125	
Naphthalene	0.00500	0.00450	90.0	54.0-135	
n-Propylbenzene	0.00500	0.00408	81.6	77.0-124	
Styrene	0.00500	0.00451	90.2	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00530	106	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00414	82.8	65.0-130	
Tetrachloroethene	0.00500	0.00547	109	72.0-132	
Toluene	0.00500	0.00457	91.4	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00467	93.4	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00521	104	80.0-120	
Trichloroethene	0.00500	0.00549	110	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00401	80.2	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00407	81.4	76.0-122	
Vinyl chloride	0.00500	0.00453	90.6	67.0-131	
Xylenes, Total	0.0150	0.0148	98.7	79.0-123	
o-Xylene	0.00500	0.00470	94.0	80.0-122	
m&p-Xylenes	0.0100	0.0101	101	80.0-122	
(S) Toluene-d8			*106*	*80.0-120*	
(S) 4-Bromofluorobenzene			*102*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*94.3*	*70.0-130*	

Method Blank (MB)

(MB) R3542707-1 06/24/20 20:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*85.5*			*31.0-160*

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

(LCS) R3542707-2 06/24/20 20:30 • (LCSD) R3542707-3 06/24/20 20:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.51	1.55	101	103	50.0-150			2.61	20
(S) o-Terphenyl				*100*	*103*	*31.0-160*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* 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 National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
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	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

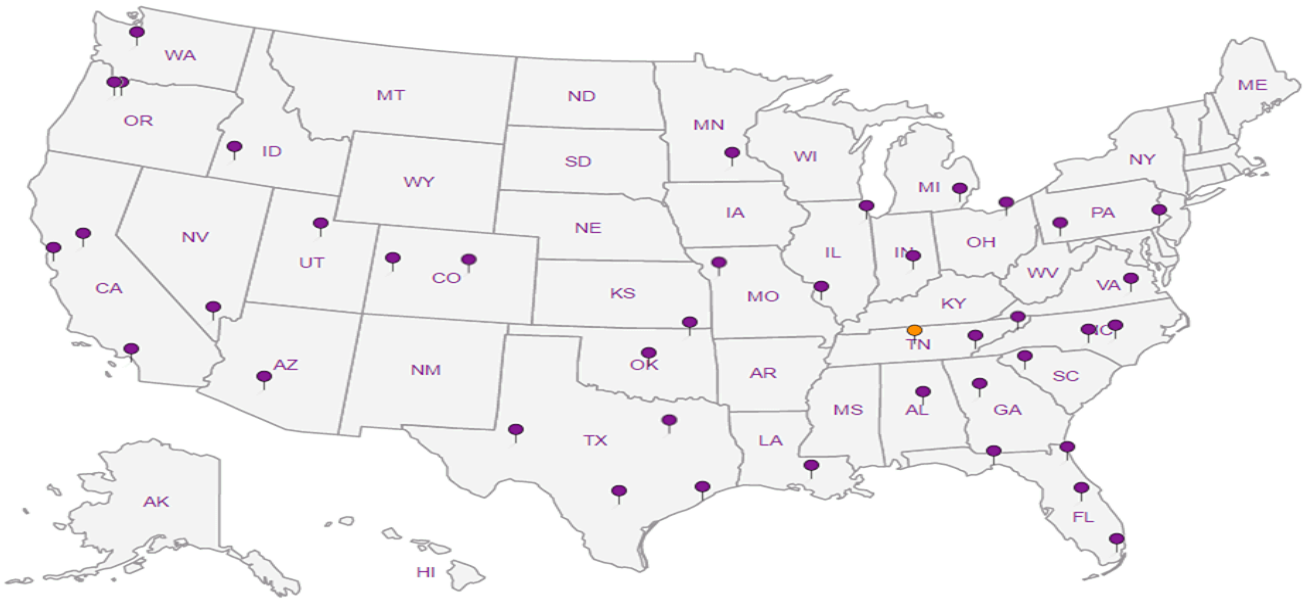
Third Party Federal Accreditations

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Received by OCD: 11/22/2022 9:46:04 AM

DAY 1

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **TEL Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-TEL**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **TEL (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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 1

Pace Analytical* National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123867
1068

Acctnum: TRCATX
Template: T118731
Prelogin: P763442
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
TEL-4	Grab	GW		6/16/20	1255	10	X	X	X	X	X	X						01
TEL-3	Grab	GW				10	X	X	X	X	X	X						
TEL-2	Grab	GW		6/16/20	1125	10	X	X	X	X	X	X						02
TEL-1	Grab	GW				10	X	X	X	X	X	X						03
MW-49	Grab	GW		6/16/20	1340	11	X	X	X		X	X	X	X				04
DUP-TEL-01	Grab	GW		6/16/20	1200	10	X	X	X	X	X	X						05
EB-TEL-01	Grab	GW		6/16/20	1140	10	X	X	X	X	X	X						06
Trip Blank-TEL-01	Grab	GW		6/16/20	—	1	X											07

40 per containers

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	6/17/20	0800	
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

Temp: 1.0-.2=.8 °C Bottles Received: 6 1 + 1TB

If preservation required by Login: Date/Time
HCL

Date: 6/18/20 Time: 0845

Hold:

Condition: NC / OK

Released to Imaging: 11/22/2022 9:50:00 AM

Released to Imaging: 11/22/2022 9:50:00 AM
Received by OCD: 11/22/2022 9:46:04 AM

Tracking #	Corresponding Temp.
4492 6229 7130	1.0 - .2 = 0.8 MP A3
↓ 6230 6815	3.2 ± 0 = 3.2 HM A2
1203 5785 6018	1.8 ± 0 = 1.8 HM A2
1203 5786 0856	1.1 ± 0 = 1.1 HM A2
4492 6230 1310	0.9 ± 0 = 0.9
16635756 9559	1.1 ± 0 = 1.1
4492 6230 6859	0.4 ± 0 = 0.4
8098 2926 7587	1.7 ± 0 = 1.7
↓ ↓ 8790	1.1 ± 0 = 1.1
1203 5785 6030	1.3 ± 0 = 1.3
4492 6230 1331	0.4 ± 0 = 0.4
↓ ↓ 1309	2.3 ± 0 = 2.3
1663 5756 9560	3.0 ± 0 = 3.0
↓ ↓ 9570	0.6 ± 0 = 0.6
4492 6230 1310	0.7 ± 0 = 0.7

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Released to Imaging: 11/22/2022 9:50:00 AM
Received by OCD: 11/22/2022 9:46:04 AM

Matt Shacklock

Pace Analytical®
National Center for Testing & Innovation

Login #:1230678	Client:TRCATX	Date:6/18/20	Evaluated by:Katie

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time	x	Login Clarification Needed		**If Broken Container:**
	Temperature not in range		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	pH not in range.		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Couri
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments: On the chain TEL-1 doesn't have a date and time. Logged sample with time and date from bottle

Client informed by:		Call	x	Email		Voice Mail		Date: 6/17/20	Time: 22:58
TSR Initials: CM	Client Contact: Scott Ude								

Login Instructions:

See attached image for date/times for TEL-1.

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Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

July 06, 2020

TRC Solutions - Austin, TX

Sample Delivery Group:	L1230681
Samples Received:	06/18/2020
Project Number:	330538.0000.0000
Description:	EP Spring 2020
Site:	EP NAVAJO-ARTESIA
Report To:	Julie Speer 505 E. Huntland Dr, Ste 250 Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

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



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MW-6A L1230681-01 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 10:55 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496361	1	06/23/20 18:40	06/23/20 21:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:18	06/24/20 19:18	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/24/20 16:28	06/24/20 16:28	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/24/20 16:43	06/24/20 16:43	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 19:04	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 01:16	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 12:21	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 04:13	06/22/20 04:13	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	5	06/21/20 07:42	06/21/20 07:42	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	10	06/22/20 00:16	06/25/20 06:53	CAG	Mt. Juliet, TN

MW-120 L1230681-02 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 11:45 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496361	1	06/23/20 18:40	06/23/20 21:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:19	06/24/20 19:19	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/24/20 16:58	06/24/20 16:58	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/24/20 17:13	06/24/20 17:13	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 19:22	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 01:19	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 12:25	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 04:33	06/22/20 04:33	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	5	06/21/20 08:02	06/21/20 08:02	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/25/20 02:34	CAG	Mt. Juliet, TN

MW-121 L1230681-03 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 12:30 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496361	1	06/23/20 18:40	06/23/20 21:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:20	06/24/20 19:20	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/24/20 17:28	06/24/20 17:28	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/24/20 17:43	06/24/20 17:43	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 19:26	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 01:22	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 12:28	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 04:54	06/22/20 04:54	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	1	06/21/20 02:59	06/21/20 02:59	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/25/20 03:00	CAG	Mt. Juliet, TN

MW-74 L1230681-04 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 13:15 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496361	1	06/23/20 18:40	06/23/20 21:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	20	06/24/20 19:21	06/24/20 19:21	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/25/20 03:56	06/25/20 03:56	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/25/20 04:11	06/25/20 04:11	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 19:29	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 01:26	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	5	06/24/20 12:59	06/25/20 12:32	LAT	Mt. Juliet, TN

MW-74 L1230681-04 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 13:15 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 05:14	06/22/20 05:14	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	1	06/21/20 03:19	06/21/20 03:19	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	5	06/22/20 00:16	06/25/20 17:15	TJD	Mt. Juliet, TN

MW-73 L1230681-05 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 14:20 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496361	1	06/23/20 18:40	06/23/20 21:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:26	06/24/20 19:26	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/25/20 04:26	06/25/20 04:26	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/25/20 04:41	06/25/20 04:41	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 19:33	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 01:29	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	5	06/24/20 12:59	06/25/20 12:36	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 05:35	06/22/20 05:35	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	1	06/21/20 03:39	06/21/20 03:39	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/25/20 03:26	CAG	Mt. Juliet, TN

MW-72 L1230681-06 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 16:50 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496361	1	06/23/20 18:40	06/23/20 21:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:28	06/24/20 19:28	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/24/20 19:28	06/24/20 19:28	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/24/20 19:43	06/24/20 19:43	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 19:37	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 01:33	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	5	06/24/20 12:59	06/25/20 12:39	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 05:55	06/22/20 05:55	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	1	06/21/20 03:59	06/21/20 03:59	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/25/20 16:24	TJD	Mt. Juliet, TN

OCD-6 L1230681-07 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 16:05 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496361	1	06/23/20 18:40	06/23/20 21:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:29	06/24/20 19:29	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/24/20 19:58	06/24/20 19:58	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/24/20 20:13	06/24/20 20:13	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 19:40	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 01:36	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	5	06/24/20 12:59	06/25/20 12:43	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 06:16	06/22/20 06:16	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	1	06/21/20 04:19	06/21/20 04:19	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/25/20 04:18	CAG	Mt. Juliet, TN

OCD-7AR L1230681-08 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 15:10 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496361	1	06/23/20 18:40	06/23/20 21:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:30	06/24/20 19:30	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/24/20 20:28	06/24/20 20:28	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/24/20 20:43	06/24/20 20:43	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 19:44	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 01:40	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	5	06/24/20 12:59	06/25/20 13:02	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 06:36	06/22/20 06:36	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	1	06/21/20 04:39	06/21/20 04:39	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/25/20 04:44	CAG	Mt. Juliet, TN

MW-88 L1230681-09 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 17:25 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496361	1	06/23/20 18:40	06/23/20 21:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:34	06/24/20 19:34	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/24/20 20:58	06/24/20 20:58	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/24/20 21:13	06/24/20 21:13	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 19:48	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 01:43	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 13:05	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 06:57	06/22/20 06:57	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	1	06/21/20 05:00	06/21/20 05:00	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496547	1	06/22/20 00:16	06/25/20 16:50	TJD	Mt. Juliet, TN

MW-4A L1230681-10 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 15:55 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496361	1	06/23/20 18:40	06/23/20 21:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:35	06/24/20 19:35	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/24/20 21:58	06/24/20 21:58	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/24/20 22:12	06/24/20 22:12	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 19:51	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 01:53	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 13:10	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 07:17	06/22/20 07:17	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	1	06/21/20 05:20	06/21/20 05:20	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 09:08	CAG	Mt. Juliet, TN

MW-5A L1230681-11 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 14:50 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496361	1	06/23/20 18:40	06/23/20 21:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:36	06/24/20 19:36	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/24/20 22:27	06/24/20 22:27	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/24/20 22:42	06/24/20 22:42	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 19:55	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 00:10	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	5	06/24/20 12:59	06/25/20 13:13	LAT	Mt. Juliet, TN

MW-5A L1230681-11 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 14:50 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 07:38	06/22/20 07:38	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	1	06/21/20 05:40	06/21/20 05:40	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 00:58	CAG	Mt. Juliet, TN

MW-7A L1230681-12 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 13:45 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496361	1	06/23/20 18:40	06/23/20 21:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:38	06/24/20 19:38	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/24/20 22:57	06/24/20 22:57	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/24/20 23:12	06/24/20 23:12	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 20:08	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 00:14	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	5	06/24/20 12:59	06/25/20 13:17	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 07:58	06/22/20 07:58	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	1	06/21/20 06:00	06/21/20 06:00	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 01:23	CAG	Mt. Juliet, TN

OCD-8A L1230681-13 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 12:50 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496361	1	06/23/20 18:40	06/23/20 21:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:43	06/24/20 19:43	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	1	06/25/20 15:00	06/25/20 22:20	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/24/20 23:42	06/24/20 23:42	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	5	06/24/20 23:27	06/24/20 23:27	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 20:52	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1495458	1	06/22/20 11:25	06/22/20 19:03	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495344	1	06/25/20 09:02	06/25/20 12:28	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495365	1	06/25/20 07:36	06/25/20 12:13	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 20:11	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 00:17	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	5	06/24/20 12:59	06/25/20 13:21	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 08:19	06/22/20 08:19	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496261	1	06/21/20 06:21	06/21/20 06:21	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 01:49	CAG	Mt. Juliet, TN

MW-87 L1230681-14 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 15:45 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496361	1	06/23/20 18:40	06/23/20 21:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:44	06/24/20 19:44	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/24/20 23:57	06/24/20 23:57	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/25/20 00:12	06/25/20 00:12	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 20:15	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	1	06/24/20 12:59	06/25/20 00:20	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495379	5	06/24/20 12:59	06/25/20 13:24	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 08:39	06/22/20 08:39	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 19:18	06/21/20 19:18	JCP	Mt. Juliet, TN

MW-87 L1230681-14 GW

Collected by: Scott Ude/HMI Team
Collected date/time: 06/16/20 15:45
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 02:15	CAG	Mt. Juliet, TN

MW-18A L1230681-15 GW

Collected by: Scott Ude/HMI Team
Collected date/time: 06/16/20 16:30
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496361	1	06/23/20 18:40	06/23/20 21:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:47	06/24/20 19:47	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	1	06/25/20 15:00	06/25/20 22:21	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/25/20 01:12	06/25/20 01:12	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	5	06/25/20 00:57	06/25/20 00:57	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 20:54	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1495458	1	06/22/20 11:25	06/22/20 19:05	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495344	1	06/25/20 09:02	06/25/20 12:31	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495366	1	06/25/20 06:36	06/25/20 10:01	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 20:19	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	5	06/24/20 12:00	06/25/20 13:17	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 19:39	06/21/20 19:39	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 02:41	CAG	Mt. Juliet, TN

MW-70 L1230681-16 GW

Collected by: Scott Ude/HMI Team
Collected date/time: 06/16/20 18:00
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496362	1	06/23/20 18:41	06/23/20 22:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:48	06/24/20 19:48	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/25/20 01:27	06/25/20 01:27	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/25/20 01:42	06/25/20 01:42	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 20:22	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 13:31	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496530	1	06/22/20 09:00	06/22/20 09:00	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 20:00	06/21/20 20:00	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 03:07	CAG	Mt. Juliet, TN

MW-124 L1230681-17 GW

Collected by: Scott Ude/HMI Team
Collected date/time: 06/16/20 17:10
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496362	1	06/23/20 18:41	06/23/20 22:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:49	06/24/20 19:49	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/25/20 02:11	06/25/20 02:11	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	5	06/25/20 01:56	06/25/20 01:56	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 20:26	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	5	06/24/20 12:00	06/25/20 13:34	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 03:36	06/22/20 03:36	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 20:20	06/21/20 20:20	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 03:32	CAG	Mt. Juliet, TN

DUP-EP-01 L1230681-18 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 12:00 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496362	1	06/23/20 18:41	06/23/20 22:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1495505	1	06/24/20 19:50	06/24/20 19:50	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/25/20 02:26	06/25/20 02:26	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	100	06/25/20 02:41	06/25/20 02:41	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495348	1	06/24/20 16:12	06/24/20 20:30	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	5	06/24/20 12:00	06/25/20 13:37	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 03:57	06/22/20 03:57	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 20:41	06/21/20 20:41	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 03:58	CAG	Mt. Juliet, TN

EB-EP-01 L1230681-19 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 13:30 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496362	1	06/23/20 18:41	06/23/20 22:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1496490	1	06/23/20 18:58	06/23/20 18:58	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/25/20 02:56	06/25/20 02:56	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 20:53	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 13:41	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 02:34	06/22/20 02:34	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 17:35	06/21/20 17:35	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 04:24	CAG	Mt. Juliet, TN

EB-EP-02 L1230681-20 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 17:25 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496362	1	06/23/20 18:41	06/23/20 22:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1496490	1	06/23/20 19:00	06/23/20 19:00	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497335	1	06/25/20 03:11	06/25/20 03:11	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 21:07	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 13:58	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 02:55	06/22/20 02:55	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 17:56	06/21/20 17:56	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 04:50	CAG	Mt. Juliet, TN

EB-EP-03 L1230681-21 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 06/16/20 15:05 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496362	1	06/23/20 18:41	06/23/20 22:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1496490	1	06/23/20 19:01	06/23/20 19:01	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/24/20 03:28	06/24/20 03:28	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 21:11	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 14:01	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 03:15	06/22/20 03:15	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 18:17	06/21/20 18:17	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 05:15	CAG	Mt. Juliet, TN

TRIP BLANK-EP-02 L1230681-22 GW

			Collected by	Collected date/time	Received date/time	
			Scott Ude/HMI Team	06/16/20 00:00	06/18/20 08:45	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 16:54	06/21/20 16:54	JCP	Mt. Juliet, TN

TRIP BLANK-EP-04 L1230681-23 GW

			Collected by	Collected date/time	Received date/time	
			Scott Ude/HMI Team	06/16/20 00:00	06/18/20 08:45	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 17:14	06/21/20 17:14	JCP	Mt. Juliet, TN

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.



Chris McCord
Project Manager

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3640		14.1	50.0	1	06/23/2020 21:21	WG1496361

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:18	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	669		37.9	100	100	06/24/2020 16:43	WG1497335
Fluoride	1.55		0.0640	0.150	1	06/24/2020 16:28	WG1497335
Sulfate	1670		59.4	500	100	06/24/2020 16:43	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00491		0.000735	0.00200	1	06/25/2020 01:16	WG1495379
Arsenic,Dissolved	0.00472		0.000735	0.00200	1	06/24/2020 19:04	WG1495348
Barium	0.0121	J	0.00778	0.0200	1	06/25/2020 01:16	WG1495379
Barium,Dissolved	0.0127	J	0.00778	0.0200	1	06/24/2020 19:04	WG1495348
Calcium	290		0.480	1.00	1	06/25/2020 01:16	WG1495379
Chromium	U		0.00149	0.00200	1	06/25/2020 01:16	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 19:04	WG1495348
Iron	0.472		0.0489	0.100	1	06/25/2020 01:16	WG1495379
Iron,Dissolved	0.378		0.0489	0.100	1	06/24/2020 19:04	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 01:16	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 19:04	WG1495348
Manganese	0.259		0.00132	0.00500	1	06/25/2020 01:16	WG1495379
Manganese,Dissolved	0.262		0.00132	0.00500	1	06/24/2020 19:04	WG1495348
Potassium	1.18	J	0.534	2.00	1	06/25/2020 01:16	WG1495379
Selenium	U		0.000657	0.00200	1	06/25/2020 01:16	WG1495379
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 19:04	WG1495348
Sodium	670		0.630	2.00	1	06/25/2020 12:21	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.192		0.0314	0.100	1	06/22/2020 04:13	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*93.3*			*78.0-120*		*06/22/2020 04:13*	WG1496530

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0565	0.250	5	06/21/2020 07:42	WG1496261
Benzene	U		0.000471	0.00500	5	06/21/2020 07:42	WG1496261
Bromodichloromethane	U		0.000680	0.00500	5	06/21/2020 07:42	WG1496261
Bromoform	U		0.000645	0.00500	5	06/21/2020 07:42	WG1496261
Bromomethane	U		0.00303	0.0250	5	06/21/2020 07:42	WG1496261
n-Butylbenzene	U		0.000785	0.00500	5	06/21/2020 07:42	WG1496261
sec-Butylbenzene	U		0.000625	0.00500	5	06/21/2020 07:42	WG1496261
Carbon disulfide	U		0.000481	0.00500	5	06/21/2020 07:42	WG1496261
Carbon tetrachloride	U		0.000640	0.00500	5	06/21/2020 07:42	WG1496261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000580	0.00500	5	06/21/2020 07:42	WG1496261
Chlorodibromomethane	U		0.000700	0.00500	5	06/21/2020 07:42	WG1496261
Chloroethane	U		0.000960	0.0250	5	06/21/2020 07:42	WG1496261
Chloroform	U		0.000555	0.0250	5	06/21/2020 07:42	WG1496261
Chloromethane	U		0.00480	0.0125	5	06/21/2020 07:42	WG1496261
1,2-Dibromoethane	U		0.000630	0.00500	5	06/21/2020 07:42	WG1496261
1,1-Dichloroethane	U		0.000500	0.00500	5	06/21/2020 07:42	WG1496261
1,2-Dichloroethane	U		0.000409	0.00500	5	06/21/2020 07:42	WG1496261
1,1-Dichloroethene	U		0.000940	0.00500	5	06/21/2020 07:42	WG1496261
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	06/21/2020 07:42	WG1496261
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	06/21/2020 07:42	WG1496261
1,2-Dichloropropane	U		0.000745	0.00500	5	06/21/2020 07:42	WG1496261
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	06/21/2020 07:42	WG1496261
trans-1,3-Dichloropropene	U		0.000590	0.00500	5	06/21/2020 07:42	WG1496261
Ethylbenzene	0.000927	J	0.000685	0.00500	5	06/21/2020 07:42	WG1496261
Isopropylbenzene	U		0.000525	0.00500	5	06/21/2020 07:42	WG1496261
p-Isopropyltoluene	U		0.000600	0.00500	5	06/21/2020 07:42	WG1496261
2-Butanone (MEK)	U		0.00595	0.0500	5	06/21/2020 07:42	WG1496261
2-Hexanone	U		0.00394	0.0500	5	06/21/2020 07:42	WG1496261
Methylene Chloride	0.0101	J	0.00215	0.0250	5	06/21/2020 07:42	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	06/21/2020 07:42	WG1496261
Methyl tert-butyl ether	U		0.000505	0.00500	5	06/21/2020 07:42	WG1496261
Naphthalene	U		0.00500	0.0250	5	06/21/2020 07:42	WG1496261
n-Propylbenzene	U		0.000497	0.00500	5	06/21/2020 07:42	WG1496261
Styrene	U		0.000590	0.00500	5	06/21/2020 07:42	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	06/21/2020 07:42	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	06/21/2020 07:42	WG1496261
Tetrachloroethene	U		0.00150	0.00500	5	06/21/2020 07:42	WG1496261
Toluene	U		0.00139	0.00500	5	06/21/2020 07:42	WG1496261
1,1,1-Trichloroethane	U		0.000745	0.00500	5	06/21/2020 07:42	WG1496261
1,1,2-Trichloroethane	U		0.000790	0.00500	5	06/21/2020 07:42	WG1496261
Trichloroethene	0.0217		0.000950	0.00500	5	06/21/2020 07:42	WG1496261
1,2,4-Trimethylbenzene	U		0.00161	0.00500	5	06/21/2020 07:42	WG1496261
1,3,5-Trimethylbenzene	U		0.000520	0.00500	5	06/21/2020 07:42	WG1496261
Vinyl chloride	U		0.00117	0.00500	5	06/21/2020 07:42	WG1496261
o-Xylene	0.00171	J	0.000870	0.00500	5	06/21/2020 07:42	WG1496261
m&p-Xylene	U		0.00215	0.0100	5	06/21/2020 07:42	WG1496261
Xylenes, Total	0.00171	J	0.000870	0.0150	5	06/21/2020 07:42	WG1496261
(S) Toluene-d8	*106*			*80.0-120*		*06/21/2020 07:42*	WG1496261
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/21/2020 07:42*	WG1496261
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*06/21/2020 07:42*	WG1496261

Sample Narrative:

L1230681-01 WG1496261: DILUTION DUE TO FOAM

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.86		0.247	1.00	10	06/25/2020 06:53	WG1496547
(S) o-Terphenyl	*90.0*			*31.0-160*		*06/25/2020 06:53*	WG1496547

Received by OCD: 11/22/2022 9:46:04 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5500		28.2	100	1	06/23/2020 21:21	WG1496361

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:19	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1260		37.9	100	100	06/24/2020 17:13	WG1497335
Fluoride	2.90		0.0640	0.150	1	06/24/2020 16:58	WG1497335
Sulfate	2530		59.4	500	100	06/24/2020 17:13	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00614		0.000735	0.00200	1	06/25/2020 01:19	WG1495379
Arsenic,Dissolved	0.00646		0.000735	0.00200	1	06/24/2020 19:22	WG1495348
Barium	0.00971	J	0.00778	0.0200	1	06/25/2020 01:19	WG1495379
Barium,Dissolved	0.00974	J	0.00778	0.0200	1	06/24/2020 19:22	WG1495348
Calcium	455		0.480	1.00	1	06/25/2020 01:19	WG1495379
Chromium	U		0.00149	0.00200	1	06/25/2020 01:19	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 19:22	WG1495348
Iron	2.94		0.0489	0.100	1	06/25/2020 01:19	WG1495379
Iron,Dissolved	3.08		0.0489	0.100	1	06/24/2020 19:22	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 01:19	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 19:22	WG1495348
Manganese	0.973		0.00132	0.00500	1	06/25/2020 01:19	WG1495379
Manganese,Dissolved	1.06		0.00132	0.00500	1	06/24/2020 19:22	WG1495348
Potassium	2.23		0.534	2.00	1	06/25/2020 01:19	WG1495379
Selenium	U		0.000657	0.00200	1	06/25/2020 01:19	WG1495379
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 19:22	WG1495348
Sodium	992		0.630	2.00	1	06/25/2020 12:25	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0458	J	0.0314	0.100	1	06/22/2020 04:33	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*93.8*			*78.0-120*		*06/22/2020 04:33*	WG1496530

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0565	0.250	5	06/21/2020 08:02	WG1496261
Benzene	U		0.000471	0.00500	5	06/21/2020 08:02	WG1496261
Bromodichloromethane	U		0.000680	0.00500	5	06/21/2020 08:02	WG1496261
Bromoform	U		0.000645	0.00500	5	06/21/2020 08:02	WG1496261
Bromomethane	U		0.00303	0.0250	5	06/21/2020 08:02	WG1496261
n-Butylbenzene	U		0.000785	0.00500	5	06/21/2020 08:02	WG1496261
sec-Butylbenzene	U		0.000625	0.00500	5	06/21/2020 08:02	WG1496261
Carbon disulfide	U		0.000481	0.00500	5	06/21/2020 08:02	WG1496261
Carbon tetrachloride	U		0.000640	0.00500	5	06/21/2020 08:02	WG1496261

Released to Imaging: 11/22/2022 9:50:00 AM

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000580	0.00500	5	06/21/2020 08:02	WG1496261
Chlorodibromomethane	U		0.000700	0.00500	5	06/21/2020 08:02	WG1496261
Chloroethane	U		0.000960	0.0250	5	06/21/2020 08:02	WG1496261
Chloroform	U		0.000555	0.0250	5	06/21/2020 08:02	WG1496261
Chloromethane	U		0.00480	0.0125	5	06/21/2020 08:02	WG1496261
1,2-Dibromoethane	U		0.000630	0.00500	5	06/21/2020 08:02	WG1496261
1,1-Dichloroethane	U		0.000500	0.00500	5	06/21/2020 08:02	WG1496261
1,2-Dichloroethane	U		0.000409	0.00500	5	06/21/2020 08:02	WG1496261
1,1-Dichloroethene	U		0.000940	0.00500	5	06/21/2020 08:02	WG1496261
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	06/21/2020 08:02	WG1496261
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	06/21/2020 08:02	WG1496261
1,2-Dichloropropane	U		0.000745	0.00500	5	06/21/2020 08:02	WG1496261
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	06/21/2020 08:02	WG1496261
trans-1,3-Dichloropropene	U		0.000590	0.00500	5	06/21/2020 08:02	WG1496261
Ethylbenzene	U		0.000685	0.00500	5	06/21/2020 08:02	WG1496261
Isopropylbenzene	U		0.000525	0.00500	5	06/21/2020 08:02	WG1496261
p-Isopropyltoluene	U		0.000600	0.00500	5	06/21/2020 08:02	WG1496261
2-Butanone (MEK)	U		0.00595	0.0500	5	06/21/2020 08:02	WG1496261
2-Hexanone	U		0.00394	0.0500	5	06/21/2020 08:02	WG1496261
Methylene Chloride	U		0.00215	0.0250	5	06/21/2020 08:02	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	06/21/2020 08:02	WG1496261
Methyl tert-butyl ether	U		0.000505	0.00500	5	06/21/2020 08:02	WG1496261
Naphthalene	U		0.00500	0.0250	5	06/21/2020 08:02	WG1496261
n-Propylbenzene	U		0.000497	0.00500	5	06/21/2020 08:02	WG1496261
Styrene	U		0.000590	0.00500	5	06/21/2020 08:02	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	06/21/2020 08:02	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	06/21/2020 08:02	WG1496261
Tetrachloroethene	U		0.00150	0.00500	5	06/21/2020 08:02	WG1496261
Toluene	U		0.00139	0.00500	5	06/21/2020 08:02	WG1496261
1,1,1-Trichloroethane	U		0.000745	0.00500	5	06/21/2020 08:02	WG1496261
1,1,2-Trichloroethane	U		0.000790	0.00500	5	06/21/2020 08:02	WG1496261
Trichloroethene	0.00169	J	0.000950	0.00500	5	06/21/2020 08:02	WG1496261
1,2,4-Trimethylbenzene	U		0.00161	0.00500	5	06/21/2020 08:02	WG1496261
1,3,5-Trimethylbenzene	U		0.000520	0.00500	5	06/21/2020 08:02	WG1496261
Vinyl chloride	U		0.00117	0.00500	5	06/21/2020 08:02	WG1496261
o-Xylene	U		0.000870	0.00500	5	06/21/2020 08:02	WG1496261
m&p-Xylene	U		0.00215	0.0100	5	06/21/2020 08:02	WG1496261
Xylenes, Total	U		0.000870	0.0150	5	06/21/2020 08:02	WG1496261
(S) Toluene-d8	*108*			*80.0-120*		*06/21/2020 08:02*	WG1496261
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/21/2020 08:02*	WG1496261
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*06/21/2020 08:02*	WG1496261

Sample Narrative:

L1230681-02 WG1496261: DILUTION DUE TO FOAM

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.262		0.0247	0.100	1	06/25/2020 02:34	WG1496547
(S) o-Terphenyl	*90.5*			*31.0-160*		*06/25/2020 02:34*	WG1496547

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4890		28.2	100	1	06/23/2020 21:21	WG1496361

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0855	J	0.0500	0.100	1	06/24/2020 19:20	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	752		37.9	100	100	06/24/2020 17:43	WG1497335
Fluoride	5.05		0.0640	0.150	1	06/24/2020 17:28	WG1497335
Sulfate	2790		59.4	500	100	06/24/2020 17:43	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.131		0.000735	0.00200	1	06/25/2020 01:22	WG1495379
Arsenic,Dissolved	0.0253		0.000735	0.00200	1	06/24/2020 19:26	WG1495348
Barium	0.0115	J	0.00778	0.0200	1	06/25/2020 01:22	WG1495379
Barium,Dissolved	0.0109	J	0.00778	0.0200	1	06/24/2020 19:26	WG1495348
Calcium	560		0.480	1.00	1	06/25/2020 01:22	WG1495379
Chromium	U		0.00149	0.00200	1	06/25/2020 01:22	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 19:26	WG1495348
Iron	2.33		0.0489	0.100	1	06/25/2020 01:22	WG1495379
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 19:26	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 01:22	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 19:26	WG1495348
Manganese	2.29		0.00132	0.00500	1	06/25/2020 01:22	WG1495379
Manganese,Dissolved	2.16		0.00132	0.00500	1	06/24/2020 19:26	WG1495348
Potassium	2.71		0.534	2.00	1	06/25/2020 01:22	WG1495379
Selenium	0.00453		0.000657	0.00200	1	06/25/2020 01:22	WG1495379
Selenium,Dissolved	0.00388		0.000657	0.00200	1	06/24/2020 19:26	WG1495348
Sodium	613		0.630	2.00	1	06/25/2020 12:28	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 04:54	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*93.4*			*78.0-120*		*06/22/2020 04:54*	WG1496530

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 02:59	WG1496261
Benzene	U		0.0000941	0.00100	1	06/21/2020 02:59	WG1496261
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 02:59	WG1496261
Bromoform	U		0.000129	0.00100	1	06/21/2020 02:59	WG1496261
Bromomethane	U		0.000605	0.00500	1	06/21/2020 02:59	WG1496261
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 02:59	WG1496261
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 02:59	WG1496261
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 02:59	WG1496261
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 02:59	WG1496261

Received by OCD: 11/22/2022 9:46:04 AM

MW-121
Collected date/time: 06/16/20 12:30
L1230681

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 02:59	WG1496261
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 02:59	WG1496261
Chloroethane	U		0.000192	0.00500	1	06/21/2020 02:59	WG1496261
Chloroform	U		0.000111	0.00500	1	06/21/2020 02:59	WG1496261
Chloromethane	U		0.000960	0.00250	1	06/21/2020 02:59	WG1496261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 02:59	WG1496261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 02:59	WG1496261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 02:59	WG1496261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 02:59	WG1496261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 02:59	WG1496261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 02:59	WG1496261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 02:59	WG1496261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 02:59	WG1496261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 02:59	WG1496261
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 02:59	WG1496261
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 02:59	WG1496261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 02:59	WG1496261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 02:59	WG1496261
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 02:59	WG1496261
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 02:59	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 02:59	WG1496261
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 02:59	WG1496261
Naphthalene	U		0.00100	0.00500	1	06/21/2020 02:59	WG1496261
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 02:59	WG1496261
Styrene	U		0.000118	0.00100	1	06/21/2020 02:59	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 02:59	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 02:59	WG1496261
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 02:59	WG1496261
Toluene	U		0.000278	0.00100	1	06/21/2020 02:59	WG1496261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 02:59	WG1496261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 02:59	WG1496261
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 02:59	WG1496261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 02:59	WG1496261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 02:59	WG1496261
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 02:59	WG1496261
o-Xylene	U		0.000174	0.00100	1	06/21/2020 02:59	WG1496261
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 02:59	WG1496261
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 02:59	WG1496261
(S) Toluene-d8	*106*			*80.0-120*		*06/21/2020 02:59*	WG1496261
(S) 4-Bromofluorobenzene	*99.1*			*77.0-126*		*06/21/2020 02:59*	WG1496261
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*06/21/2020 02:59*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.204		0.0247	0.100	1	06/25/2020 03:00	WG1496547
(S) o-Terphenyl	*77.4*			*31.0-160*		*06/25/2020 03:00*	WG1496547

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	7180		56.4	200	1	06/23/2020 21:21	WG1496361

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	48.4		1.00	2.00	20	06/24/2020 19:21	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1540		37.9	100	100	06/25/2020 04:11	WG1497335
Fluoride	7.75		0.0640	0.150	1	06/25/2020 03:56	WG1497335
Sulfate	4190		59.4	500	100	06/25/2020 04:11	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0552		0.000735	0.00200	1	06/25/2020 01:26	WG1495379
Arsenic,Dissolved	0.0563		0.000735	0.00200	1	06/24/2020 19:29	WG1495348
Barium	0.0160	J	0.00778	0.0200	1	06/25/2020 01:26	WG1495379
Barium,Dissolved	0.0140	J	0.00778	0.0200	1	06/24/2020 19:29	WG1495348
Calcium	507		0.480	1.00	1	06/25/2020 01:26	WG1495379
Chromium	0.00165	J	0.00149	0.00200	1	06/25/2020 01:26	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 19:29	WG1495348
Iron	0.325		0.0489	0.100	1	06/25/2020 01:26	WG1495379
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 19:29	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 01:26	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 19:29	WG1495348
Manganese	1.13		0.00132	0.00500	1	06/25/2020 01:26	WG1495379
Manganese,Dissolved	1.20		0.00132	0.00500	1	06/24/2020 19:29	WG1495348
Potassium	32.7		0.534	2.00	1	06/25/2020 01:26	WG1495379
Selenium	0.151		0.000657	0.00200	1	06/25/2020 01:26	WG1495379
Selenium,Dissolved	0.160		0.000657	0.00200	1	06/24/2020 19:29	WG1495348
Sodium	2260		3.15	10.0	5	06/25/2020 12:32	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.490		0.0314	0.100	1	06/22/2020 05:14	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*92.2*			*78.0-120*		*06/22/2020 05:14*	WG1496530

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 03:19	WG1496261
Benzene	U		0.0000941	0.00100	1	06/21/2020 03:19	WG1496261
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 03:19	WG1496261
Bromoform	U		0.000129	0.00100	1	06/21/2020 03:19	WG1496261
Bromomethane	U		0.000605	0.00500	1	06/21/2020 03:19	WG1496261
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 03:19	WG1496261
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 03:19	WG1496261
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 03:19	WG1496261
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 03:19	WG1496261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 03:19	WG1496261
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 03:19	WG1496261
Chloroethane	U		0.000192	0.00500	1	06/21/2020 03:19	WG1496261
Chloroform	U		0.000111	0.00500	1	06/21/2020 03:19	WG1496261
Chloromethane	U		0.000960	0.00250	1	06/21/2020 03:19	WG1496261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 03:19	WG1496261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 03:19	WG1496261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 03:19	WG1496261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 03:19	WG1496261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 03:19	WG1496261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 03:19	WG1496261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 03:19	WG1496261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 03:19	WG1496261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 03:19	WG1496261
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 03:19	WG1496261
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 03:19	WG1496261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 03:19	WG1496261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 03:19	WG1496261
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 03:19	WG1496261
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 03:19	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 03:19	WG1496261
Methyl tert-butyl ether	0.000294	J	0.000101	0.00100	1	06/21/2020 03:19	WG1496261
Naphthalene	U		0.00100	0.00500	1	06/21/2020 03:19	WG1496261
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 03:19	WG1496261
Styrene	U		0.000118	0.00100	1	06/21/2020 03:19	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 03:19	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 03:19	WG1496261
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 03:19	WG1496261
Toluene	U		0.000278	0.00100	1	06/21/2020 03:19	WG1496261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 03:19	WG1496261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 03:19	WG1496261
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 03:19	WG1496261
1,2,4-Trimethylbenzene	0.000772	J	0.000322	0.00100	1	06/21/2020 03:19	WG1496261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 03:19	WG1496261
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 03:19	WG1496261
o-Xylene	U		0.000174	0.00100	1	06/21/2020 03:19	WG1496261
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 03:19	WG1496261
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 03:19	WG1496261
(S) Toluene-d8	*105*			*80.0-120*		*06/21/2020 03:19*	WG1496261
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*06/21/2020 03:19*	WG1496261
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*06/21/2020 03:19*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	21.9		0.123	0.500	5	06/25/2020 17:15	WG1496547
(S) o-Terphenyl	*110*			*31.0-160*		*06/25/2020 17:15*	WG1496547

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	8860		56.4	200	1	06/23/2020 21:21	WG1496361

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:26	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	2540		37.9	100	100	06/25/2020 04:41	WG1497335
Fluoride	1.67		0.0640	0.150	1	06/25/2020 04:26	WG1497335
Sulfate	3990		59.4	500	100	06/25/2020 04:41	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0493		0.000735	0.00200	1	06/25/2020 01:29	WG1495379
Arsenic,Dissolved	0.0496		0.000735	0.00200	1	06/24/2020 19:33	WG1495348
Barium	0.00886	J	0.00778	0.0200	1	06/25/2020 01:29	WG1495379
Barium,Dissolved	0.00883	J	0.00778	0.0200	1	06/24/2020 19:33	WG1495348
Calcium	561		0.480	1.00	1	06/25/2020 01:29	WG1495379
Chromium	0.00186	J	0.00149	0.00200	1	06/25/2020 01:29	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 19:33	WG1495348
Iron	2.78		0.0489	0.100	1	06/25/2020 01:29	WG1495379
Iron,Dissolved	2.27		0.0489	0.100	1	06/24/2020 19:33	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 01:29	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 19:33	WG1495348
Manganese	1.89		0.00132	0.00500	1	06/25/2020 01:29	WG1495379
Manganese,Dissolved	2.12		0.00132	0.00500	1	06/24/2020 19:33	WG1495348
Potassium	2.29		0.534	2.00	1	06/25/2020 01:29	WG1495379
Selenium	0.00195	J	0.000657	0.00200	1	06/25/2020 01:29	WG1495379
Selenium,Dissolved	0.00193	J	0.000657	0.00200	1	06/24/2020 19:33	WG1495348
Sodium	2410		3.15	10.0	5	06/25/2020 12:36	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.408		0.0314	0.100	1	06/22/2020 05:35	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*91.8*			*78.0-120*		*06/22/2020 05:35*	WG1496530

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/21/2020 03:39	WG1496261
Benzene	U		0.0000941	0.00100	1	06/21/2020 03:39	WG1496261
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 03:39	WG1496261
Bromoform	U		0.000129	0.00100	1	06/21/2020 03:39	WG1496261
Bromomethane	U		0.000605	0.00500	1	06/21/2020 03:39	WG1496261
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 03:39	WG1496261
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 03:39	WG1496261
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 03:39	WG1496261
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 03:39	WG1496261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 03:39	WG1496261
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 03:39	WG1496261
Chloroethane	U		0.000192	0.00500	1	06/21/2020 03:39	WG1496261
Chloroform	U		0.000111	0.00500	1	06/21/2020 03:39	WG1496261
Chloromethane	U		0.000960	0.00250	1	06/21/2020 03:39	WG1496261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 03:39	WG1496261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 03:39	WG1496261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 03:39	WG1496261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 03:39	WG1496261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 03:39	WG1496261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 03:39	WG1496261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 03:39	WG1496261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 03:39	WG1496261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 03:39	WG1496261
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 03:39	WG1496261
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 03:39	WG1496261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 03:39	WG1496261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 03:39	WG1496261
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 03:39	WG1496261
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 03:39	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 03:39	WG1496261
Methyl tert-butyl ether	0.00105		0.000101	0.00100	1	06/21/2020 03:39	WG1496261
Naphthalene	U		0.00100	0.00500	1	06/21/2020 03:39	WG1496261
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 03:39	WG1496261
Styrene	U		0.000118	0.00100	1	06/21/2020 03:39	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 03:39	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 03:39	WG1496261
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 03:39	WG1496261
Toluene	U		0.000278	0.00100	1	06/21/2020 03:39	WG1496261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 03:39	WG1496261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 03:39	WG1496261
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 03:39	WG1496261
1,2,4-Trimethylbenzene	0.000589	J	0.000322	0.00100	1	06/21/2020 03:39	WG1496261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 03:39	WG1496261
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 03:39	WG1496261
o-Xylene	U		0.000174	0.00100	1	06/21/2020 03:39	WG1496261
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 03:39	WG1496261
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 03:39	WG1496261
(S) Toluene-d8	*109*			*80.0-120*		*06/21/2020 03:39*	WG1496261
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*06/21/2020 03:39*	WG1496261
(S) 1,2-Dichloroethane-d4	*94.5*			*70.0-130*		*06/21/2020 03:39*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.86		0.0247	0.100	1	06/25/2020 03:26	WG1496547
(S) o-Terphenyl	*101*			*31.0-160*		*06/25/2020 03:26*	WG1496547

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	8060		56.4	200	1	06/23/2020 21:21	WG1496361

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.645		0.0500	0.100	1	06/24/2020 19:28	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2830		37.9	100	100	06/24/2020 19:43	WG1497335
Fluoride	5.71		0.0640	0.150	1	06/24/2020 19:28	WG1497335
Sulfate	2810		59.4	500	100	06/24/2020 19:43	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00851		0.000735	0.00200	1	06/25/2020 01:33	WG1495379
Arsenic,Dissolved	0.00634		0.000735	0.00200	1	06/24/2020 19:37	WG1495348
Barium	0.0124	J	0.00778	0.0200	1	06/25/2020 01:33	WG1495379
Barium,Dissolved	0.0141	J	0.00778	0.0200	1	06/24/2020 19:37	WG1495348
Calcium	627		0.480	1.00	1	06/25/2020 01:33	WG1495379
Chromium	U		0.00149	0.00200	1	06/25/2020 01:33	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 19:37	WG1495348
Iron	1.99		0.0489	0.100	1	06/25/2020 01:33	WG1495379
Iron,Dissolved	1.01		0.0489	0.100	1	06/24/2020 19:37	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 01:33	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 19:37	WG1495348
Manganese	1.91		0.00132	0.00500	1	06/25/2020 01:33	WG1495379
Manganese,Dissolved	2.14		0.00132	0.00500	1	06/24/2020 19:37	WG1495348
Potassium	6.56		0.534	2.00	1	06/25/2020 01:33	WG1495379
Selenium	0.00175	J	0.000657	0.00200	1	06/25/2020 01:33	WG1495379
Selenium,Dissolved	0.000890	J	0.000657	0.00200	1	06/24/2020 19:37	WG1495348
Sodium	1730		3.15	10.0	5	06/25/2020 12:39	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0544	J	0.0314	0.100	1	06/22/2020 05:55	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*91.6*			*78.0-120*		*06/22/2020 05:55*	WG1496530

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 03:59	WG1496261
Benzene	U		0.0000941	0.00100	1	06/21/2020 03:59	WG1496261
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 03:59	WG1496261
Bromoform	U		0.000129	0.00100	1	06/21/2020 03:59	WG1496261
Bromomethane	U		0.000605	0.00500	1	06/21/2020 03:59	WG1496261
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 03:59	WG1496261
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 03:59	WG1496261
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 03:59	WG1496261
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 03:59	WG1496261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 03:59	WG1496261
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 03:59	WG1496261
Chloroethane	U		0.000192	0.00500	1	06/21/2020 03:59	WG1496261
Chloroform	U		0.000111	0.00500	1	06/21/2020 03:59	WG1496261
Chloromethane	U		0.000960	0.00250	1	06/21/2020 03:59	WG1496261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 03:59	WG1496261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 03:59	WG1496261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 03:59	WG1496261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 03:59	WG1496261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 03:59	WG1496261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 03:59	WG1496261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 03:59	WG1496261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 03:59	WG1496261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 03:59	WG1496261
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 03:59	WG1496261
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 03:59	WG1496261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 03:59	WG1496261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 03:59	WG1496261
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 03:59	WG1496261
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 03:59	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 03:59	WG1496261
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 03:59	WG1496261
Naphthalene	U		0.00100	0.00500	1	06/21/2020 03:59	WG1496261
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 03:59	WG1496261
Styrene	U		0.000118	0.00100	1	06/21/2020 03:59	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 03:59	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 03:59	WG1496261
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 03:59	WG1496261
Toluene	U		0.000278	0.00100	1	06/21/2020 03:59	WG1496261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 03:59	WG1496261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 03:59	WG1496261
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 03:59	WG1496261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 03:59	WG1496261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 03:59	WG1496261
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 03:59	WG1496261
o-Xylene	U		0.000174	0.00100	1	06/21/2020 03:59	WG1496261
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 03:59	WG1496261
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 03:59	WG1496261
(S) Toluene-d8	*108*			*80.0-120*		*06/21/2020 03:59*	WG1496261
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*06/21/2020 03:59*	WG1496261
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*06/21/2020 03:59*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.303		0.0247	0.100	1	06/25/2020 16:24	WG1496547
(S) o-Terphenyl	*89.5*			*31.0-160*		*06/25/2020 16:24*	WG1496547

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	10800		56.4	200	1	06/23/2020 21:21	WG1496361

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:29	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	4880		37.9	100	100	06/24/2020 20:13	WG1497335
Fluoride	2.04		0.0640	0.150	1	06/24/2020 19:58	WG1497335
Sulfate	3160		59.4	500	100	06/24/2020 20:13	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00686		0.000735	0.00200	1	06/25/2020 01:36	WG1495379
Arsenic,Dissolved	0.00577		0.000735	0.00200	1	06/24/2020 19:40	WG1495348
Barium	0.0213		0.00778	0.0200	1	06/25/2020 01:36	WG1495379
Barium,Dissolved	0.0228		0.00778	0.0200	1	06/24/2020 19:40	WG1495348
Calcium	918		0.480	1.00	1	06/25/2020 01:36	WG1495379
Chromium	U		0.00149	0.00200	1	06/25/2020 01:36	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 19:40	WG1495348
Iron	2.80		0.0489	0.100	1	06/25/2020 01:36	WG1495379
Iron,Dissolved	2.32		0.0489	0.100	1	06/24/2020 19:40	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 01:36	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 19:40	WG1495348
Manganese	2.28		0.00132	0.00500	1	06/25/2020 01:36	WG1495379
Manganese,Dissolved	2.52		0.00132	0.00500	1	06/24/2020 19:40	WG1495348
Potassium	15.0		0.534	2.00	1	06/25/2020 01:36	WG1495379
Selenium	U		0.000657	0.00200	1	06/25/2020 01:36	WG1495379
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 19:40	WG1495348
Sodium	2710		3.15	10.0	5	06/25/2020 12:43	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.134		0.0314	0.100	1	06/22/2020 06:16	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*92.3*			*78.0-120*		*06/22/2020 06:16*	WG1496530

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/21/2020 04:19	WG1496261
Benzene	U		0.0000941	0.00100	1	06/21/2020 04:19	WG1496261
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 04:19	WG1496261
Bromoform	U		0.000129	0.00100	1	06/21/2020 04:19	WG1496261
Bromomethane	U		0.000605	0.00500	1	06/21/2020 04:19	WG1496261
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 04:19	WG1496261
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 04:19	WG1496261
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 04:19	WG1496261
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 04:19	WG1496261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 04:19	WG1496261
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 04:19	WG1496261
Chloroethane	U		0.000192	0.00500	1	06/21/2020 04:19	WG1496261
Chloroform	U		0.000111	0.00500	1	06/21/2020 04:19	WG1496261
Chloromethane	U		0.000960	0.00250	1	06/21/2020 04:19	WG1496261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 04:19	WG1496261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 04:19	WG1496261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 04:19	WG1496261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 04:19	WG1496261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 04:19	WG1496261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 04:19	WG1496261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 04:19	WG1496261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 04:19	WG1496261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 04:19	WG1496261
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 04:19	WG1496261
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 04:19	WG1496261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 04:19	WG1496261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 04:19	WG1496261
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 04:19	WG1496261
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 04:19	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 04:19	WG1496261
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 04:19	WG1496261
Naphthalene	U		0.00100	0.00500	1	06/21/2020 04:19	WG1496261
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 04:19	WG1496261
Styrene	U		0.000118	0.00100	1	06/21/2020 04:19	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 04:19	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 04:19	WG1496261
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 04:19	WG1496261
Toluene	U		0.000278	0.00100	1	06/21/2020 04:19	WG1496261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 04:19	WG1496261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 04:19	WG1496261
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 04:19	WG1496261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 04:19	WG1496261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 04:19	WG1496261
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 04:19	WG1496261
o-Xylene	U		0.000174	0.00100	1	06/21/2020 04:19	WG1496261
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 04:19	WG1496261
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 04:19	WG1496261
(S) Toluene-d8	*107*			*80.0-120*		*06/21/2020 04:19*	WG1496261
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*06/21/2020 04:19*	WG1496261
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*06/21/2020 04:19*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.517		0.0247	0.100	1	06/25/2020 04:18	WG1496547
(S) o-Terphenyl	*86.8*			*31.0-160*		*06/25/2020 04:18*	WG1496547

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	9740		56.4	200	1	06/23/2020 21:21	WG1496361

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:30	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2990		37.9	100	100	06/24/2020 20:43	WG1497335
Fluoride	2.13		0.0640	0.150	1	06/24/2020 20:28	WG1497335
Sulfate	3990		59.4	500	100	06/24/2020 20:43	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0978		0.000735	0.00200	1	06/25/2020 01:40	WG1495379
Arsenic,Dissolved	0.101		0.000735	0.00200	1	06/24/2020 19:44	WG1495348
Barium	0.0138	J	0.00778	0.0200	1	06/25/2020 01:40	WG1495379
Barium,Dissolved	0.0154	J	0.00778	0.0200	1	06/24/2020 19:44	WG1495348
Calcium	619		0.480	1.00	1	06/25/2020 01:40	WG1495379
Chromium	U		0.00149	0.00200	1	06/25/2020 01:40	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 19:44	WG1495348
Iron	9.81		0.0489	0.100	1	06/25/2020 01:40	WG1495379
Iron,Dissolved	10.3		0.0489	0.100	1	06/24/2020 19:44	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 01:40	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 19:44	WG1495348
Manganese	2.62		0.00132	0.00500	1	06/25/2020 01:40	WG1495379
Manganese,Dissolved	2.92		0.00132	0.00500	1	06/24/2020 19:44	WG1495348
Potassium	6.10		0.534	2.00	1	06/25/2020 01:40	WG1495379
Selenium	0.00152	J	0.000657	0.00200	1	06/25/2020 01:40	WG1495379
Selenium,Dissolved	0.00126	J	0.000657	0.00200	1	06/24/2020 19:44	WG1495348
Sodium	2520		3.15	10.0	5	06/25/2020 13:02	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.637		0.0314	0.100	1	06/22/2020 06:36	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*94.2*			*78.0-120*		*06/22/2020 06:36*	WG1496530

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 04:39	WG1496261
Benzene	U		0.0000941	0.00100	1	06/21/2020 04:39	WG1496261
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 04:39	WG1496261
Bromoform	U		0.000129	0.00100	1	06/21/2020 04:39	WG1496261
Bromomethane	U		0.000605	0.00500	1	06/21/2020 04:39	WG1496261
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 04:39	WG1496261
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 04:39	WG1496261
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 04:39	WG1496261
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 04:39	WG1496261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 04:39	WG1496261
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 04:39	WG1496261
Chloroethane	U		0.000192	0.00500	1	06/21/2020 04:39	WG1496261
Chloroform	U		0.000111	0.00500	1	06/21/2020 04:39	WG1496261
Chloromethane	U		0.000960	0.00250	1	06/21/2020 04:39	WG1496261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 04:39	WG1496261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 04:39	WG1496261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 04:39	WG1496261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 04:39	WG1496261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 04:39	WG1496261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 04:39	WG1496261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 04:39	WG1496261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 04:39	WG1496261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 04:39	WG1496261
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 04:39	WG1496261
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 04:39	WG1496261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 04:39	WG1496261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 04:39	WG1496261
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 04:39	WG1496261
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 04:39	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 04:39	WG1496261
Methyl tert-butyl ether	0.000944	J	0.000101	0.00100	1	06/21/2020 04:39	WG1496261
Naphthalene	U		0.00100	0.00500	1	06/21/2020 04:39	WG1496261
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 04:39	WG1496261
Styrene	U		0.000118	0.00100	1	06/21/2020 04:39	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 04:39	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 04:39	WG1496261
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 04:39	WG1496261
Toluene	U		0.000278	0.00100	1	06/21/2020 04:39	WG1496261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 04:39	WG1496261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 04:39	WG1496261
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 04:39	WG1496261
1,2,4-Trimethylbenzene	0.000452	J	0.000322	0.00100	1	06/21/2020 04:39	WG1496261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 04:39	WG1496261
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 04:39	WG1496261
o-Xylene	U		0.000174	0.00100	1	06/21/2020 04:39	WG1496261
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 04:39	WG1496261
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 04:39	WG1496261
(S) Toluene-d8	*108*			*80.0-120*		*06/21/2020 04:39*	WG1496261
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/21/2020 04:39*	WG1496261
(S) 1,2-Dichloroethane-d4	*93.2*			*70.0-130*		*06/21/2020 04:39*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.21		0.0247	0.100	1	06/25/2020 04:44	WG1496547
(S) o-Terphenyl	*104*			*31.0-160*		*06/25/2020 04:44*	WG1496547

Received by OCD: 11/22/2022 9:46:04 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5240		28.2	100	1	06/23/2020 21:21	WG1496361

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:34	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1510		37.9	100	100	06/24/2020 21:13	WG1497335
Fluoride	0.951		0.0640	0.150	1	06/24/2020 20:58	WG1497335
Sulfate	2040		59.4	500	100	06/24/2020 21:13	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00559		0.000735	0.00200	1	06/25/2020 01:43	WG1495379
Arsenic,Dissolved	0.00595		0.000735	0.00200	1	06/24/2020 19:48	WG1495348
Barium	0.00971	J	0.00778	0.0200	1	06/25/2020 01:43	WG1495379
Barium,Dissolved	0.0115	J	0.00778	0.0200	1	06/24/2020 19:48	WG1495348
Calcium	406		0.480	1.00	1	06/25/2020 01:43	WG1495379
Chromium	U		0.00149	0.00200	1	06/25/2020 01:43	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 19:48	WG1495348
Iron	0.0546	J	0.0489	0.100	1	06/25/2020 01:43	WG1495379
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 19:48	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 01:43	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 19:48	WG1495348
Manganese	0.807		0.00132	0.00500	1	06/25/2020 01:43	WG1495379
Manganese,Dissolved	0.869		0.00132	0.00500	1	06/24/2020 19:48	WG1495348
Potassium	2.83		0.534	2.00	1	06/25/2020 01:43	WG1495379
Selenium	U		0.000657	0.00200	1	06/25/2020 01:43	WG1495379
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 19:48	WG1495348
Sodium	997		0.630	2.00	1	06/25/2020 13:05	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0434	J	0.0314	0.100	1	06/22/2020 06:57	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*93.3*			*78.0-120*		*06/22/2020 06:57*	WG1496530

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 05:00	WG1496261
Benzene	U		0.0000941	0.00100	1	06/21/2020 05:00	WG1496261
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 05:00	WG1496261
Bromoform	U		0.000129	0.00100	1	06/21/2020 05:00	WG1496261
Bromomethane	U		0.000605	0.00500	1	06/21/2020 05:00	WG1496261
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 05:00	WG1496261
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 05:00	WG1496261
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 05:00	WG1496261
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 05:00	WG1496261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 05:00	WG1496261
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 05:00	WG1496261
Chloroethane	U		0.000192	0.00500	1	06/21/2020 05:00	WG1496261
Chloroform	U		0.000111	0.00500	1	06/21/2020 05:00	WG1496261
Chloromethane	U		0.000960	0.00250	1	06/21/2020 05:00	WG1496261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 05:00	WG1496261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 05:00	WG1496261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 05:00	WG1496261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 05:00	WG1496261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 05:00	WG1496261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 05:00	WG1496261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 05:00	WG1496261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 05:00	WG1496261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 05:00	WG1496261
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 05:00	WG1496261
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 05:00	WG1496261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 05:00	WG1496261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 05:00	WG1496261
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 05:00	WG1496261
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 05:00	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 05:00	WG1496261
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 05:00	WG1496261
Naphthalene	U		0.00100	0.00500	1	06/21/2020 05:00	WG1496261
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 05:00	WG1496261
Styrene	U		0.000118	0.00100	1	06/21/2020 05:00	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 05:00	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 05:00	WG1496261
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 05:00	WG1496261
Toluene	U		0.000278	0.00100	1	06/21/2020 05:00	WG1496261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 05:00	WG1496261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 05:00	WG1496261
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 05:00	WG1496261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 05:00	WG1496261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 05:00	WG1496261
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 05:00	WG1496261
o-Xylene	U		0.000174	0.00100	1	06/21/2020 05:00	WG1496261
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 05:00	WG1496261
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 05:00	WG1496261
(S) Toluene-d8	*107*			*80.0-120*		*06/21/2020 05:00*	WG1496261
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/21/2020 05:00*	WG1496261
(S) 1,2-Dichloroethane-d4	*91.8*			*70.0-130*		*06/21/2020 05:00*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.317		0.0247	0.100	1	06/25/2020 16:50	WG1496547
(S) o-Terphenyl	*93.7*			*31.0-160*		*06/25/2020 16:50*	WG1496547

Received by OCD: 11/22/2022 9:46:04 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4870		28.2	100	1	06/23/2020 21:21	WG1496361

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:35	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1440		37.9	100	100	06/24/2020 22:12	WG1497335
Fluoride	1.98		0.0640	0.150	1	06/24/2020 21:58	WG1497335
Sulfate	1890		59.4	500	100	06/24/2020 22:12	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.111		0.000735	0.00200	1	06/25/2020 01:53	WG1495379
Arsenic,Dissolved	0.104		0.000735	0.00200	1	06/24/2020 19:51	WG1495348
Barium	0.0125	J	0.00778	0.0200	1	06/25/2020 01:53	WG1495379
Barium,Dissolved	0.0125	J	0.00778	0.0200	1	06/24/2020 19:51	WG1495348
Calcium	403		0.480	1.00	1	06/25/2020 01:53	WG1495379
Chromium	U		0.00149	0.00200	1	06/25/2020 01:53	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 19:51	WG1495348
Iron	2.55		0.0489	0.100	1	06/25/2020 01:53	WG1495379
Iron,Dissolved	2.43		0.0489	0.100	1	06/24/2020 19:51	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 01:53	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 19:51	WG1495348
Manganese	1.79		0.00132	0.00500	1	06/25/2020 01:53	WG1495379
Manganese,Dissolved	1.84		0.00132	0.00500	1	06/24/2020 19:51	WG1495348
Potassium	4.72		0.534	2.00	1	06/25/2020 01:53	WG1495379
Selenium	U		0.000657	0.00200	1	06/25/2020 01:53	WG1495379
Selenium,Dissolved	0.00109	J	0.000657	0.00200	1	06/24/2020 19:51	WG1495348
Sodium	962		0.630	2.00	1	06/25/2020 13:10	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.377		0.0314	0.100	1	06/22/2020 07:17	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*78.0-120*		*06/22/2020 07:17*	WG1496530

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 05:20	WG1496261
Benzene	U		0.0000941	0.00100	1	06/21/2020 05:20	WG1496261
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 05:20	WG1496261
Bromoform	U		0.000129	0.00100	1	06/21/2020 05:20	WG1496261
Bromomethane	U		0.000605	0.00500	1	06/21/2020 05:20	WG1496261
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 05:20	WG1496261
sec-Butylbenzene	0.000326	J	0.000125	0.00100	1	06/21/2020 05:20	WG1496261
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 05:20	WG1496261
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 05:20	WG1496261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 05:20	WG1496261
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 05:20	WG1496261
Chloroethane	U		0.000192	0.00500	1	06/21/2020 05:20	WG1496261
Chloroform	U		0.000111	0.00500	1	06/21/2020 05:20	WG1496261
Chloromethane	U		0.000960	0.00250	1	06/21/2020 05:20	WG1496261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 05:20	WG1496261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 05:20	WG1496261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 05:20	WG1496261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 05:20	WG1496261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 05:20	WG1496261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 05:20	WG1496261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 05:20	WG1496261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 05:20	WG1496261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 05:20	WG1496261
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 05:20	WG1496261
Isopropylbenzene	0.00134		0.000105	0.00100	1	06/21/2020 05:20	WG1496261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 05:20	WG1496261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 05:20	WG1496261
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 05:20	WG1496261
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 05:20	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 05:20	WG1496261
Methyl tert-butyl ether	0.000195	J	0.000101	0.00100	1	06/21/2020 05:20	WG1496261
Naphthalene	U		0.00100	0.00500	1	06/21/2020 05:20	WG1496261
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 05:20	WG1496261
Styrene	U		0.000118	0.00100	1	06/21/2020 05:20	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 05:20	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 05:20	WG1496261
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 05:20	WG1496261
Toluene	U		0.000278	0.00100	1	06/21/2020 05:20	WG1496261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 05:20	WG1496261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 05:20	WG1496261
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 05:20	WG1496261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 05:20	WG1496261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 05:20	WG1496261
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 05:20	WG1496261
o-Xylene	U		0.000174	0.00100	1	06/21/2020 05:20	WG1496261
m&p-Xylene	0.000627	J	0.000430	0.00200	1	06/21/2020 05:20	WG1496261
Xylenes, Total	0.000627	J	0.000174	0.00300	1	06/21/2020 05:20	WG1496261
(S) Toluene-d8	*107*			*80.0-120*		*06/21/2020 05:20*	WG1496261
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*06/21/2020 05:20*	WG1496261
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*06/21/2020 05:20*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.07		0.0247	0.100	1	06/23/2020 09:08	WG1496548
(S) o-Terphenyl	*124*			*31.0-160*		*06/23/2020 09:08*	WG1496548

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	7460		28.2	100	1	06/23/2020 21:21	WG1496361

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:36	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1810		37.9	100	100	06/24/2020 22:42	WG1497335
Fluoride	3.40		0.0640	0.150	1	06/24/2020 22:27	WG1497335
Sulfate	3550		59.4	500	100	06/24/2020 22:42	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.195		0.000735	0.00200	1	06/25/2020 00:10	WG1495379
Arsenic,Dissolved	0.192		0.000735	0.00200	1	06/24/2020 19:55	WG1495348
Barium	0.0153	J	0.00778	0.0200	1	06/25/2020 00:10	WG1495379
Barium,Dissolved	0.0150	J	0.00778	0.0200	1	06/24/2020 19:55	WG1495348
Calcium	286		0.480	1.00	1	06/25/2020 00:10	WG1495379
Chromium	0.00159	J	0.00149	0.00200	1	06/25/2020 00:10	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 19:55	WG1495348
Iron	3.57		0.0489	0.100	1	06/25/2020 00:10	WG1495379
Iron,Dissolved	3.70		0.0489	0.100	1	06/24/2020 19:55	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 00:10	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 19:55	WG1495348
Manganese	0.653		0.00132	0.00500	1	06/25/2020 00:10	WG1495379
Manganese,Dissolved	0.725		0.00132	0.00500	1	06/24/2020 19:55	WG1495348
Potassium	5.65		0.534	2.00	1	06/25/2020 00:10	WG1495379
Selenium	0.00116	J	0.000657	0.00200	1	06/25/2020 00:10	WG1495379
Selenium,Dissolved	0.00136	J	0.000657	0.00200	1	06/24/2020 19:55	WG1495348
Sodium	2040		3.15	10.0	5	06/25/2020 13:13	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.959		0.0314	0.100	1	06/22/2020 07:38	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*95.0*			*78.0-120*		*06/22/2020 07:38*	WG1496530

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 05:40	WG1496261
Benzene	U		0.0000941	0.00100	1	06/21/2020 05:40	WG1496261
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 05:40	WG1496261
Bromoform	U		0.000129	0.00100	1	06/21/2020 05:40	WG1496261
Bromomethane	U		0.000605	0.00500	1	06/21/2020 05:40	WG1496261
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 05:40	WG1496261
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 05:40	WG1496261
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 05:40	WG1496261
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 05:40	WG1496261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 05:40	WG1496261
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 05:40	WG1496261
Chloroethane	U		0.000192	0.00500	1	06/21/2020 05:40	WG1496261
Chloroform	U		0.000111	0.00500	1	06/21/2020 05:40	WG1496261
Chloromethane	U		0.000960	0.00250	1	06/21/2020 05:40	WG1496261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 05:40	WG1496261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 05:40	WG1496261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 05:40	WG1496261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 05:40	WG1496261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 05:40	WG1496261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 05:40	WG1496261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 05:40	WG1496261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 05:40	WG1496261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 05:40	WG1496261
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 05:40	WG1496261
Isopropylbenzene	0.000800	J	0.000105	0.00100	1	06/21/2020 05:40	WG1496261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 05:40	WG1496261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 05:40	WG1496261
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 05:40	WG1496261
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 05:40	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 05:40	WG1496261
Methyl tert-butyl ether	0.000812	J	0.000101	0.00100	1	06/21/2020 05:40	WG1496261
Naphthalene	U		0.00100	0.00500	1	06/21/2020 05:40	WG1496261
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 05:40	WG1496261
Styrene	U		0.000118	0.00100	1	06/21/2020 05:40	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 05:40	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 05:40	WG1496261
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 05:40	WG1496261
Toluene	U		0.000278	0.00100	1	06/21/2020 05:40	WG1496261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 05:40	WG1496261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 05:40	WG1496261
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 05:40	WG1496261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 05:40	WG1496261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 05:40	WG1496261
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 05:40	WG1496261
o-Xylene	U		0.000174	0.00100	1	06/21/2020 05:40	WG1496261
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 05:40	WG1496261
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 05:40	WG1496261
(S) Toluene-d8	*104*			*80.0-120*		*06/21/2020 05:40*	WG1496261
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*06/21/2020 05:40*	WG1496261
(S) 1,2-Dichloroethane-d4	*94.8*			*70.0-130*		*06/21/2020 05:40*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.01		0.0247	0.100	1	06/23/2020 00:58	WG1496548
(S) o-Terphenyl	*109*			*31.0-160*		*06/23/2020 00:58*	WG1496548

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	6630		28.2	100	1	06/23/2020 21:21	WG1496361

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:38	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2000		37.9	100	100	06/24/2020 23:12	WG1497335
Fluoride	1.20		0.0640	0.150	1	06/24/2020 22:57	WG1497335
Sulfate	2670		59.4	500	100	06/24/2020 23:12	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0158		0.000735	0.00200	1	06/25/2020 00:14	WG1495379
Arsenic,Dissolved	0.0163		0.000735	0.00200	1	06/24/2020 20:08	WG1495348
Barium	0.0135	J	0.00778	0.0200	1	06/25/2020 00:14	WG1495379
Barium,Dissolved	0.0139	J	0.00778	0.0200	1	06/24/2020 20:08	WG1495348
Calcium	345		0.480	1.00	1	06/25/2020 00:14	WG1495379
Chromium	0.00168	J	0.00149	0.00200	1	06/25/2020 00:14	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 20:08	WG1495348
Iron	1.86		0.0489	0.100	1	06/25/2020 00:14	WG1495379
Iron,Dissolved	1.99		0.0489	0.100	1	06/24/2020 20:08	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 00:14	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 20:08	WG1495348
Manganese	0.384		0.00132	0.00500	1	06/25/2020 00:14	WG1495379
Manganese,Dissolved	0.421		0.00132	0.00500	1	06/24/2020 20:08	WG1495348
Potassium	3.28		0.534	2.00	1	06/25/2020 00:14	WG1495379
Selenium	U		0.000657	0.00200	1	06/25/2020 00:14	WG1495379
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 20:08	WG1495348
Sodium	1560		3.15	10.0	5	06/25/2020 13:17	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.240		0.0314	0.100	1	06/22/2020 07:58	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*92.0*			*78.0-120*		*06/22/2020 07:58*	WG1496530

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 06:00	WG1496261
Benzene	U		0.0000941	0.00100	1	06/21/2020 06:00	WG1496261
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 06:00	WG1496261
Bromoform	U		0.000129	0.00100	1	06/21/2020 06:00	WG1496261
Bromomethane	U		0.000605	0.00500	1	06/21/2020 06:00	WG1496261
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 06:00	WG1496261
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 06:00	WG1496261
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 06:00	WG1496261
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 06:00	WG1496261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 06:00	WG1496261
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 06:00	WG1496261
Chloroethane	U		0.000192	0.00500	1	06/21/2020 06:00	WG1496261
Chloroform	U		0.000111	0.00500	1	06/21/2020 06:00	WG1496261
Chloromethane	U		0.000960	0.00250	1	06/21/2020 06:00	WG1496261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 06:00	WG1496261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 06:00	WG1496261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 06:00	WG1496261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 06:00	WG1496261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 06:00	WG1496261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 06:00	WG1496261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 06:00	WG1496261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 06:00	WG1496261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 06:00	WG1496261
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 06:00	WG1496261
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 06:00	WG1496261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 06:00	WG1496261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 06:00	WG1496261
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 06:00	WG1496261
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 06:00	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 06:00	WG1496261
Methyl tert-butyl ether	0.000858	J	0.000101	0.00100	1	06/21/2020 06:00	WG1496261
Naphthalene	U		0.00100	0.00500	1	06/21/2020 06:00	WG1496261
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 06:00	WG1496261
Styrene	U		0.000118	0.00100	1	06/21/2020 06:00	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 06:00	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 06:00	WG1496261
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 06:00	WG1496261
Toluene	U		0.000278	0.00100	1	06/21/2020 06:00	WG1496261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 06:00	WG1496261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 06:00	WG1496261
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 06:00	WG1496261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 06:00	WG1496261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 06:00	WG1496261
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 06:00	WG1496261
o-Xylene	U		0.000174	0.00100	1	06/21/2020 06:00	WG1496261
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 06:00	WG1496261
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 06:00	WG1496261
(S) Toluene-d8	*109*			*80.0-120*		*06/21/2020 06:00*	WG1496261
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*06/21/2020 06:00*	WG1496261
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*06/21/2020 06:00*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.928		0.0247	0.100	1	06/23/2020 01:23	WG1496548
(S) o-Terphenyl	*101*			*31.0-160*		*06/23/2020 01:23*	WG1496548

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	12600		56.4	200	1	06/23/2020 21:21	WG1496361

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:43	WG1495505

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	06/25/2020 22:20	WG1498827

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	5120		37.9	100	100	06/24/2020 23:42	WG1497335
Fluoride	2.01		0.320	0.750	5	06/24/2020 23:27	WG1497335
Sulfate	4510		59.4	500	100	06/24/2020 23:42	WG1497335

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/22/2020 19:03	WG1495458
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 20:52	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.958		0.0254	0.200	1	06/25/2020 12:13	WG1495365
Boron,Dissolved	0.980		0.0254	0.200	1	06/25/2020 12:28	WG1495344

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0630		0.000735	0.00200	1	06/25/2020 00:17	WG1495379
Arsenic,Dissolved	0.0537		0.000735	0.00200	1	06/24/2020 20:11	WG1495348
Barium	0.0160	J	0.00778	0.0200	1	06/25/2020 00:17	WG1495379
Barium,Dissolved	0.0180	J	0.00778	0.0200	1	06/24/2020 20:11	WG1495348
Cadmium	U		0.000478	0.00100	1	06/25/2020 00:17	WG1495379
Cadmium,Dissolved	U		0.000478	0.00100	1	06/24/2020 20:11	WG1495348
Calcium	665		0.480	1.00	1	06/25/2020 00:17	WG1495379
Chromium	0.00323		0.00149	0.00200	1	06/25/2020 00:17	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 20:11	WG1495348
Cobalt	0.00175	J	0.000477	0.00200	1	06/25/2020 00:17	WG1495379
Cobalt,Dissolved	0.00167	J	0.000477	0.00200	1	06/24/2020 20:11	WG1495348
Iron	4.76		0.0489	0.100	1	06/25/2020 00:17	WG1495379
Iron,Dissolved	3.53		0.0489	0.100	1	06/24/2020 20:11	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 00:17	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 20:11	WG1495348
Manganese	1.88		0.00132	0.00500	1	06/25/2020 00:17	WG1495379
Manganese,Dissolved	2.00		0.00132	0.00500	1	06/24/2020 20:11	WG1495348
Nickel	0.0670		0.000952	0.00200	1	06/25/2020 00:17	WG1495379
Nickel,Dissolved	0.0379		0.000952	0.00200	1	06/24/2020 20:11	WG1495348

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	8.85		0.534	2.00	1	06/25/2020 00:17	WG1495379
Selenium	0.00134	J	0.000657	0.00200	1	06/25/2020 00:17	WG1495379
Selenium,Dissolved	0.00187	J	0.000657	0.00200	1	06/24/2020 20:11	WG1495348
Sodium	3440		3.15	10.0	5	06/25/2020 13:21	WG1495379
Uranium	U		0.00754	0.0200	1	06/25/2020 00:17	WG1495379
Uranium,Dissolved	U		0.00754	0.0200	1	06/24/2020 20:11	WG1495348
Vanadium	U		0.000986	0.00500	1	06/25/2020 00:17	WG1495379
Vanadium,Dissolved	U		0.000986	0.00500	1	06/24/2020 20:11	WG1495348

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.419		0.0314	0.100	1	06/22/2020 08:19	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*93.3*			*78.0-120*		*06/22/2020 08:19*	WG1496530

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 06:21	WG1496261
Benzene	U		0.0000941	0.00100	1	06/21/2020 06:21	WG1496261
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 06:21	WG1496261
Bromoform	U		0.000129	0.00100	1	06/21/2020 06:21	WG1496261
Bromomethane	U		0.000605	0.00500	1	06/21/2020 06:21	WG1496261
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 06:21	WG1496261
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 06:21	WG1496261
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 06:21	WG1496261
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 06:21	WG1496261
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 06:21	WG1496261
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 06:21	WG1496261
Chloroethane	U		0.000192	0.00500	1	06/21/2020 06:21	WG1496261
Chloroform	U		0.000111	0.00500	1	06/21/2020 06:21	WG1496261
Chloromethane	U		0.000960	0.00250	1	06/21/2020 06:21	WG1496261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 06:21	WG1496261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 06:21	WG1496261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 06:21	WG1496261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 06:21	WG1496261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 06:21	WG1496261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 06:21	WG1496261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 06:21	WG1496261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 06:21	WG1496261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 06:21	WG1496261
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 06:21	WG1496261
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 06:21	WG1496261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 06:21	WG1496261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 06:21	WG1496261
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 06:21	WG1496261
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 06:21	WG1496261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 06:21	WG1496261
Methyl tert-butyl ether	0.00275		0.000101	0.00100	1	06/21/2020 06:21	WG1496261
Naphthalene	U		0.00100	0.00500	1	06/21/2020 06:21	WG1496261
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 06:21	WG1496261
Styrene	U		0.000118	0.00100	1	06/21/2020 06:21	WG1496261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 06:21	WG1496261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 06:21	WG1496261
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 06:21	WG1496261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Toluene	U		0.000278	0.00100	1	06/21/2020 06:21	WG1496261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 06:21	WG1496261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 06:21	WG1496261
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 06:21	WG1496261
1,2,4-Trimethylbenzene	0.000366	J	0.000322	0.00100	1	06/21/2020 06:21	WG1496261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 06:21	WG1496261
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 06:21	WG1496261
o-Xylene	U		0.000174	0.00100	1	06/21/2020 06:21	WG1496261
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 06:21	WG1496261
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 06:21	WG1496261
(S) Toluene-d8	*107*			*80.0-120*		*06/21/2020 06:21*	WG1496261
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*06/21/2020 06:21*	WG1496261
(S) 1,2-Dichloroethane-d4	*92.0*			*70.0-130*		*06/21/2020 06:21*	WG1496261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.19		0.0247	0.100	1	06/23/2020 01:49	WG1496548
(S) o-Terphenyl	*107*			*31.0-160*		*06/23/2020 01:49*	WG1496548

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	12500		56.4	200	1	06/23/2020 21:21	WG1496361

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:44	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	4070		37.9	100	100	06/25/2020 00:12	WG1497335
Fluoride	1.41		0.0640	0.150	1	06/24/2020 23:57	WG1497335
Sulfate	4840		59.4	500	100	06/25/2020 00:12	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00424		0.000735	0.00200	1	06/25/2020 00:20	WG1495379
Arsenic,Dissolved	0.00454		0.000735	0.00200	1	06/24/2020 20:15	WG1495348
Barium	0.0145	J	0.00778	0.0200	1	06/25/2020 00:20	WG1495379
Barium,Dissolved	0.0162	J	0.00778	0.0200	1	06/24/2020 20:15	WG1495348
Calcium	596		0.480	1.00	1	06/25/2020 00:20	WG1495379
Chromium	0.00174	J	0.00149	0.00200	1	06/25/2020 00:20	WG1495379
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 20:15	WG1495348
Iron	0.0502	J	0.0489	0.100	1	06/25/2020 00:20	WG1495379
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 20:15	WG1495348
Lead	U		0.0124	0.0250	5	06/25/2020 13:24	WG1495379
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 20:15	WG1495348
Manganese	2.65		0.00132	0.00500	1	06/25/2020 00:20	WG1495379
Manganese,Dissolved	3.02		0.00132	0.00500	1	06/24/2020 20:15	WG1495348
Potassium	20.7		0.534	2.00	1	06/25/2020 00:20	WG1495379
Selenium	U		0.000657	0.00200	1	06/25/2020 00:20	WG1495379
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 20:15	WG1495348
Sodium	2690		3.15	10.0	5	06/25/2020 13:24	WG1495379

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 08:39	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*92.4*			*78.0-120*		*06/22/2020 08:39*	WG1496530

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/21/2020 19:18	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 19:18	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 19:18	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 19:18	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 19:18	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 19:18	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 19:18	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 19:18	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 19:18	WG1496570

Received by OCD: 11/22/2022 9:46:04 AM

MW-67
Collected date/time: 06/16/20 15:45
L1230681

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 19:18	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 19:18	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 19:18	WG1496570
Chloroform	U		0.000111	0.00500	1	06/21/2020 19:18	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 19:18	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 19:18	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 19:18	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 19:18	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 19:18	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 19:18	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 19:18	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 19:18	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 19:18	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 19:18	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 19:18	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 19:18	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 19:18	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 19:18	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 19:18	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 19:18	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 19:18	WG1496570
Methyl tert-butyl ether	0.000725	J	0.000101	0.00100	1	06/21/2020 19:18	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 19:18	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 19:18	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 19:18	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 19:18	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 19:18	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 19:18	WG1496570
Toluene	U		0.000278	0.00100	1	06/21/2020 19:18	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 19:18	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 19:18	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 19:18	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 19:18	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 19:18	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 19:18	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 19:18	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 19:18	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 19:18	WG1496570
(S) Toluene-d8	*104*			*80.0-120*		*06/21/2020 19:18*	WG1496570
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/21/2020 19:18*	WG1496570
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*06/21/2020 19:18*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.260		0.0247	0.100	1	06/23/2020 02:15	WG1496548
(S) o-Terphenyl	*93.7*			*31.0-160*		*06/23/2020 02:15*	WG1496548

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

MW-18A
Collected date/time: 06/16/20 16:30

SAMPLE RESULTS - 15

L1230681

ONE LAB. NATIONWIDE.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	15500		56.4	200	1	06/23/2020 21:21	WG1496361

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:47	WG1495505

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	06/25/2020 22:21	WG1498827

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	5140		37.9	100	100	06/25/2020 01:12	WG1497335
Fluoride	2.52		0.320	0.750	5	06/25/2020 00:57	WG1497335
Sulfate	5780		59.4	500	100	06/25/2020 01:12	WG1497335

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/22/2020 19:05	WG1495458
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 20:54	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	1.88		0.0254	0.200	1	06/25/2020 10:01	WG1495366
Boron,Dissolved	1.92		0.0254	0.200	1	06/25/2020 12:31	WG1495344

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00419	J	0.00368	0.0100	5	06/25/2020 13:17	WG1495380
Arsenic,Dissolved	0.00447		0.000735	0.00200	1	06/24/2020 20:19	WG1495348
Barium	U	J5	0.0389	0.100	5	06/25/2020 13:17	WG1495380
Barium,Dissolved	0.0168	J	0.00778	0.0200	1	06/24/2020 20:19	WG1495348
Cadmium	U		0.00239	0.00500	5	06/25/2020 13:17	WG1495380
Cadmium,Dissolved	U		0.000478	0.00100	1	06/24/2020 20:19	WG1495348
Calcium	574		2.40	5.00	5	06/25/2020 13:17	WG1495380
Chromium	U		0.00745	0.0100	5	06/25/2020 13:17	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 20:19	WG1495348
Cobalt	U		0.00238	0.0100	5	06/25/2020 13:17	WG1495380
Cobalt,Dissolved	U		0.000477	0.00200	1	06/24/2020 20:19	WG1495348
Iron	1.65		0.244	0.500	5	06/25/2020 13:17	WG1495380
Iron,Dissolved	1.74		0.0489	0.100	1	06/24/2020 20:19	WG1495348
Lead	U		0.0124	0.0250	5	06/25/2020 13:17	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 20:19	WG1495348
Manganese	1.13	O1 V	0.00660	0.0250	5	06/25/2020 13:17	WG1495380
Manganese,Dissolved	1.23		0.00132	0.00500	1	06/24/2020 20:19	WG1495348
Nickel	0.00735	J	0.00476	0.0100	5	06/25/2020 13:17	WG1495380
Nickel,Dissolved	0.00766		0.000952	0.00200	1	06/24/2020 20:19	WG1495348

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

MW-18A

SAMPLE RESULTS - 15

Collected date/time: 06/16/20 16:30

L1230681

ONE LAB. NATIONWIDE.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	33.6	O1	2.67	10.0	5	06/25/2020 13:17	WG1495380
Selenium	U		0.00328	0.0100	5	06/25/2020 13:17	WG1495380
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 20:19	WG1495348
Sodium	3030	O1 V	3.15	10.0	5	06/25/2020 13:17	WG1495380
Uranium	U	J5	0.0377	0.100	5	06/25/2020 13:17	WG1495380
Uranium,Dissolved	0.0258		0.00754	0.0200	1	06/24/2020 20:19	WG1495348
Vanadium	U		0.00493	0.0250	5	06/25/2020 13:17	WG1495380
Vanadium,Dissolved	U		0.000986	0.00500	1	06/24/2020 20:19	WG1495348

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 19:39	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 19:39	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 19:39	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 19:39	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 19:39	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 19:39	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 19:39	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 19:39	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 19:39	WG1496570
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 19:39	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 19:39	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 19:39	WG1496570
Chloroform	U		0.000111	0.00500	1	06/21/2020 19:39	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 19:39	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 19:39	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 19:39	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 19:39	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 19:39	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 19:39	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 19:39	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 19:39	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 19:39	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 19:39	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 19:39	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 19:39	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 19:39	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 19:39	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 19:39	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 19:39	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 19:39	WG1496570
Methyl tert-butyl ether	0.000734	J	0.000101	0.00100	1	06/21/2020 19:39	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 19:39	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 19:39	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 19:39	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 19:39	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 19:39	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 19:39	WG1496570
Toluene	U		0.000278	0.00100	1	06/21/2020 19:39	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 19:39	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 19:39	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 19:39	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 19:39	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 19:39	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 19:39	WG1496570

Released to Imaging: 11/22/2022 9:50:00 AM

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
o-Xylene	U		0.000174	0.00100	1	06/21/2020 19:39	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 19:39	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 19:39	WG1496570
(S) Toluene-d8	*104*			*80.0-120*		*06/21/2020 19:39*	WG1496570
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/21/2020 19:39*	WG1496570
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*06/21/2020 19:39*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.408		0.0247	0.100	1	06/23/2020 02:41	WG1496548
(S) o-Terphenyl	*98.9*			*31.0-160*		*06/23/2020 02:41*	WG1496548

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5360	J3	28.2	100	1	06/23/2020 22:49	WG1496362

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:48	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1400		37.9	100	100	06/25/2020 01:42	WG1497335
Fluoride	0.577		0.0640	0.150	1	06/25/2020 01:27	WG1497335
Sulfate	2510		59.4	500	100	06/25/2020 01:42	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0157		0.000735	0.00200	1	06/25/2020 13:31	WG1495380
Arsenic,Dissolved	0.0192		0.000735	0.00200	1	06/24/2020 20:22	WG1495348
Barium	0.0156	J	0.00778	0.0200	1	06/25/2020 13:31	WG1495380
Barium,Dissolved	0.0150	J	0.00778	0.0200	1	06/24/2020 20:22	WG1495348
Calcium	764		0.480	1.00	1	06/25/2020 13:31	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 13:31	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 20:22	WG1495348
Iron	4.07		0.0489	0.100	1	06/25/2020 13:31	WG1495380
Iron,Dissolved	3.48		0.0489	0.100	1	06/24/2020 20:22	WG1495348
Lead	U		0.00249	0.00500	1	06/25/2020 13:31	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 20:22	WG1495348
Manganese	0.257		0.00132	0.00500	1	06/25/2020 13:31	WG1495380
Manganese,Dissolved	0.257		0.00132	0.00500	1	06/24/2020 20:22	WG1495348
Potassium	5.22		0.534	2.00	1	06/25/2020 13:31	WG1495380
Selenium	U		0.000657	0.00200	1	06/25/2020 13:31	WG1495380
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 20:22	WG1495348
Sodium	764		0.630	2.00	1	06/25/2020 13:31	WG1495380

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.29		0.0314	0.100	1	06/22/2020 09:00	WG1496530
(S) a,a,a-Trifluorotoluene(FID)	*93.3*			*78.0-120*		*06/22/2020 09:00*	WG1496530

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 20:00	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 20:00	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 20:00	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 20:00	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 20:00	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 20:00	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 20:00	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 20:00	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 20:00	WG1496570

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 20:00	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 20:00	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 20:00	WG1496570
Chloroform	U		0.000111	0.00500	1	06/21/2020 20:00	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 20:00	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 20:00	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 20:00	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 20:00	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 20:00	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 20:00	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 20:00	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 20:00	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 20:00	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 20:00	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 20:00	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 20:00	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 20:00	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 20:00	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 20:00	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 20:00	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 20:00	WG1496570
Methyl tert-butyl ether	0.000119	J	0.000101	0.00100	1	06/21/2020 20:00	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 20:00	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 20:00	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 20:00	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 20:00	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 20:00	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 20:00	WG1496570
Toluene	U		0.000278	0.00100	1	06/21/2020 20:00	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 20:00	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 20:00	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 20:00	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 20:00	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 20:00	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 20:00	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 20:00	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 20:00	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 20:00	WG1496570
(S) Toluene-d8	*104*			*80.0-120*		*06/21/2020 20:00*	WG1496570
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*06/21/2020 20:00*	WG1496570
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*06/21/2020 20:00*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.833		0.0247	0.100	1	06/23/2020 03:07	WG1496548
(S) o-Terphenyl	*98.4*			*31.0-160*		*06/23/2020 03:07*	WG1496548

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	7780		56.4	200	1	06/23/2020 22:49	WG1496362

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/24/2020 19:49	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	3510		37.9	100	100	06/25/2020 02:11	WG1497335
Fluoride	1.01		0.320	0.750	5	06/25/2020 01:56	WG1497335
Sulfate	4500		59.4	500	100	06/25/2020 02:11	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.00368	0.0100	5	06/25/2020 13:34	WG1495380
Arsenic,Dissolved	0.00127	J	0.000735	0.00200	1	06/24/2020 20:26	WG1495348
Barium	U		0.0389	0.100	5	06/25/2020 13:34	WG1495380
Barium,Dissolved	0.0182	J	0.00778	0.0200	1	06/24/2020 20:26	WG1495348
Calcium	785		2.40	5.00	5	06/25/2020 13:34	WG1495380
Chromium	U		0.00745	0.0100	5	06/25/2020 13:34	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 20:26	WG1495348
Iron	6.01		0.244	0.500	5	06/25/2020 13:34	WG1495380
Iron,Dissolved	4.91		0.0489	0.100	1	06/24/2020 20:26	WG1495348
Lead	U		0.0124	0.0250	5	06/25/2020 13:34	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 20:26	WG1495348
Manganese	0.440		0.00660	0.0250	5	06/25/2020 13:34	WG1495380
Manganese,Dissolved	0.411		0.00132	0.00500	1	06/24/2020 20:26	WG1495348
Potassium	6.50	J	2.67	10.0	5	06/25/2020 13:34	WG1495380
Selenium	U		0.00328	0.0100	5	06/25/2020 13:34	WG1495380
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 20:26	WG1495348
Sodium	1700		3.15	10.0	5	06/25/2020 13:34	WG1495380

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 03:36	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*99.5*			*78.0-120*		*06/22/2020 03:36*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 20:20	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 20:20	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 20:20	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 20:20	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 20:20	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 20:20	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 20:20	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 20:20	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 20:20	WG1496570

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 20:20	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 20:20	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 20:20	WG1496570
Chloroform	U		0.000111	0.00500	1	06/21/2020 20:20	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 20:20	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 20:20	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 20:20	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 20:20	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 20:20	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 20:20	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 20:20	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 20:20	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 20:20	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 20:20	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 20:20	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 20:20	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 20:20	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 20:20	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 20:20	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 20:20	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 20:20	WG1496570
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 20:20	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 20:20	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 20:20	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 20:20	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 20:20	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 20:20	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 20:20	WG1496570
Toluene	U		0.000278	0.00100	1	06/21/2020 20:20	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 20:20	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 20:20	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 20:20	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 20:20	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 20:20	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 20:20	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 20:20	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 20:20	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 20:20	WG1496570
(S) Toluene-d8	*105*			*80.0-120*		*06/21/2020 20:20*	WG1496570
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/21/2020 20:20*	WG1496570
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*06/21/2020 20:20*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/23/2020 03:32	WG1496548
(S) o-Terphenyl	*85.3*			*31.0-160*		*06/23/2020 03:32*	WG1496548

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	6580		28.2	100	1	06/23/2020 22:49	WG1496362

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0594	J	0.0500	0.100	1	06/24/2020 19:50	WG1495505

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1950		37.9	100	100	06/25/2020 02:41	WG1497335
Fluoride	1.18		0.0640	0.150	1	06/25/2020 02:26	WG1497335
Sulfate	2600		59.4	500	100	06/25/2020 02:41	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0178		0.00368	0.0100	5	06/25/2020 13:37	WG1495380
Arsenic,Dissolved	0.0175		0.000735	0.00200	1	06/24/2020 20:30	WG1495348
Barium	U		0.0389	0.100	5	06/25/2020 13:37	WG1495380
Barium,Dissolved	0.0148	J	0.00778	0.0200	1	06/24/2020 20:30	WG1495348
Calcium	370		2.40	5.00	5	06/25/2020 13:37	WG1495380
Chromium	U		0.00745	0.0100	5	06/25/2020 13:37	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 20:30	WG1495348
Iron	2.25		0.244	0.500	5	06/25/2020 13:37	WG1495380
Iron,Dissolved	2.16		0.0489	0.100	1	06/24/2020 20:30	WG1495348
Lead	U		0.0124	0.0250	5	06/25/2020 13:37	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 20:30	WG1495348
Manganese	0.448		0.00660	0.0250	5	06/25/2020 13:37	WG1495380
Manganese,Dissolved	0.447		0.00132	0.00500	1	06/24/2020 20:30	WG1495348
Potassium	3.54	J	2.67	10.0	5	06/25/2020 13:37	WG1495380
Selenium	U		0.00328	0.0100	5	06/25/2020 13:37	WG1495380
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 20:30	WG1495348
Sodium	1550		3.15	10.0	5	06/25/2020 13:37	WG1495380

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.337		0.0314	0.100	1	06/22/2020 03:57	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*06/22/2020 03:57*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 20:41	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 20:41	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 20:41	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 20:41	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 20:41	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 20:41	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 20:41	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 20:41	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 20:41	WG1496570

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Collected date/time: 06/16/20 12:00
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 20:41	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 20:41	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 20:41	WG1496570
Chloroform	U		0.000111	0.00500	1	06/21/2020 20:41	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 20:41	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 20:41	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 20:41	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 20:41	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 20:41	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 20:41	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 20:41	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 20:41	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 20:41	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 20:41	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 20:41	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 20:41	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 20:41	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 20:41	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 20:41	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 20:41	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 20:41	WG1496570
Methyl tert-butyl ether	0.00113		0.000101	0.00100	1	06/21/2020 20:41	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 20:41	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 20:41	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 20:41	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 20:41	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 20:41	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 20:41	WG1496570
Toluene	U		0.000278	0.00100	1	06/21/2020 20:41	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 20:41	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 20:41	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 20:41	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 20:41	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 20:41	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 20:41	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 20:41	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 20:41	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 20:41	WG1496570
(S) Toluene-d8	*105*			*80.0-120*		*06/21/2020 20:41*	WG1496570
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/21/2020 20:41*	WG1496570
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*06/21/2020 20:41*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.915		0.0247	0.100	1	06/23/2020 03:58	WG1496548
(S) o-Terphenyl	*100*			*31.0-160*		*06/23/2020 03:58*	WG1496548

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	U		2.82	10.0	1	06/23/2020 22:49	WG1496362

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/23/2020 18:58	WG1496490

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	06/25/2020 02:56	WG1497335
Fluoride	U		0.0640	0.150	1	06/25/2020 02:56	WG1497335
Sulfate	U		0.594	5.00	1	06/25/2020 02:56	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	06/25/2020 13:41	WG1495380
Arsenic,Dissolved	U		0.000735	0.00200	1	06/24/2020 20:53	WG1495349
Barium	U		0.00778	0.0200	1	06/25/2020 13:41	WG1495380
Barium,Dissolved	U		0.00778	0.0200	1	06/24/2020 20:53	WG1495349
Calcium	U		0.480	1.00	1	06/25/2020 13:41	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 13:41	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 20:53	WG1495349
Iron	U		0.0489	0.100	1	06/25/2020 13:41	WG1495380
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 20:53	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 13:41	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 20:53	WG1495349
Manganese	U		0.00132	0.00500	1	06/25/2020 13:41	WG1495380
Manganese,Dissolved	U		0.00132	0.00500	1	06/24/2020 20:53	WG1495349
Potassium	U		0.534	2.00	1	06/25/2020 13:41	WG1495380
Selenium	U		0.000657	0.00200	1	06/25/2020 13:41	WG1495380
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 20:53	WG1495349
Sodium	U		0.630	2.00	1	06/25/2020 13:41	WG1495380

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0425	J	0.0314	0.100	1	06/22/2020 02:34	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*06/22/2020 02:34*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 17:35	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 17:35	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 17:35	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 17:35	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 17:35	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 17:35	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 17:35	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 17:35	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 17:35	WG1496570

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 17:35	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 17:35	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 17:35	WG1496570
Chloroform	0.000112	J	0.000111	0.00500	1	06/21/2020 17:35	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 17:35	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 17:35	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 17:35	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 17:35	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 17:35	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 17:35	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 17:35	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 17:35	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 17:35	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 17:35	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 17:35	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 17:35	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 17:35	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 17:35	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 17:35	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 17:35	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 17:35	WG1496570
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 17:35	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 17:35	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 17:35	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 17:35	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 17:35	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 17:35	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 17:35	WG1496570
Toluene	U		0.000278	0.00100	1	06/21/2020 17:35	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 17:35	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 17:35	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 17:35	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 17:35	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 17:35	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 17:35	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 17:35	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 17:35	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 17:35	WG1496570
(S) Toluene-d8	*106*			*80.0-120*		*06/21/2020 17:35*	WG1496570
(S) 4-Bromofluorobenzene	*94.3*			*77.0-126*		*06/21/2020 17:35*	WG1496570
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/21/2020 17:35*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/23/2020 04:24	WG1496548
(S) o-Terphenyl	*88.4*			*31.0-160*		*06/23/2020 04:24*	WG1496548

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	U		2.82	10.0	1	06/23/2020 22:49	WG1496362

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/23/2020 19:00	WG1496490

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	06/25/2020 03:11	WG1497335
Fluoride	U		0.0640	0.150	1	06/25/2020 03:11	WG1497335
Sulfate	U		0.594	5.00	1	06/25/2020 03:11	WG1497335

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	06/25/2020 13:58	WG1495380
Arsenic,Dissolved	U		0.000735	0.00200	1	06/24/2020 21:07	WG1495349
Barium	U		0.00778	0.0200	1	06/25/2020 13:58	WG1495380
Barium,Dissolved	U		0.00778	0.0200	1	06/24/2020 21:07	WG1495349
Calcium	U		0.480	1.00	1	06/25/2020 13:58	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 13:58	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 21:07	WG1495349
Iron	U		0.0489	0.100	1	06/25/2020 13:58	WG1495380
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 21:07	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 13:58	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 21:07	WG1495349
Manganese	U		0.00132	0.00500	1	06/25/2020 13:58	WG1495380
Manganese,Dissolved	U		0.00132	0.00500	1	06/24/2020 21:07	WG1495349
Potassium	U		0.534	2.00	1	06/25/2020 13:58	WG1495380
Selenium	U		0.000657	0.00200	1	06/25/2020 13:58	WG1495380
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 21:07	WG1495349
Sodium	1.64	J	0.630	2.00	1	06/25/2020 13:58	WG1495380

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 02:55	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*06/22/2020 02:55*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 17:56	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 17:56	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 17:56	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 17:56	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 17:56	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 17:56	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 17:56	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 17:56	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 17:56	WG1496570

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 17:56	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 17:56	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 17:56	WG1496570
Chloroform	0.000139	J	0.000111	0.00500	1	06/21/2020 17:56	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 17:56	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 17:56	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 17:56	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 17:56	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 17:56	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 17:56	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 17:56	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 17:56	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 17:56	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 17:56	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 17:56	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 17:56	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 17:56	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 17:56	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 17:56	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 17:56	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 17:56	WG1496570
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 17:56	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 17:56	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 17:56	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 17:56	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 17:56	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 17:56	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 17:56	WG1496570
Toluene	U		0.000278	0.00100	1	06/21/2020 17:56	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 17:56	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 17:56	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 17:56	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 17:56	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 17:56	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 17:56	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 17:56	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 17:56	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 17:56	WG1496570
(S) Toluene-d8	*106*			*80.0-120*		*06/21/2020 17:56*	WG1496570
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*06/21/2020 17:56*	WG1496570
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*06/21/2020 17:56*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/23/2020 04:50	WG1496548
(S) o-Terphenyl	*88.4*			*31.0-160*		*06/23/2020 04:50*	WG1496548

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	U		2.82	10.0	1	06/23/2020 22:49	WG1496362

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/23/2020 19:01	WG1496490

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	06/24/2020 03:28	WG1497346
Fluoride	U		0.0640	0.150	1	06/24/2020 03:28	WG1497346
Sulfate	U		0.594	5.00	1	06/24/2020 03:28	WG1497346

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	06/25/2020 14:01	WG1495380
Arsenic,Dissolved	U		0.000735	0.00200	1	06/24/2020 21:11	WG1495349
Barium	U		0.00778	0.0200	1	06/25/2020 14:01	WG1495380
Barium,Dissolved	U		0.00778	0.0200	1	06/24/2020 21:11	WG1495349
Calcium	U		0.480	1.00	1	06/25/2020 14:01	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 14:01	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 21:11	WG1495349
Iron	U		0.0489	0.100	1	06/25/2020 14:01	WG1495380
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 21:11	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 14:01	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 21:11	WG1495349
Manganese	U		0.00132	0.00500	1	06/25/2020 14:01	WG1495380
Manganese,Dissolved	U		0.00132	0.00500	1	06/24/2020 21:11	WG1495349
Potassium	U		0.534	2.00	1	06/25/2020 14:01	WG1495380
Selenium	U		0.000657	0.00200	1	06/25/2020 14:01	WG1495380
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 21:11	WG1495349
Sodium	U		0.630	2.00	1	06/25/2020 14:01	WG1495380

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 03:15	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*06/22/2020 03:15*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 18:17	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 18:17	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 18:17	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 18:17	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 18:17	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 18:17	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 18:17	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 18:17	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 18:17	WG1496570

Received by OCD: 11/22/2022 9:46:04 AM

LB-LT-03
Collected date/time: 06/16/20 15:05

SAMPLE RESULTS - 21

L1230681

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 18:17	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 18:17	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 18:17	WG1496570
Chloroform	0.000129	J	0.000111	0.00500	1	06/21/2020 18:17	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 18:17	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 18:17	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 18:17	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 18:17	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 18:17	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 18:17	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 18:17	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 18:17	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 18:17	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 18:17	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 18:17	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 18:17	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 18:17	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 18:17	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 18:17	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 18:17	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 18:17	WG1496570
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 18:17	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 18:17	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 18:17	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 18:17	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 18:17	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 18:17	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 18:17	WG1496570
Toluene	U		0.000278	0.00100	1	06/21/2020 18:17	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 18:17	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 18:17	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 18:17	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 18:17	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 18:17	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 18:17	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 18:17	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 18:17	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 18:17	WG1496570
(S) Toluene-d8	*105*			*80.0-120*		*06/21/2020 18:17*	WG1496570
(S) 4-Bromofluorobenzene	*96.6*			*77.0-126*		*06/21/2020 18:17*	WG1496570
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/21/2020 18:17*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/23/2020 05:15	WG1496548
(S) o-Terphenyl	*87.9*			*31.0-160*		*06/23/2020 05:15*	WG1496548

Released to Imaging: 11/22/2022 9:50:00 AM

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Collected date/time: 06/16/20 00:00

SAMPLE RESULTS - 22

L1230681

ONE LAB. NATIONWIDE.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/21/2020 16:54	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 16:54	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 16:54	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 16:54	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 16:54	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 16:54	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 16:54	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 16:54	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 16:54	WG1496570
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 16:54	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 16:54	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 16:54	WG1496570
Chloroform	U		0.000111	0.00500	1	06/21/2020 16:54	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 16:54	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 16:54	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 16:54	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 16:54	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 16:54	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 16:54	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 16:54	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 16:54	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 16:54	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 16:54	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 16:54	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 16:54	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 16:54	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 16:54	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 16:54	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 16:54	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 16:54	WG1496570
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 16:54	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 16:54	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 16:54	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 16:54	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 16:54	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 16:54	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 16:54	WG1496570
Toluene	U		0.000278	0.00100	1	06/21/2020 16:54	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 16:54	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 16:54	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 16:54	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 16:54	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 16:54	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 16:54	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 16:54	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 16:54	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 16:54	WG1496570
(S) Toluene-d8	*105*			*80.0-120*		*06/21/2020 16:54*	WG1496570
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*06/21/2020 16:54*	WG1496570
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*06/21/2020 16:54*	WG1496570

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Collected date/time: 06/16/20 00:00

SAMPLE RESULTS - 23

L1230681

ONE LAB. NATIONWIDE.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/21/2020 17:14	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 17:14	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 17:14	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 17:14	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 17:14	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 17:14	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 17:14	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 17:14	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 17:14	WG1496570
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 17:14	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 17:14	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 17:14	WG1496570
Chloroform	U		0.000111	0.00500	1	06/21/2020 17:14	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 17:14	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 17:14	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 17:14	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 17:14	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 17:14	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 17:14	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 17:14	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 17:14	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 17:14	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 17:14	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 17:14	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 17:14	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 17:14	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 17:14	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 17:14	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 17:14	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 17:14	WG1496570
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 17:14	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 17:14	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 17:14	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 17:14	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 17:14	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 17:14	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 17:14	WG1496570
Toluene	U		0.000278	0.00100	1	06/21/2020 17:14	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 17:14	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 17:14	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 17:14	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 17:14	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 17:14	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 17:14	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 17:14	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 17:14	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 17:14	WG1496570
(S) Toluene-d8	*104*			*80.0-120*		*06/21/2020 17:14*	WG1496570
(S) 4-Bromofluorobenzene	*98.8*			*77.0-126*		*06/21/2020 17:14*	WG1496570
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*06/21/2020 17:14*	WG1496570

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3542947-1 06/23/20 21:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1230681-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230681-01 06/23/20 21:21 • (DUP) R3542947-3 06/23/20 21:21

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3640	3560	1	2.22		5

L1230681-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1230681-15 06/23/20 21:21 • (DUP) R3542947-4 06/23/20 21:21

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	15500	15900	1	2.17		5

Laboratory Control Sample (LCS)

(LCS) R3542947-2 06/23/20 21:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8740	99.3	85.0-115	

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3543100-1 06/23/20 22:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1230681-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1230681-16 06/23/20 22:49 • (DUP) R3543100-3 06/23/20 22:49

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	5360	4110	1	26.4	J3	5

L1230685-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-01 06/23/20 22:49 • (DUP) R3543100-4 06/23/20 22:49

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2810	2760	1	1.80		5

Laboratory Control Sample (LCS)

(LCS) R3543100-2 06/23/20 22:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8680	98.6	85.0-115	

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3542599-1 06/24/20 19:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1230678-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1230678-05 06/24/20 19:14 • (DUP) R3542599-3 06/24/20 19:15

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

L1230681-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1230681-18 06/24/20 19:50 • (DUP) R3542599-7 06/24/20 19:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.0594	0.0682	1	13.8	J	20

Laboratory Control Sample (LCS)

(LCS) R3542599-2 06/24/20 19:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	3.97	99.3	90.0-110	

L1230681-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230681-08 06/24/20 19:30 • (MS) R3542599-4 06/24/20 19:31 • (MSD) R3542599-5 06/24/20 19:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	U	2.26	2.27	90.4	90.8	1	90.0-110			0.442	20

L1230681-14 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230681-14 06/24/20 19:44 • (MS) R3542599-6 06/24/20 19:45

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	U	2.47	98.8	1	90.0-110	

Method Blank (MB)

(MB) R3542063-1 06/23/20 18:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1227600-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1227600-03 06/23/20 18:53 • (DUP) R3542063-3 06/23/20 18:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3542063-2 06/23/20 18:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	4.27	107	90.0-110	

L1230885-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230885-01 06/23/20 19:06 • (MS) R3542063-4 06/23/20 19:07 • (MSD) R3542063-5 06/23/20 19:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.141	3.05	3.08	116	118	1	90.0-110	J5	J5	0.979	20

Method Blank (MB)

(MB) R3543143-1 06/25/20 22:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1230655-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1230655-02 06/25/20 22:17 • (DUP) R3543143-3 06/25/20 22:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1230685-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-24 06/25/20 22:34 • (DUP) R3543143-6 06/25/20 22:37

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3543143-2 06/25/20 22:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.103	103	90.0-110	

L1230685-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-02 06/25/20 22:25 • (MS) R3543143-4 06/25/20 22:26 • (MSD) R3543143-5 06/25/20 22:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0841	0.0852	84.1	85.2	1	75.0-125			1.30	20

L1230685-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-25 06/25/20 22:38 • (MS) R3543143-7 06/25/20 22:39 • (MSD) R3543143-8 06/25/20 22:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0877	0.0944	87.7	94.4	1	75.0-125			7.36	20

Method Blank (MB)

(MB) R3542695-1 06/24/20 15:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1230681-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230681-01 06/24/20 16:28 • (DUP) R3542695-3 06/24/20 17:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	1.55	1.56	1	0.734		15

L1230681-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230681-01 06/24/20 16:43 • (DUP) R3542695-4 06/24/20 18:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	669	685	100	2.30		15
Sulfate	1670	1730	100	3.28		15

L1230681-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1230681-19 06/25/20 02:56 • (DUP) R3542695-7 06/25/20 04:56

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

Laboratory Control Sample (LCS)

(LCS) R3542695-2 06/24/20 15:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.5	98.8	80.0-120	
Fluoride	8.00	8.11	101	80.0-120	
Sulfate	40.0	40.2	101	80.0-120	

Received by OCD: 11/22/2022 9:46:04 AM

L1230681-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230681-02 06/24/20 16:58 • (MS) R3542695-5 06/24/20 18:57 • (MSD) R3542695-6 06/24/20 19:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	1270	1250	1260	0.000	0.000	1	80.0-120	E V	E V	0.167	15
Fluoride	5.00	2.90	7.38	7.40	89.6	90.1	1	80.0-120			0.291	15
Sulfate	50.0	2490	2430	2430	0.000	0.000	1	80.0-120	E V	E V	0.00842	15

L1230681-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230681-20 06/25/20 03:11 • (MS) R3542695-8 06/25/20 05:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	U	50.2	100	1	80.0-120	
Fluoride	5.00	U	5.03	101	1	80.0-120	
Sulfate	50.0	U	50.7	101	1	80.0-120	

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Method Blank (MB)

(MB) R3542446-1 06/23/20 19:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1230674-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230674-01 06/23/20 23:14 • (DUP) R3542446-3 06/23/20 23:29

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	61.0	61.0	1	0.127		15
Fluoride	0.105	0.102	1	2.42	J	15

L1230678-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1230678-06 06/24/20 02:58 • (DUP) R3542446-6 06/24/20 03:13

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

L1230674-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230674-01 06/24/20 10:43 • (DUP) R3542446-8 06/24/20 11:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	156	154	5	1.33		15

Laboratory Control Sample (LCS)

(LCS) R3542446-2 06/23/20 19:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.0	97.6	80.0-120	
Fluoride	8.00	7.96	99.5	80.0-120	
Sulfate	40.0	39.7	99.3	80.0-120	

L1230674-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230674-02 06/23/20 23:44 • (MS) R3542446-4 06/23/20 23:59 • (MSD) R3542446-5 06/24/20 00:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	63.8	112	112	95.7	96.0	1	80.0-120	E	E	0.142	15
Fluoride	5.00	0.123	5.09	5.12	99.3	99.9	1	80.0-120			0.537	15
Sulfate	50.0	159	198	199	78.5	79.2	1	80.0-120	E J6	E J6	0.178	15

L1230681-21 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230681-21 06/24/20 03:28 • (MS) R3542446-7 06/24/20 03:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	U	50.0	99.9	1	80.0-120	
Fluoride	5.00	U	4.99	99.9	1	80.0-120	
Sulfate	50.0	U	50.4	101	1	80.0-120	

Method Blank (MB)

(MB) R3541143-1 06/21/20 20:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3541143-2 06/21/20 20:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00335	112	80.0-120	

L1230687-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230687-05 06/21/20 20:38 • (MS) R3541143-3 06/21/20 20:40 • (MSD) R3541143-4 06/21/20 20:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00246	0.00247	82.0	82.2	1	75.0-125			0.166	20

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Method Blank (MB)

(MB) R3541598-1 06/22/20 18:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3541598-2 06/22/20 18:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00282	94.0	80.0-120	

L1230821-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230821-06 06/22/20 18:36 • (MS) R3541598-3 06/22/20 18:38 • (MSD) R3541598-4 06/22/20 18:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00284	0.00312	94.7	104	1	75.0-125			9.53	20

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

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3542922-1 06/25/20 11:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3542922-2 06/25/20 11:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	1.02	102	80.0-120	

L1230685-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-22 06/25/20 11:51 • (MS) R3542922-4 06/25/20 11:57 • (MSD) R3542922-5 06/25/20 12:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.184	1.21	1.22	103	103	1	75.0-125			0.380	20

Method Blank (MB)

(MB) R3542944-1 06/25/20 10:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3542944-2 06/25/20 11:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.955	95.5	80.0-120	

L1230669-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230669-05 06/25/20 11:04 • (MS) R3542944-4 06/25/20 11:09 • (MSD) R3542944-5 06/25/20 11:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.0282	1.01	1.00	97.9	97.3	1	75.0-125			0.622	20

Method Blank (MB)

(MB) R3542943-1 06/25/20 09:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3542943-2 06/25/20 09:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.945	94.5	80.0-120	

L1230687-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230687-05 06/25/20 09:49 • (MS) R3542943-4 06/25/20 09:55 • (MSD) R3542943-5 06/25/20 09:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	2.08	3.00	3.02	92.7	94.0	1	75.0-125			0.448	20

Method Blank (MB)

(MB) R3542586-1 06/24/20 18:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Cadmium,Dissolved	U		0.000478	0.00100
Chromium,Dissolved	U		0.00149	0.00200
Cobalt,Dissolved	U		0.000477	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Nickel,Dissolved	U		0.000952	0.00200
Selenium,Dissolved	U		0.000657	0.00200
Uranium,Dissolved	U		0.00754	0.0200
Vanadium,Dissolved	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3542586-2 06/24/20 18:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0512	102	80.0-120	
Barium,Dissolved	0.0500	0.0487	97.3	80.0-120	
Cadmium,Dissolved	0.0500	0.0504	101	80.0-120	
Chromium,Dissolved	0.0500	0.0521	104	80.0-120	
Cobalt,Dissolved	0.0500	0.0534	107	80.0-120	
Iron,Dissolved	5.00	5.22	104	80.0-120	
Lead,Dissolved	0.0500	0.0488	97.6	80.0-120	
Manganese,Dissolved	0.0500	0.0518	104	80.0-120	
Nickel,Dissolved	0.0500	0.0530	106	80.0-120	
Selenium,Dissolved	0.0500	0.0500	100	80.0-120	
Uranium,Dissolved	0.0500	0.0479	95.8	80.0-120	
Vanadium,Dissolved	0.0500	0.0515	103	80.0-120	

L1230678-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230678-05 06/24/20 18:45 • (MS) R3542586-4 06/24/20 18:53 • (MSD) R3542586-5 06/24/20 18:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00635	0.0536	0.0540	94.6	95.3	1	75.0-125			0.720	20
Barium,Dissolved	0.0500	0.0173	0.0642	0.0689	93.9	103	1	75.0-125			6.96	20
Cadmium,Dissolved	0.0500	U	0.0487	0.0501	97.3	100	1	75.0-125			2.81	20

L1230678-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230678-05 06/24/20 18:45 • (MS) R3542586-4 06/24/20 18:53 • (MSD) R3542586-5 06/24/20 18:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	0.00568	0.0533	0.0531	95.2	94.9	1	75.0-125			0.278	20
Cobalt,Dissolved	0.0500	0.000499	0.0476	0.0483	94.2	95.6	1	75.0-125			1.56	20
Iron,Dissolved	5.00	0.157	4.90	4.95	95.0	95.9	1	75.0-125			1.00	20
Lead,Dissolved	0.0500	U	0.0496	0.0493	99.2	98.6	1	75.0-125			0.547	20
Manganese,Dissolved	0.0500	1.24	1.27	1.28	71.9	86.2	1	75.0-125	V		0.558	20
Nickel,Dissolved	0.0500	0.0364	0.0832	0.0842	93.4	95.5	1	75.0-125			1.22	20
Selenium,Dissolved	0.0500	U	0.0540	0.0514	108	103	1	75.0-125			4.97	20
Uranium,Dissolved	0.0500	U	0.0501	0.0498	100	99.5	1	75.0-125			0.683	20
Vanadium,Dissolved	0.0500	U	0.0480	0.0491	96.0	98.1	1	75.0-125			2.22	20

Method Blank (MB)

(MB) R3542614-1 06/24/20 20:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Chromium,Dissolved	U		0.00149	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Selenium,Dissolved	U		0.000657	0.00200

Laboratory Control Sample (LCS)

(LCS) R3542614-2 06/24/20 20:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0487	97.3	80.0-120	
Barium,Dissolved	0.0500	0.0494	98.9	80.0-120	
Chromium,Dissolved	0.0500	0.0499	99.7	80.0-120	
Iron,Dissolved	5.00	4.95	99.1	80.0-120	
Lead,Dissolved	0.0500	0.0502	100	80.0-120	
Manganese,Dissolved	0.0500	0.0492	98.4	80.0-120	
Selenium,Dissolved	0.0500	0.0527	105	80.0-120	

L1230681-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230681-19 06/24/20 20:53 • (MS) R3542614-4 06/24/20 21:00 • (MSD) R3542614-5 06/24/20 21:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	U	0.0493	0.0489	98.6	97.8	1	75.0-125			0.894	20
Barium,Dissolved	0.0500	U	0.0489	0.0500	97.7	100	1	75.0-125			2.29	20
Chromium,Dissolved	0.0500	U	0.0513	0.0508	103	102	1	75.0-125			0.922	20
Iron,Dissolved	5.00	U	5.04	5.03	101	101	1	75.0-125			0.348	20
Lead,Dissolved	0.0500	U	0.0499	0.0501	99.7	100	1	75.0-125			0.502	20
Manganese,Dissolved	0.0500	U	0.0513	0.0505	103	101	1	75.0-125			1.44	20
Selenium,Dissolved	0.0500	U	0.0532	0.0520	106	104	1	75.0-125			2.21	20

Method Blank (MB)

(MB) R3542682-1 06/25/20 00:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

Method Blank (MB)

(MB) R3542883-1 06/25/20 11:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Sodium	U		0.630	2.00

Laboratory Control Sample (LCS)

(LCS) R3542682-2 06/25/20 00:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0466	93.1	80.0-120	
Barium	0.0500	0.0470	94.0	80.0-120	
Cadmium	0.0500	0.0497	99.5	80.0-120	
Calcium	5.00	4.70	94.0	80.0-120	
Chromium	0.0500	0.0483	96.5	80.0-120	
Cobalt	0.0500	0.0493	98.6	80.0-120	
Iron	5.00	4.85	97.0	80.0-120	
Lead	0.0500	0.0493	98.6	80.0-120	
Manganese	0.0500	0.0462	92.4	80.0-120	
Nickel	0.0500	0.0490	98.0	80.0-120	
Potassium	5.00	4.61	92.2	80.0-120	
Selenium	0.0500	0.0473	94.6	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3542682-2 06/25/20 00:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Uranium	0.0500	0.0471	94.1	80.0-120	
Vanadium	0.0500	0.0460	92.1	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3542883-2 06/25/20 11:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sodium	5.00	4.97	99.3	80.0-120	

L1230678-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230678-01 06/25/20 00:38 • (MS) R3542682-4 06/25/20 00:45 • (MSD) R3542682-5 06/25/20 00:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00632	0.0526	0.0511	92.5	89.6	1	75.0-125			2.80	20
Barium	0.0500	0.0169	0.0628	0.0625	91.8	91.2	1	75.0-125			0.475	20
Cadmium	0.0500	U	0.0505	0.0498	101	99.6	1	75.0-125			1.28	20
Calcium	5.00	305	305	305	2.46	6.31	1	75.0-125	V	V	0.0632	20
Chromium	0.0500	0.103	0.147	0.146	87.9	86.3	1	75.0-125			0.537	20
Cobalt	0.0500	0.00217	0.0481	0.0466	91.9	88.9	1	75.0-125			3.19	20
Potassium	5.00	U	4.80	4.76	96.0	95.2	1	75.0-125			0.874	20
Iron	5.00	0.455	5.16	5.08	94.1	92.4	1	75.0-125			1.62	20
Lead	0.0500	U	0.0465	0.0489	93.1	97.8	1	75.0-125			4.91	20
Manganese	0.0500	1.17	1.21	1.19	77.2	40.4	1	75.0-125		V	1.54	20
Nickel	0.0500	0.127	0.157	0.156	59.9	57.6	1	75.0-125	J6	J6	0.736	20
Selenium	0.0500	0.000712	0.0505	0.0507	99.5	100	1	75.0-125			0.585	20
Uranium	0.0500	U	0.0491	0.0499	98.3	99.8	1	75.0-125			1.54	20
Vanadium	0.0500	U	0.0469	0.0455	93.7	91.1	1	75.0-125			2.91	20

L1230678-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230678-01 06/25/20 11:29 • (MS) R3542883-5 06/25/20 11:40 • (MSD) R3542883-6 06/25/20 11:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sodium	5.00	284	286	289	47.6	98.4	1	75.0-125	V		0.883	20

Method Blank (MB)

(MB) R3542965-1 06/25/20 13:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3542965-2 06/25/20 13:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0491	98.2	80.0-120	
Barium	0.0500	0.0498	99.5	80.0-120	
Cadmium	0.0500	0.0533	107	80.0-120	
Calcium	5.00	5.02	100	80.0-120	
Chromium	0.0500	0.0524	105	80.0-120	
Cobalt	0.0500	0.0519	104	80.0-120	
Iron	5.00	5.37	107	80.0-120	
Lead	0.0500	0.0490	98.1	80.0-120	
Manganese	0.0500	0.0513	103	80.0-120	
Nickel	0.0500	0.0541	108	80.0-120	
Potassium	5.00	4.92	98.4	80.0-120	
Selenium	0.0500	0.0493	98.7	80.0-120	
Sodium	5.00	5.17	103	80.0-120	
Uranium	0.0500	0.0496	99.2	80.0-120	
Vanadium	0.0500	0.0515	103	80.0-120	

Received by OCD: 11/22/2022 9:46:04 AM

L1230681-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230681-15 06/25/20 13:17 • (MS) R3542965-4 06/25/20 13:24 • (MSD) R3542965-5 06/25/20 13:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0100	0.00419	0.0505	0.0499	92.6	91.5	5	75.0-125			1.09	20
Barium	0.0100	U	0.0644	0.0648	129	130	5	75.0-125	J5	J5	0.540	20
Cadmium	0.0100	U	0.0510	0.0498	102	99.7	5	75.0-125			2.37	20
Calcium	1.00	574	593	610	375	726	5	75.0-125	V	V	2.92	20
Chromium	0.0100	U	0.0508	0.0516	102	103	5	75.0-125			1.52	20
Cobalt	0.0100	U	0.0475	0.0473	95.0	94.6	5	75.0-125			0.446	20
Potassium	1.00	33.6	38.4	39.5	95.9	119	5	75.0-125			2.92	20
Iron	1.00	1.65	6.33	6.56	93.6	98.3	5	75.0-125			3.69	20
Lead	0.0100	U	0.0453	0.0450	90.6	89.9	5	75.0-125			0.692	20
Manganese	0.0100	1.13	1.22	1.25	180	251	5	75.0-125	V	V	2.87	20
Nickel	0.0100	0.00735	0.0555	0.0569	96.3	99.1	5	75.0-125			2.43	20
Selenium	0.0100	U	0.0481	0.0540	96.2	108	5	75.0-125			11.6	20
Sodium	1.00	3030	3160	3290	2500	5120	5	75.0-125	V	V	4.05	20
Uranium	0.0100	U	0.0715	0.0723	143	145	5	75.0-125	J5	J5	1.12	20
Vanadium	0.0100	U	0.0484	0.0483	96.9	96.7	5	75.0-125			0.217	20

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3542864-3 06/22/20 01:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*93.2*			*78.0-120*

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

(LCS) R3542864-1 06/22/20 00:03 • (LCSD) R3542864-2 06/22/20 00:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	4.44	5.23	80.7	95.1	72.0-127			16.3	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*107*	*78.0-120*				

Method Blank (MB)

(MB) R3542955-2 06/21/20 23:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3542955-1 06/21/20 22:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.33	115	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*78.0-120*	

L1230685-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-16 06/22/20 08:45 • (MS) R3542955-3 06/22/20 09:26 • (MSD) R3542955-4 06/22/20 09:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	55.0	5.15	59.2	60.7	98.3	101	10	10.0-160			2.50	22
(S) a,a,a-Trifluorotoluene(FID)					*100*	*103*		*78.0-120*				

Method Blank (MB)

(MB) R3541999-2 06/21/20 00:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Method Blank (MB)

(MB) R3541999-2 06/21/20 00:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3541999-1 06/20/20 23:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0247	98.8	19.0-160	
Benzene	0.00500	0.00449	89.8	70.0-123	
Bromodichloromethane	0.00500	0.00455	91.0	75.0-120	
Bromoform	0.00500	0.00500	100	68.0-132	
Bromomethane	0.00500	0.00545	109	10.0-160	
n-Butylbenzene	0.00500	0.00381	76.2	73.0-125	
sec-Butylbenzene	0.00500	0.00423	84.6	75.0-125	
Carbon disulfide	0.00500	0.00407	81.4	61.0-128	
Carbon tetrachloride	0.00500	0.00465	93.0	68.0-126	
Chlorobenzene	0.00500	0.00522	104	80.0-121	
Chlorodibromomethane	0.00500	0.00527	105	77.0-125	
Chloroethane	0.00500	0.00480	96.0	47.0-150	
Chloroform	0.00500	0.00435	87.0	73.0-120	
Chloromethane	0.00500	0.00427	85.4	41.0-142	
1,2-Dibromoethane	0.00500	0.00538	108	80.0-122	
1,1-Dichloroethane	0.00500	0.00468	93.6	70.0-126	
1,2-Dichloroethane	0.00500	0.00485	97.0	70.0-128	
1,1-Dichloroethene	0.00500	0.00477	95.4	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00487	97.4	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00475	95.0	73.0-120	
1,2-Dichloropropane	0.00500	0.00448	89.6	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00422	84.4	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00423	84.6	78.0-124	

Laboratory Control Sample (LCS)

(LCS) R3541999-1 06/20/20 23:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00497	99.4	79.0-123	
2-Hexanone	0.0250	0.0231	92.4	67.0-149	
Isopropylbenzene	0.00500	0.00460	92.0	76.0-127	
p-Isopropyltoluene	0.00500	0.00429	85.8	76.0-125	
2-Butanone (MEK)	0.0250	0.0251	100	44.0-160	
Methylene Chloride	0.00500	0.00477	95.4	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0252	101	68.0-142	
Methyl tert-butyl ether	0.00500	0.00353	70.6	68.0-125	
Naphthalene	0.00500	0.00450	90.0	54.0-135	
n-Propylbenzene	0.00500	0.00408	81.6	77.0-124	
Styrene	0.00500	0.00451	90.2	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00530	106	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00414	82.8	65.0-130	
Tetrachloroethene	0.00500	0.00547	109	72.0-132	
Toluene	0.00500	0.00457	91.4	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00467	93.4	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00521	104	80.0-120	
Trichloroethene	0.00500	0.00549	110	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00401	80.2	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00407	81.4	76.0-122	
Vinyl chloride	0.00500	0.00453	90.6	67.0-131	
Xylenes, Total	0.0150	0.0148	98.7	79.0-123	
o-Xylene	0.00500	0.00470	94.0	80.0-122	
m&p-Xylenes	0.0100	0.0101	101	80.0-122	
(S) Toluene-d8			*106*	*80.0-120*	
(S) 4-Bromofluorobenzene			*102*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*94.3*	*70.0-130*	

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3542570-2 06/21/20 15:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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Method Blank (MB)

(MB) R3542570-2 06/21/20 15:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3542570-1 06/21/20 14:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0362	145	19.0-160	
Benzene	0.00500	0.00507	101	70.0-123	
Bromodichloromethane	0.00500	0.00490	98.0	75.0-120	
Bromoform	0.00500	0.00415	83.0	68.0-132	
Bromomethane	0.00500	0.00456	91.2	10.0-160	
n-Butylbenzene	0.00500	0.00424	84.8	73.0-125	
sec-Butylbenzene	0.00500	0.00436	87.2	75.0-125	
Carbon disulfide	0.00500	0.00441	88.2	61.0-128	
Carbon tetrachloride	0.00500	0.00461	92.2	68.0-126	
Chlorobenzene	0.00500	0.00492	98.4	80.0-121	
Chlorodibromomethane	0.00500	0.00467	93.4	77.0-125	
Chloroethane	0.00500	0.00499	99.8	47.0-150	
Chloroform	0.00500	0.00491	98.2	73.0-120	
Chloromethane	0.00500	0.00586	117	41.0-142	
1,2-Dibromoethane	0.00500	0.00500	100	80.0-122	
1,1-Dichloroethane	0.00500	0.00584	117	70.0-126	
1,2-Dichloroethane	0.00500	0.00557	111	70.0-128	
1,1-Dichloroethene	0.00500	0.00466	93.2	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00491	98.2	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00470	94.0	73.0-120	
1,2-Dichloropropane	0.00500	0.00588	118	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00501	100	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00464	92.8	78.0-124	

Laboratory Control Sample (LCS)

(LCS) R3542570-1 06/21/20 14:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00453	90.6	79.0-123	
2-Hexanone	0.0250	0.0320	128	67.0-149	
Isopropylbenzene	0.00500	0.00413	82.6	76.0-127	
p-Isopropyltoluene	0.00500	0.00442	88.4	76.0-125	
2-Butanone (MEK)	0.0250	0.0373	149	44.0-160	
Methylene Chloride	0.00500	0.00498	99.6	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0326	130	68.0-142	
Methyl tert-butyl ether	0.00500	0.00510	102	68.0-125	
Naphthalene	0.00500	0.00532	106	54.0-135	
n-Propylbenzene	0.00500	0.00447	89.4	77.0-124	
Styrene	0.00500	0.00459	91.8	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00473	94.6	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00514	103	65.0-130	
Tetrachloroethene	0.00500	0.00421	84.2	72.0-132	
Toluene	0.00500	0.00471	94.2	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00465	93.0	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00496	99.2	80.0-120	
Trichloroethene	0.00500	0.00539	108	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00428	85.6	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00431	86.2	76.0-122	
Vinyl chloride	0.00500	0.00514	103	67.0-131	
Xylenes, Total	0.0150	0.0135	90.0	79.0-123	
o-Xylene	0.00500	0.00445	89.0	80.0-122	
m&p-Xylenes	0.0100	0.00900	90.0	80.0-122	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*100*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*110*	*70.0-130*	

Method Blank (MB)

(MB) R3542707-1 06/24/20 20:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*85.5*			*31.0-160*

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

(LCS) R3542707-2 06/24/20 20:30 • (LCSD) R3542707-3 06/24/20 20:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.51	1.55	101	103	50.0-150			2.61	20
(S) o-Terphenyl				*100*	*103*	*31.0-160*				

Method Blank (MB)

(MB) R3541749-1 06/22/20 23:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*87.5*			*31.0-160*

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

(LCS) R3541749-2 06/23/20 00:06 • (LCSD) R3541749-3 06/23/20 00:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.55	1.53	103	102	50.0-150			1.30	20
(S) o-Terphenyl				*105*	*103*	*31.0-160*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
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.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* 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 National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
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	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

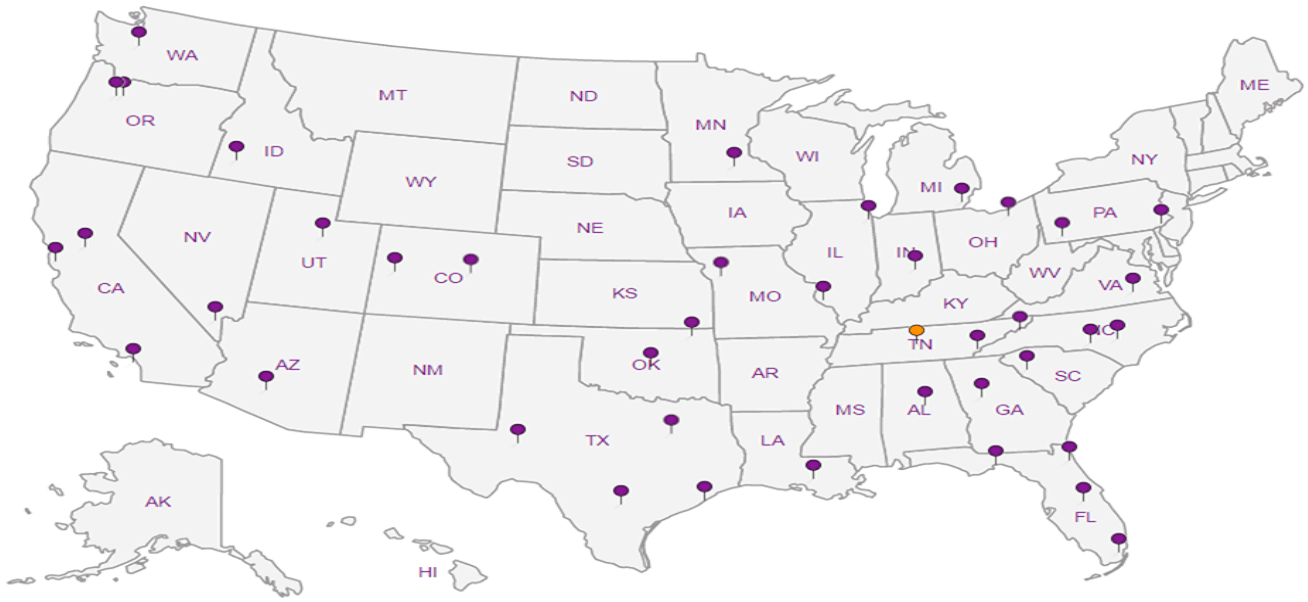
Third Party Federal Accreditations

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **EP Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-EP**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **EP (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 6

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123681
1079

Acctnum: TRCATX
Template: T133265
Prelogin: P763440
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-6A	Grab	GW		6/16/20	1055	10	X	X	X	X	X	X						01
MW-85	Grab	GW				10	X	X	X	X	X	X						
MW-86	Grab	GW				11	X	X	X		X	X	X	X				
MW-120	Grab	GW		6/16/20	1145	10	X	X	X	X	X	X						02
MW-121	Grab	GW		6/16/20	1230	10	X	X	X	X	X	X						03
MW-84	Grab	GW				10	X	X	X	X	X	X						
MW-122	Grab	GW				10	X	X	X	X	X	X						
MW-81	Grab	GW				10	X	X	X	X	X	X						
MW-80	Grab	GW				10	X	X	X	X	X	X						
MW-79	Grab	GW				10	X	X	X	X	X	X						

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
Scott Ude	6/17/20	0800		X2
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 18.8 °C Bottles Received: 1,6-2=8 2DB+2TB
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845

If preservation required by Login: Date/Time
HCl

Hold:

Condition: NCF / OK

Received by OCD: 11/22/2022 9:46:04 AM

Chain of Custody Page 2 of 6

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1230681

Table #

Acctnum: TRCATX

Template: T133265

Prelogin: P763440

TSR: 526

PB:

Shipped Via:

Company Info	Billing Information	Pres Chk
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com	

Report to: Julie Speer	Email To: jspeer@trccompanies.com		
Project Description: EP Spring 2020		City/State Collected: Artesia, NM	
Phone: 512-684-3170 Fax:	Client Project # 330538.0000.0000	Lab Project # TRCATX-EP	
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # EP (Navajo - Artesia)	P.O. # 150726	
Collected by (signature): Scott Ude 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	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-82	Grab	GW				10	X	X	X	X	X	X						
MW-74	Grab	GW		6/16/20	1315	10	X	X	X	X	X	X						04
MW-73	Grab	GW		6/16/20	1420	10	X	X	X	X	X	X						05
MW-2A	Grab	GW				10	X	X	X	X	X	X						
MW-72	Grab	GW		6/16/20	1650	10	X	X	X	X	X	X						06
OCD-6	Grab	GW		6/16/20	1605	10	X	X	X	X	X	X						07
OCD-7AR	Grab	GW		6/16/20	1510	10	X	X	X	X	X	X						09
MW-76	Grab	GW				10	X	X	X	X	X	X						
MW-77	Grab	GW				10	X	X	X	X	X	X						
MW-78	Grab	GW				10	X	X	X	X	X	X						

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

Remarks:
Dissolved metals field-filtered.

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

	Date:	Time:	
Relinquished by: (Signature) Scott Ude	6/17/20	0800	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
x2

Temp: NP 1.3 °C Bottles Received: 208 +213
1.0-0=.8

If preservation required by Login: Date/Time
HCl

Date: 6/18/20 Time: 0845

Hold:

Condition: NCF / OK

Released to Imaging: 11/22/2022 9:50:00 AM

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **EP Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-EP**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **EP (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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

Chain of Custody Page 3 of 3

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1230631

Table #

Acctnum: TRCATX
Template: T133265
Prelogin: P763440
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-75	Grab	GW				10	X	X	X	X	X	X						
MW-83	Grab	GW				10	X	X	X	X	X	X						
MW-3	Grab	GW				10	X	X	X	X	X	X						
MW-88	Grab	GW		6/16/20	1725	10	X	X	X	X	X	X						09
MW-22A	Grab	GW				10	X	X	X	X	X	X						
MW-10	Grab	GW				10	X	X	X	X	X	X						
MW-123	Grab	GW				10	X	X	X	X	X	X						
MW-4A	Grab	GW		6/16/20	1555	10	X	X	X	X	X	X						10
MW-5A	Grab	GW		6/16/20	1450	10	X	X	X	X	X	X						11
MW-7A	Grab	GW		6/16/20	1345	10	X	X	X	X	X	X						12

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
Scott Ude	6/17/20	0800		x2
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.3 °C Bottles Received: 1.0-2=.8 206+2TB#21
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **EP Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-EP**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **EP (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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 4 of 6

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1230681

Table #

Acctnum: TRCATX

Template: T133265

Prelogin: P763440

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
OCD-8A	Grab	GW		6/16/20	1250	11	X	X	X		X	X	X	X				13
MW-1R	Grab	GW				8	X	X		X	X	X						
MW-15	Grab	GW				10	X	X	X	X	X	X						
OCD-1R	Grab	GW				10	X	X	X	X	X	X						
OCD-2A	Grab	GW				10	X	X	X	X	X	X						
OCD-3	Grab	GW				10	X	X	X	X	X	X						
OCD-4	Grab	GW				10	X	X	X	X	X	X						
MW-11A	Grab	GW				10	X	X	X	X	X	X						
OCD-5	Grab	GW				10	X	X	X	X	X	X						
MW-87	Grab	GW		6/16/20	1545	8	X	X		X	X	X						14

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

Remarks:
Dissolved metals field-filtered.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: ✓ __N
Bottles arrive intact: ✓ __N
Correct bottles used: ✓ __N
Sufficient Volume sent: ✓ __N
If Applicable
VOA Zero Headspace: ✓ __N
Preservation Correct/Checked: __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
Scott Ude	6/17/20	0800		x2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.0-.2=.8 °C	Bottles Received: 208+2TB HCl
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20	Time: 0845

Hold: | Condition: NCF / OK

FID SCREEN: <0.5 mg/kg

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **EP Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-EP**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **EP (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-18A	Grab	GW		6/16/20	1630	9	X	X			X	X	X	X				15
MW-70	Grab	GW		6/16/20	1800	10	X	X	X	X	X	X						16
MW-124	Grab	GW		6/16/20	1710	10	X	X	X	X	X	X						17
DUP-EP-01	Grab	GW		6/16/20	1200	10	X	X	X	X	X	X						18
DUP-EP-02	Grab	GW				10	X	X	X	X	X	X						
DUP-EP-03	Grab	GW		~~6/16/20~~	~~1330~~	10	X	X	X	X	X	X						
EB-EP-01	Grab	GW		6/16/20	1330	10	X	X	X	X	X	X						19
EB-EP-02	Grab	GW		6/16/20	1725	10	X	X	X	X	X	X						20
EB-EP-03	Grab	GW		6/16/20	1505	10	X	X	X	X	X	X						21
EB-EP-04	Grab	GW				10	X	X	X	X	X	X						

Analysis / Container / Preservative: 2, 2, 2, 2, 2, 2, 7/2

Chain of Custody Page 5 of 6

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 230621

Table #

Acctnum: TRCATX
Template: T133265
Prelogin: P763440
TSR: 526
PB:

Shipped Via:

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	6/17/20	0800	
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

Temp: 1.0-2.8 °C Bottles Received: 2DB+2TB

If preservation required by Login: Date/Time
HCl

Date: 6/18/20 Time: 0845

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **EP Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170** Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-EP**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **EP (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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 6 of 6

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1230681

Table #

Acctnum: TRCATX

Template: T133265

Prelogin: P763440

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
										42	42	42	42	912 ✓				
Trip Blank-EP-01	Grab	GW				1	X											
Trip Blank-EP-02	Grab	GW		6/16/20	—	1	X											22
Trip Blank-EP-03	Grab	GW				1	X											
Trip Blank-EP-04	Grab	GW		6/16/20	—	1	X											24

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

Remarks:
Dissolved metals field-filtered.

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: N
Preservation Correct/Checked: Y N
RAD SCREEN: <0.5 mR/hr

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	6/17/20	0800	
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

Temp: 1.4/1.3 °C Bottles Received: 1.0-0=8 2x6 +2TB#C1

Date: 6/18/20 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

Tracking #	Corresponding Temp.
4492 6229 7130	1.0 - .2 = 0.8 MP A3
↓ 6230 6815	3.2 ± 0 = 3.2 HM A2
1203 5785 6018	1.8 ± 0 = 1.8 HM A2
1203 5786 0856	1.1 ± 0 = 1.1 HM A2
4492 6230 1310	0.9 ± 0 = 0.9
16635756 9559	1.1 ± 0 = 1.1
4492 6230 6859	0.4 ± 0 = 0.4
8098 2926 7587	1.7 ± 0 = 1.7
↓ ↓ 8790	1.1 ± 0 = 1.1
1203 5785 6030	1.3 ± 0 = 1.3
4492 6230 1331	0.4 ± 0 = 0.4
↓ ↓ 1309	2.3 ± 0 = 2.3
1663 5756 9560	3.0 ± 0 = 3.0
↓ ↓ 9570	0.6 ± 0 = 0.6
4492 6230 1310	0.7 ± 0 = 0.7

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Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

February 04, 2021

Revised Report

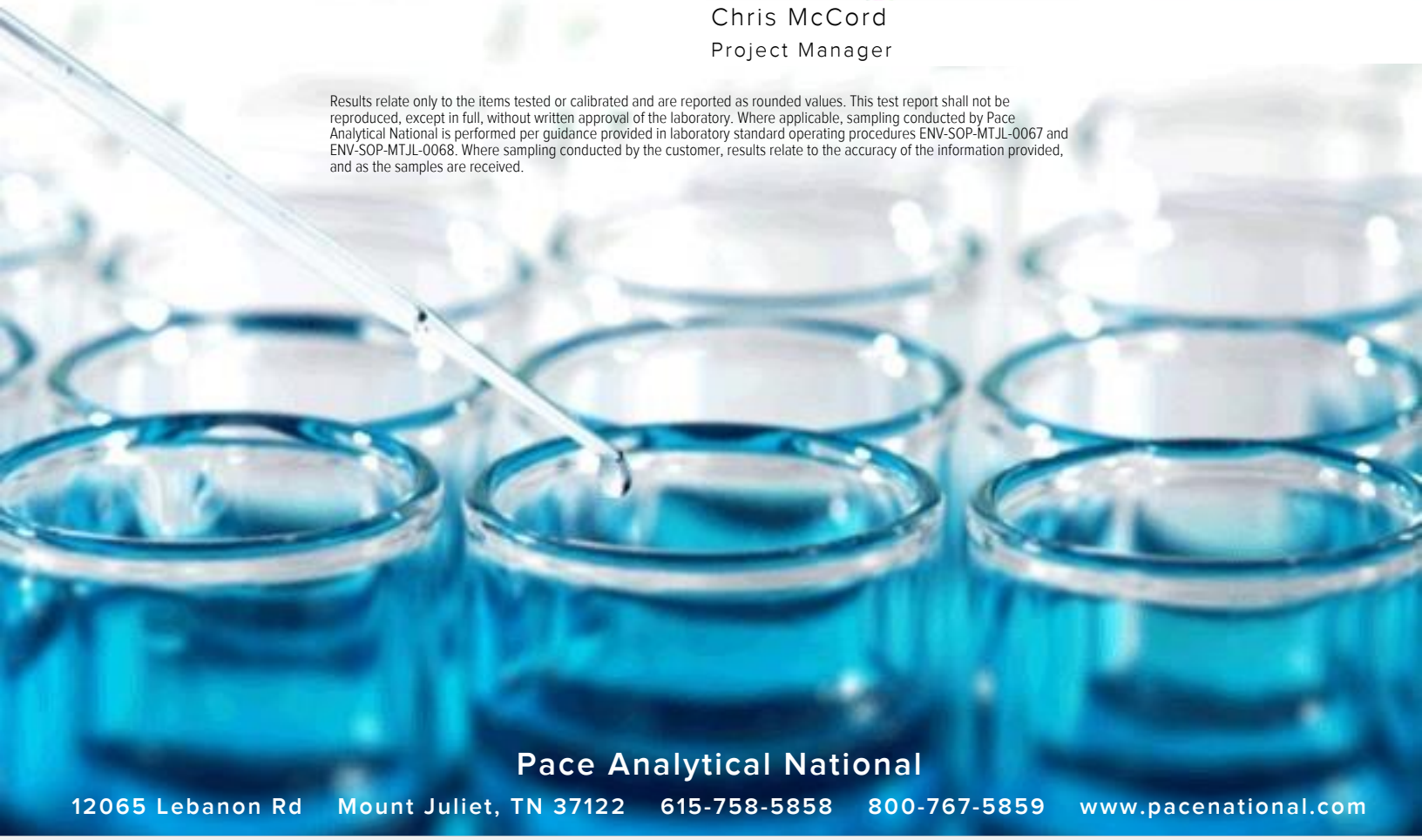
TRC Solutions - Austin, TX

Sample Delivery Group:	L1230685
Samples Received:	06/18/2020
Project Number:	330538.0000.0000
Description:	REST Spring 2020
Site:	REST (NAVAJO-ARTESIA)
Report To:	Julie Speer
	505 E. Huntland Dr, Ste 250
	Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

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



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

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KWB-7 L1230685-01 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 13:30
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496362	1	06/23/20 18:41	06/23/20 22:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	1	06/26/20 18:08	06/26/20 18:08	JER	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	1	06/25/20 15:00	06/25/20 22:22	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 02:38	06/25/20 02:38	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	20	06/25/20 03:12	06/25/20 03:12	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1495163	1	06/19/20 07:47	06/21/20 21:51	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 20:55	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495344	1	06/25/20 09:02	06/25/20 12:34	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495366	1	06/25/20 06:36	06/25/20 10:05	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 21:15	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 14:05	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 21:02	06/21/20 21:02	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 05:41	CAG	Mt. Juliet, TN

KWB-11A L1230685-02 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 14:25
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496362	1	06/23/20 18:41	06/23/20 22:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	1	06/26/20 18:10	06/26/20 18:10	JER	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	1	06/25/20 15:00	06/25/20 22:25	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 03:46	06/25/20 03:46	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	50	06/25/20 04:03	06/25/20 04:03	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1495163	1	06/19/20 07:47	06/21/20 21:53	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 20:57	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495344	1	06/25/20 09:02	06/25/20 12:38	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495366	1	06/25/20 06:36	06/25/20 10:08	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 21:18	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 14:12	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 04:17	06/22/20 04:17	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 21:22	06/21/20 21:22	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 06:07	CAG	Mt. Juliet, TN

KWB-11B L1230685-03 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 15:15
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496362	1	06/23/20 18:41	06/23/20 22:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	1	06/26/20 18:11	06/26/20 18:11	JER	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	1	06/25/20 15:00	06/25/20 22:28	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 04:20	06/25/20 04:20	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	100	06/25/20 04:36	06/25/20 04:36	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1495163	1	06/19/20 07:47	06/21/20 22:03	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 20:59	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495344	1	06/25/20 09:02	06/25/20 12:42	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495366	1	06/25/20 06:36	06/25/20 10:12	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 21:31	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 14:15	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 04:38	06/22/20 04:38	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 21:43	06/21/20 21:43	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 20:17	KME	Mt. Juliet, TN

MW-115 L1230685-04 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 09:20
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496362	1	06/23/20 18:41	06/23/20 22:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	1	06/26/20 18:13	06/26/20 18:13	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 05:27	06/25/20 05:27	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	100	06/25/20 05:44	06/25/20 05:44	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 21:34	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 14:19	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 04:58	06/22/20 04:58	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 22:04	06/21/20 22:04	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 20:43	CAG	Mt. Juliet, TN

MW-114 L1230685-05 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 10:20
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496362	1	06/23/20 18:41	06/23/20 22:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	1	06/26/20 18:14	06/26/20 18:14	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 06:01	06/25/20 06:01	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	100	06/25/20 06:18	06/25/20 06:18	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 21:38	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 14:22	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 05:19	06/22/20 05:19	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 22:24	06/21/20 22:24	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 07:24	CAG	Mt. Juliet, TN

MW-117 L1230685-06 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 11:15
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496362	1	06/23/20 18:41	06/23/20 22:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	1	06/26/20 18:21	06/26/20 18:21	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 06:35	06/25/20 06:35	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	100	06/25/20 06:52	06/25/20 06:52	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 21:41	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 14:25	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 05:39	06/22/20 05:39	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 22:45	06/21/20 22:45	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 07:50	CAG	Mt. Juliet, TN

MW-118 L1230685-07 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 10:20
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496362	1	06/23/20 18:41	06/23/20 22:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	1	06/26/20 18:23	06/26/20 18:23	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 07:09	06/25/20 07:09	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	100	06/25/20 07:26	06/25/20 07:26	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 21:45	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 14:29	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 06:00	06/22/20 06:00	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 23:05	06/21/20 23:05	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 08:16	CAG	Mt. Juliet, TN

MW-119 L1230685-08 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 09:45
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496362	1	06/23/20 18:41	06/23/20 22:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	1	06/26/20 18:24	06/26/20 18:24	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 07:42	06/25/20 07:42	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	100	06/25/20 07:59	06/25/20 07:59	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 21:49	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 14:49	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 06:21	06/22/20 06:21	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496570	1	06/21/20 23:26	06/21/20 23:26	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496548	1	06/22/20 00:14	06/23/20 08:42	CAG	Mt. Juliet, TN

MW-126A L1230685-09 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 15:05
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496362	1	06/23/20 18:41	06/23/20 22:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	1	06/26/20 18:25	06/26/20 18:25	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 08:50	06/25/20 08:50	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	50	06/25/20 09:07	06/25/20 09:07	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 21:53	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 14:52	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 06:41	06/22/20 06:41	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	1	06/21/20 16:21	06/21/20 16:21	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 03:08	CAG	Mt. Juliet, TN

MW-126B L1230685-10 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 14:25
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497357	1	06/23/20 19:19	06/23/20 23:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	1	06/26/20 18:26	06/26/20 18:26	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 09:24	06/25/20 09:24	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	100	06/25/20 18:22	06/25/20 18:22	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 21:56	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 14:56	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 07:02	06/22/20 07:02	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	1	06/21/20 16:40	06/21/20 16:40	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 03:34	CAG	Mt. Juliet, TN

MW-131 L1230685-11 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 13:20
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497357	1	06/23/20 19:19	06/23/20 23:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	1	06/26/20 18:28	06/26/20 18:28	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 09:58	06/25/20 09:58	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	10	06/25/20 10:48	06/25/20 10:48	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 22:00	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 14:59	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 07:23	06/22/20 07:23	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499237	50	06/25/20 20:36	06/25/20 20:36	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 04:00	CAG	Mt. Juliet, TN

MW-57 L1230685-12 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 15:25
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497357	1	06/23/20 19:19	06/23/20 23:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	5	06/26/20 18:29	06/26/20 18:29	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	10	06/25/20 11:05	06/25/20 11:05	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	100	06/25/20 11:22	06/25/20 11:22	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 22:04	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 15:02	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 07:43	06/22/20 07:43	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	1	06/21/20 16:59	06/21/20 16:59	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 04:26	CAG	Mt. Juliet, TN

KWB-12A L1230685-13 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 13:05
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497357	1	06/23/20 19:19	06/23/20 23:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	5	06/26/20 18:31	06/26/20 18:31	JER	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	1	06/25/20 15:00	06/25/20 22:29	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 19:13	06/25/20 19:13	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	100	06/25/20 12:30	06/25/20 12:30	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1495163	1	06/19/20 07:47	06/21/20 22:05	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 21:01	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495344	1	06/25/20 09:02	06/25/20 12:45	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495366	1	06/25/20 06:36	06/25/20 10:20	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 22:15	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495380	1	06/24/20 12:00	06/25/20 14:45	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 08:04	06/22/20 08:04	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	1	06/21/20 17:18	06/21/20 17:18	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 04:52	CAG	Mt. Juliet, TN

KWB-12B L1230685-14 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 13:55
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497357	1	06/23/20 19:19	06/23/20 23:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	5	06/26/20 18:36	06/26/20 18:36	JER	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	1	06/25/20 15:00	06/25/20 22:30	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 19:30	06/25/20 19:30	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	100	06/25/20 13:04	06/25/20 13:04	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1495163	1	06/19/20 07:47	06/21/20 22:07	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 21:03	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495344	1	06/25/20 09:02	06/25/20 12:48	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495366	1	06/25/20 06:36	06/25/20 10:24	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 22:18	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 19:31	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 08:24	06/22/20 08:24	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	1	06/21/20 17:37	06/21/20 17:37	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 05:18	CAG	Mt. Juliet, TN

KWB-13 L1230685-15 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/16/20 17:55 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497357	1	06/23/20 19:19	06/23/20 23:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	5	06/26/20 18:38	06/26/20 18:38	JER	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	1	06/25/20 15:00	06/25/20 22:31	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 19:46	06/25/20 19:46	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	100	06/25/20 13:38	06/25/20 13:38	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1495163	1	06/19/20 07:47	06/21/20 22:09	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 21:11	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495344	1	06/25/20 09:02	06/25/20 12:57	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495366	1	06/25/20 06:36	06/25/20 10:27	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 22:22	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 23:38	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 19:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	1	06/21/20 17:56	06/21/20 17:56	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 05:44	CAG	Mt. Juliet, TN

MW-103 L1230685-16 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/16/20 13:10 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497357	1	06/23/20 19:19	06/23/20 23:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	10	06/26/20 18:39	06/26/20 18:39	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 20:03	06/25/20 20:03	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	100	06/25/20 14:11	06/25/20 14:11	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 23:42	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 19:49	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	5	06/24/20 11:47	06/25/20 20:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	10	06/22/20 08:45	06/22/20 08:45	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	20	06/21/20 21:07	06/21/20 21:07	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 06:10	CAG	Mt. Juliet, TN

MW-104 L1230685-17 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/16/20 14:15 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497357	1	06/23/20 19:19	06/23/20 23:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	5	06/26/20 18:40	06/26/20 18:40	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 14:28	06/25/20 14:28	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	10	06/25/20 15:50	06/25/20 15:50	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495349	1	06/24/20 12:27	06/24/20 23:45	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 20:06	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1496563	1	06/22/20 09:05	06/22/20 09:05	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	1	06/21/20 18:16	06/21/20 18:16	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 06:36	CAG	Mt. Juliet, TN

MW-64 L1230685-18 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/16/20 15:30 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497357	1	06/23/20 19:19	06/23/20 23:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	2	06/26/20 18:41	06/26/20 18:41	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 16:24	06/25/20 16:24	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	10	06/25/20 16:57	06/25/20 16:57	ELN	Mt. Juliet, TN

MW-64 L1230685-18 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 15:30
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 13:58	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 20:09	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497608	100	06/24/20 18:41	06/24/20 18:41	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	500	06/21/20 22:04	06/21/20 22:04	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 07:02	CAG	Mt. Juliet, TN

MW-102 L1230685-19 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 16:50
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497357	1	06/23/20 19:19	06/23/20 23:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	1	06/26/20 18:43	06/26/20 18:43	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 17:14	06/25/20 17:14	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	10	06/25/20 17:31	06/25/20 17:31	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 14:13	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 20:13	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497608	100	06/24/20 19:03	06/24/20 19:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499237	100	06/25/20 20:56	06/25/20 20:56	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 07:28	CAG	Mt. Juliet, TN

MW-125 L1230685-20 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 10:55
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497357	1	06/23/20 19:19	06/23/20 23:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498636	1	06/26/20 18:44	06/26/20 18:44	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	1	06/25/20 17:48	06/25/20 17:48	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497340	100	06/25/20 18:05	06/25/20 18:05	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 14:17	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 20:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497608	1	06/24/20 17:35	06/24/20 17:35	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	1	06/21/20 18:35	06/21/20 18:35	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499237	1	06/25/20 20:15	06/25/20 20:15	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/25/20 10:06	CAG	Mt. Juliet, TN

UG-3R L1230685-22 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 16:30
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497357	1	06/23/20 19:19	06/23/20 23:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	1	06/25/20 19:01	06/25/20 19:01	LEB	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	1	06/25/20 15:00	06/25/20 22:32	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 00:37	06/25/20 00:37	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	50	06/25/20 00:55	06/25/20 00:55	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1495163	1	06/19/20 07:47	06/21/20 22:11	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 21:13	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495344	1	06/25/20 09:02	06/25/20 11:51	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495366	1	06/25/20 06:36	06/25/20 10:30	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 14:20	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 20:20	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497063	1	06/22/20 19:34	06/22/20 19:34	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	1	06/21/20 18:53	06/21/20 18:53	JHH	Mt. Juliet, TN

UG-3R L1230685-22 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 16:30
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 08:20	CAG	Mt. Juliet, TN

UG-4 L1230685-23 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/15/20 17:20
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496357	1	06/22/20 22:32	06/22/20 23:54	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	1	06/25/20 19:03	06/25/20 19:03	LEB	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	1	06/25/20 15:00	06/25/20 22:33	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 01:13	06/25/20 01:13	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	100	06/25/20 01:48	06/25/20 01:48	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	5	06/25/20 01:31	06/25/20 01:31	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1495163	1	06/19/20 07:47	06/21/20 22:13	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 21:15	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495344	1	06/25/20 09:02	06/25/20 13:00	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495366	1	06/25/20 06:36	06/25/20 10:34	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 14:24	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 20:24	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497608	1	06/24/20 17:57	06/24/20 17:57	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	1	06/21/20 19:12	06/21/20 19:12	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1495269	1	06/19/20 05:32	06/22/20 07:35	JDG	Mt. Juliet, TN

UG-1 L1230685-24 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/15/20 18:10
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496357	1	06/22/20 22:32	06/22/20 23:54	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	5	06/25/20 19:05	06/25/20 19:05	LEB	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	1	06/25/20 15:00	06/25/20 22:34	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 02:06	06/25/20 02:06	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	50	06/25/20 02:24	06/25/20 02:24	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1495163	1	06/19/20 07:47	06/21/20 22:15	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 21:17	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495344	1	06/25/20 09:02	06/25/20 13:03	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495366	1	06/25/20 06:36	06/25/20 10:37	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 14:43	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 20:28	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497608	1	06/24/20 18:19	06/24/20 18:19	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	1	06/21/20 19:31	06/21/20 19:31	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1495269	1	06/19/20 05:32	06/22/20 07:58	JDG	Mt. Juliet, TN

UG-2 L1230685-25 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/15/20 19:10
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1496357	1	06/22/20 22:32	06/22/20 23:54	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	5	06/25/20 19:06	06/25/20 19:06	LEB	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	1	06/25/20 15:00	06/25/20 22:38	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 02:42	06/25/20 02:42	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	20	06/25/20 04:29	06/25/20 04:29	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1495163	1	06/19/20 07:47	06/21/20 22:17	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 21:19	TCT	Mt. Juliet, TN

UG-2 L1230685-25 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/15/20 19:10
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1495344	1	06/25/20 09:02	06/25/20 13:06	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495366	1	06/25/20 06:36	06/25/20 10:40	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 14:47	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 20:31	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497063	1	06/22/20 20:43	06/22/20 20:43	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	1	06/21/20 19:50	06/21/20 19:50	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1495269	1	06/19/20 05:32	06/22/20 08:20	JDG	Mt. Juliet, TN

MW-101 L1230685-26 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 15:05
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497357	1	06/23/20 19:19	06/23/20 23:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	1	06/25/20 19:07	06/25/20 19:07	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 04:47	06/25/20 04:47	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	10	06/25/20 18:29	06/25/20 18:29	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 14:50	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 20:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497063	1	06/22/20 21:06	06/22/20 21:06	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	1	06/21/20 20:09	06/21/20 20:09	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 08:46	CAG	Mt. Juliet, TN

MW-39 L1230685-27 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 11:35
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497357	1	06/23/20 19:19	06/23/20 23:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	1	06/25/20 19:15	06/25/20 19:15	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 05:23	06/25/20 05:23	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	20	06/25/20 05:59	06/25/20 05:59	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 14:54	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 20:54	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497063	1	06/22/20 21:29	06/22/20 21:29	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	1	06/21/20 20:29	06/21/20 20:29	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 09:12	CAG	Mt. Juliet, TN

MW-98 L1230685-28 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 13:55
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497357	1	06/23/20 19:19	06/23/20 23:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	100	06/25/20 19:16	06/25/20 19:16	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 06:35	06/25/20 06:35	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	50	06/25/20 07:29	06/25/20 07:29	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 14:58	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 20:57	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497608	20	06/24/20 19:25	06/24/20 19:25	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	50	06/21/20 21:26	06/21/20 21:26	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 09:38	CAG	Mt. Juliet, TN

RW-10 L1230685-29 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 09:25
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497359	1	06/23/20 19:19	06/23/20 23:59	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	1	06/25/20 19:17	06/25/20 19:17	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 07:47	06/25/20 07:47	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	20	06/25/20 08:04	06/25/20 08:04	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 15:01	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 21:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497063	1	06/22/20 22:14	06/22/20 22:14	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496569	1	06/21/20 20:48	06/21/20 20:48	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 10:04	CAG	Mt. Juliet, TN

MW-40 L1230685-30 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 09:25
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497359	1	06/23/20 19:19	06/23/20 23:59	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	10	06/25/20 19:18	06/25/20 19:18	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 08:22	06/25/20 08:22	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	20	06/25/20 08:40	06/25/20 08:40	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 15:05	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 21:05	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497063	1	06/22/20 22:37	06/22/20 22:37	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496571	1	06/22/20 02:12	06/22/20 02:12	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 10:30	CAG	Mt. Juliet, TN

MW-41 L1230685-31 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 10:40
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497359	1	06/23/20 19:19	06/23/20 23:59	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	1	06/25/20 19:20	06/25/20 19:20	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 08:58	06/25/20 08:58	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	50	06/25/20 09:16	06/25/20 09:16	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 15:09	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 21:08	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497847	1	06/23/20 22:32	06/23/20 22:32	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496571	1	06/22/20 02:32	06/22/20 02:32	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 10:55	CAG	Mt. Juliet, TN

RW-9 L1230685-32 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 12:35
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497359	1	06/23/20 19:19	06/23/20 23:59	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	50	06/25/20 19:21	06/25/20 19:21	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 09:47	06/25/20 09:47	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	20	06/25/20 10:04	06/25/20 10:04	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 15:12	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 21:12	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497847	1	06/23/20 22:54	06/23/20 22:54	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496571	1	06/22/20 02:53	06/22/20 02:53	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496549	1	06/22/20 00:12	06/24/20 11:21	CAG	Mt. Juliet, TN

MW-29 L1230685-33 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 10:20
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497359	1	06/23/20 19:19	06/23/20 23:59	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	1	06/25/20 19:22	06/25/20 19:22	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 10:22	06/25/20 10:22	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	50	06/25/20 11:16	06/25/20 11:16	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 15:16	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 21:16	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 22:12	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497847	1	06/23/20 23:16	06/23/20 23:16	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496571	1	06/22/20 03:14	06/22/20 03:14	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496551	1	06/23/20 00:34	06/25/20 15:52	TJD	Mt. Juliet, TN

RW-#16B L1230685-34 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 09:40
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497359	1	06/23/20 19:19	06/23/20 23:59	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	1	06/25/20 19:25	06/25/20 19:25	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 11:34	06/25/20 11:34	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	100	06/25/20 11:52	06/25/20 11:52	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 15:35	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495381	1	06/24/20 11:47	06/25/20 21:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496571	1	06/22/20 03:34	06/22/20 03:34	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496551	1	06/23/20 00:34	06/25/20 16:17	TJD	Mt. Juliet, TN

MW-106 L1230685-35 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 16:25
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497359	1	06/23/20 19:19	06/23/20 23:59	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	200	06/25/20 19:30	06/25/20 19:30	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 12:10	06/25/20 12:10	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	50	06/25/20 12:28	06/25/20 12:28	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 15:39	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 01:14	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 12:55	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497847	200	06/23/20 23:38	06/23/20 23:38	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499172	100	06/25/20 15:43	06/25/20 15:43	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496551	10	06/23/20 00:34	06/26/20 10:21	JDG	Mt. Juliet, TN

MW-139 L1230685-36 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 11:45
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497359	1	06/23/20 19:19	06/23/20 23:59	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	1	06/25/20 19:31	06/25/20 19:31	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 12:46	06/25/20 12:46	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	50	06/25/20 13:04	06/25/20 13:04	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 15:43	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 01:17	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 12:58	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497847	1	06/24/20 00:00	06/24/20 00:00	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496571	1	06/22/20 03:55	06/22/20 03:55	JHH	Mt. Juliet, TN

MW-139 L1230685-36 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/16/20 11:45	06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496551	1	06/23/20 00:34	06/25/20 16:43	TJD	Mt. Juliet, TN

MW-50 L1230685-37 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/16/20 12:35	06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1500391	1	06/27/20 18:18	06/27/20 18:38	TH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	100	06/25/20 19:34	06/25/20 19:34	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 13:22	06/25/20 13:22	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	50	06/25/20 13:39	06/25/20 13:39	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 15:46	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 01:20	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 13:01	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496571	1	06/22/20 04:16	06/22/20 04:16	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496551	1	06/23/20 00:34	06/25/20 17:09	TJD	Mt. Juliet, TN

MW-91 L1230685-38 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/16/20 14:00	06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497359	1	06/23/20 19:19	06/23/20 23:59	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	200	06/25/20 19:35	06/25/20 19:35	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 13:57	06/25/20 13:57	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	50	06/25/20 14:51	06/25/20 14:51	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495350	1	06/24/20 22:42	06/25/20 15:50	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 01:23	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 13:05	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497847	100	06/24/20 00:22	06/24/20 00:22	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496571	100	06/22/20 07:22	06/22/20 07:22	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496551	5	06/23/20 00:34	06/26/20 09:55	JDG	Mt. Juliet, TN

MW-90 L1230685-39 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/16/20 14:45	06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497359	1	06/23/20 19:19	06/23/20 23:59	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	50	06/25/20 19:36	06/25/20 19:36	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 15:09	06/25/20 15:09	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	50	06/25/20 15:27	06/25/20 15:27	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 01:27	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 13:08	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1496574	1	06/22/20 16:35	06/22/20 22:11	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497847	1	06/24/20 00:44	06/24/20 00:44	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496571	1	06/22/20 04:37	06/22/20 04:37	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496551	1	06/23/20 00:34	06/26/20 09:29	JDG	Mt. Juliet, TN

MW-96 L1230685-40 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 15:30
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497359	1	06/23/20 19:19	06/23/20 23:59	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	50	06/25/20 19:37	06/25/20 19:37	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 15:45	06/25/20 15:45	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	10	06/25/20 16:24	06/25/20 16:24	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 01:30	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 13:11	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1496574	1	06/22/20 16:35	06/22/20 22:34	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497847	50	06/24/20 01:06	06/24/20 01:06	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499172	250	06/25/20 16:03	06/25/20 16:03	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496551	1	06/23/20 00:34	06/25/20 18:27	TJD	Mt. Juliet, TN

MW-95 L1230685-41 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 16:45
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497359	1	06/23/20 19:19	06/23/20 23:59	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498637	1	06/25/20 19:39	06/25/20 19:39	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	1	06/25/20 16:59	06/25/20 16:59	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497343	10	06/25/20 17:35	06/25/20 17:35	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 01:33	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 13:22	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1496574	1	06/22/20 16:35	06/22/20 22:37	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497847	1	06/24/20 01:28	06/24/20 01:28	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496571	1	06/22/20 04:57	06/22/20 04:57	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496551	1	06/23/20 00:34	06/25/20 18:52	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1496709	2.38	06/23/20 06:45	06/23/20 17:37	AO	Mt. Juliet, TN

DUP-REST-02 L1230685-42 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 14:25
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497359	1	06/23/20 19:19	06/23/20 23:59	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498640	10	06/26/20 13:54	06/26/20 13:54	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/24/20 04:28	06/24/20 04:28	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	20	06/24/20 04:43	06/24/20 04:43	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 01:36	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 13:25	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1496574	1	06/22/20 16:35	06/22/20 22:40	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497847	1	06/24/20 01:50	06/24/20 01:50	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498555	1	06/24/20 22:46	06/24/20 22:46	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496551	1	06/23/20 00:34	06/26/20 09:04	JDG	Mt. Juliet, TN

DUP-REST-05 L1230685-43 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 12:00
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497359	1	06/23/20 19:19	06/23/20 23:59	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498640	10	06/26/20 13:55	06/26/20 13:55	LEB	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	1	06/25/20 15:00	06/25/20 22:41	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/24/20 12:58	06/24/20 12:58	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	100	06/24/20 08:24	06/24/20 08:24	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1495163	1	06/19/20 07:47	06/21/20 22:19	TCT	Mt. Juliet, TN

DUP-REST-05 L1230685-43 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/16/20 12:00 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 21:21	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495344	1	06/25/20 09:02	06/25/20 13:09	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495366	1	06/25/20 06:36	06/25/20 10:44	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 01:40	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 13:28	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1496574	1	06/22/20 16:35	06/22/20 22:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497847	1	06/24/20 02:12	06/24/20 02:12	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496571	1	06/22/20 05:18	06/22/20 05:18	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496551	1	06/23/20 00:34	06/26/20 08:38	JDG	Mt. Juliet, TN

EB-REST-02 L1230685-44 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/16/20 14:35 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497364	1	06/23/20 11:37	06/23/20 12:32	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498640	1	06/26/20 13:56	06/26/20 13:56	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/24/20 08:39	06/24/20 08:39	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 01:43	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 13:32	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1496574	1	06/22/20 16:35	06/22/20 22:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1497847	1	06/24/20 02:34	06/24/20 02:34	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496571	1	06/22/20 05:39	06/22/20 05:39	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496551	1	06/23/20 00:34	06/26/20 02:36	JDG	Mt. Juliet, TN

EB-REST-05 L1230685-45 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/16/20 14:15 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497364	1	06/23/20 11:37	06/23/20 12:32	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498640	1	06/26/20 13:57	06/26/20 13:57	LEB	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1498827	1	06/25/20 15:00	06/25/20 22:42	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/24/20 08:54	06/24/20 08:54	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1495163	1	06/19/20 07:47	06/21/20 22:21	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1495279	1	06/19/20 07:50	06/21/20 21:23	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1495366	1	06/25/20 06:36	06/25/20 10:47	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1496573	1	06/22/20 18:50	06/23/20 04:42	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 01:46	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1495382	1	06/24/20 17:35	06/25/20 13:35	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1496574	1	06/22/20 16:35	06/22/20 22:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1498259	1	06/24/20 14:09	06/24/20 14:09	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496571	1	06/22/20 05:59	06/22/20 05:59	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496551	1	06/23/20 00:34	06/26/20 03:02	JDG	Mt. Juliet, TN

TRIP BLANK-REST-02 L1230685-46 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/16/20 00:00 | Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496571	1	06/22/20 01:30	06/22/20 01:30	JHH	Mt. Juliet, TN

TRIP BLANK-REST-04 L1230685-47 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 00:00
Received date/time: 06/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1496571	1	06/22/20 01:51	06/22/20 01:51	JHH	Mt. Juliet, TN

RW-#18A L1230685-48 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 09:50
Received date/time: 06/20/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497364	1	06/23/20 11:37	06/23/20 12:32	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498640	1	06/26/20 13:59	06/26/20 13:59	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	10	06/24/20 09:09	06/24/20 09:09	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	100	06/24/20 09:24	06/24/20 09:24	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1496574	1	06/22/20 16:35	06/22/20 22:53	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1497198	1	06/24/20 08:04	06/24/20 14:59	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497269	1	06/23/20 09:39	06/23/20 09:39	JHH	Mt. Juliet, TN

MW-116 L1230685-49 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 11:15
Received date/time: 06/20/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1497364	1	06/23/20 11:37	06/23/20 12:32	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498640	1	06/26/20 14:00	06/26/20 14:00	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	1	06/24/20 13:13	06/24/20 13:13	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1497346	100	06/24/20 09:54	06/24/20 09:54	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1496574	1	06/22/20 16:35	06/22/20 21:48	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1497198	1	06/24/20 08:04	06/24/20 15:02	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1498259	1	06/24/20 14:29	06/24/20 14:29	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497269	1	06/23/20 10:00	06/23/20 10:00	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1496551	1	06/23/20 00:34	06/26/20 03:28	JDG	Mt. Juliet, TN

TRIP BLANK-REST-03 L1230685-50 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/16/20 00:00
Received date/time: 06/20/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497269	1	06/23/20 08:57	06/23/20 08:57	JHH	Mt. Juliet, TN

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.



Chris McCord
Project Manager

Report Revision History

Level II Report - Version 1: 06/30/20 11:57
Level II Report - Version 2: 01/28/21 10:27

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	2810		14.1	50.0	1	06/23/2020 22:49	WG1496362

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/26/2020 18:08	WG1498636

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	06/25/2020 22:22	WG1498827

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	458		7.58	20.0	20	06/25/2020 03:12	WG1497340
Fluoride	0.915		0.0640	0.150	1	06/25/2020 02:38	WG1497340
Sulfate	834		11.9	100	20	06/25/2020 03:12	WG1497340

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/21/2020 21:51	WG1495163
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 20:55	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.418		0.0254	0.200	1	06/25/2020 10:05	WG1495366
Boron,Dissolved	0.439		0.0254	0.200	1	06/25/2020 12:34	WG1495344

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00153	J	0.000735	0.00200	1	06/25/2020 14:05	WG1495380
Arsenic,Dissolved	0.00116	J	0.000735	0.00200	1	06/24/2020 21:15	WG1495349
Barium	0.0692		0.00778	0.0200	1	06/25/2020 14:05	WG1495380
Barium,Dissolved	0.0589		0.00778	0.0200	1	06/24/2020 21:15	WG1495349
Cadmium	U		0.000478	0.00100	1	06/25/2020 14:05	WG1495380
Cadmium,Dissolved	U		0.000478	0.00100	1	06/24/2020 21:15	WG1495349
Calcium	330		0.480	1.00	1	06/25/2020 14:05	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 14:05	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 21:15	WG1495349
Cobalt	U		0.000477	0.00200	1	06/25/2020 14:05	WG1495380
Cobalt,Dissolved	U		0.000477	0.00200	1	06/24/2020 21:15	WG1495349
Iron	0.678		0.0489	0.100	1	06/25/2020 14:05	WG1495380
Iron,Dissolved	0.400		0.0489	0.100	1	06/24/2020 21:15	WG1495349
Lead	0.00545		0.00249	0.00500	1	06/25/2020 14:05	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 21:15	WG1495349
Manganese	2.57		0.00132	0.00500	1	06/25/2020 14:05	WG1495380
Manganese,Dissolved	2.40		0.00132	0.00500	1	06/24/2020 21:15	WG1495349
Nickel	0.00133	J	0.000952	0.00200	1	06/25/2020 14:05	WG1495380
Nickel,Dissolved	0.00117	J	0.000952	0.00200	1	06/24/2020 21:15	WG1495349

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KWD-7

SAMPLE RESULTS - 01

Collected date/time: 06/16/20 13:30

L1230685

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	U		0.534	2.00	1	06/25/2020 14:05	WG1495380
Selenium	U		0.000657	0.00200	1	06/25/2020 14:05	WG1495380
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 21:15	WG1495349
Sodium	275		0.630	2.00	1	06/25/2020 14:05	WG1495380
Uranium	U		0.00754	0.0200	1	06/25/2020 14:05	WG1495380
Uranium,Dissolved	U		0.00754	0.0200	1	06/24/2020 21:15	WG1495349
Vanadium	0.00412	J	0.000986	0.00500	1	06/25/2020 14:05	WG1495380
Vanadium,Dissolved	0.00370	J	0.000986	0.00500	1	06/24/2020 21:15	WG1495349

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 21:02	WG1496570
Benzene	0.0545		0.0000941	0.00100	1	06/21/2020 21:02	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 21:02	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 21:02	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 21:02	WG1496570
n-Butylbenzene	0.000580	J	0.000157	0.00100	1	06/21/2020 21:02	WG1496570
sec-Butylbenzene	0.00879		0.000125	0.00100	1	06/21/2020 21:02	WG1496570
Carbon disulfide	0.00118		0.0000962	0.00100	1	06/21/2020 21:02	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 21:02	WG1496570
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 21:02	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 21:02	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 21:02	WG1496570
Chloroform	U		0.000111	0.00500	1	06/21/2020 21:02	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 21:02	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 21:02	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 21:02	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 21:02	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 21:02	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 21:02	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 21:02	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 21:02	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 21:02	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 21:02	WG1496570
Ethylbenzene	0.00936		0.000137	0.00100	1	06/21/2020 21:02	WG1496570
Isopropylbenzene	0.0409		0.000105	0.00100	1	06/21/2020 21:02	WG1496570
p-Isopropyltoluene	0.00161		0.000120	0.00100	1	06/21/2020 21:02	WG1496570
2-Butanone (MEK)	0.160		0.00119	0.0100	1	06/21/2020 21:02	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 21:02	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 21:02	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 21:02	WG1496570
Methyl tert-butyl ether	0.00932		0.000101	0.00100	1	06/21/2020 21:02	WG1496570
Naphthalene	0.00822		0.00100	0.00500	1	06/21/2020 21:02	WG1496570
n-Propylbenzene	0.0205		0.0000993	0.00100	1	06/21/2020 21:02	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 21:02	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 21:02	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 21:02	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 21:02	WG1496570
Toluene	0.000536	J	0.000278	0.00100	1	06/21/2020 21:02	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 21:02	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 21:02	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 21:02	WG1496570
1,2,4-Trimethylbenzene	0.0876		0.000322	0.00100	1	06/21/2020 21:02	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 21:02	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 21:02	WG1496570

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KWD-7
Collected date/time: 06/16/20 13:30
L1230685

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
o-Xylene	0.00226		0.000174	0.00100	1	06/21/2020 21:02	WG1496570
m&p-Xylene	0.0390		0.000430	0.00200	1	06/21/2020 21:02	WG1496570
Xylenes, Total	0.0413		0.000174	0.00300	1	06/21/2020 21:02	WG1496570
(S) Toluene-d8	*107*			*80.0-120*		*06/21/2020 21:02*	WG1496570
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*06/21/2020 21:02*	WG1496570
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/21/2020 21:02*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.29		0.0247	0.100	1	06/23/2020 05:41	WG1496548
(S) o-Terphenyl	*115*			*31.0-160*		*06/23/2020 05:41*	WG1496548

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3180		14.1	50.0	1	06/23/2020 22:49	WG1496362

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0536	J	0.0500	0.100	1	06/26/2020 18:10	WG1498636

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	06/25/2020 22:25	WG1498827

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	676		19.0	50.0	50	06/25/2020 04:03	WG1497340
Fluoride	0.753		0.0640	0.150	1	06/25/2020 03:46	WG1497340
Sulfate	1180		29.7	250	50	06/25/2020 04:03	WG1497340

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	06/21/2020 21:53	WG1495163
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 20:57	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.380		0.0254	0.200	1	06/25/2020 10:08	WG1495366
Boron,Dissolved	0.390		0.0254	0.200	1	06/25/2020 12:38	WG1495344

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0111		0.000735	0.00200	1	06/25/2020 14:12	WG1495380
Arsenic,Dissolved	0.0103		0.000735	0.00200	1	06/24/2020 21:18	WG1495349
Barium	0.0329		0.00778	0.0200	1	06/25/2020 14:12	WG1495380
Barium,Dissolved	0.0297		0.00778	0.0200	1	06/24/2020 21:18	WG1495349
Cadmium	U		0.000478	0.00100	1	06/25/2020 14:12	WG1495380
Cadmium,Dissolved	U		0.000478	0.00100	1	06/24/2020 21:18	WG1495349
Calcium	408		0.480	1.00	1	06/25/2020 14:12	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 14:12	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 21:18	WG1495349
Cobalt	0.00371		0.000477	0.00200	1	06/25/2020 14:12	WG1495380
Cobalt,Dissolved	0.00386		0.000477	0.00200	1	06/24/2020 21:18	WG1495349
Iron	7.33		0.0489	0.100	1	06/25/2020 14:12	WG1495380
Iron,Dissolved	7.20		0.0489	0.100	1	06/24/2020 21:18	WG1495349
Lead	0.00307	J	0.00249	0.00500	1	06/25/2020 14:12	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 21:18	WG1495349
Manganese	0.570		0.00132	0.00500	1	06/25/2020 14:12	WG1495380
Manganese,Dissolved	0.580		0.00132	0.00500	1	06/24/2020 21:18	WG1495349
Nickel	0.00429		0.000952	0.00200	1	06/25/2020 14:12	WG1495380
Nickel,Dissolved	0.00423		0.000952	0.00200	1	06/24/2020 21:18	WG1495349

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KWD-11A

SAMPLE RESULTS - 02

Collected date/time: 06/16/20 14:25

L1230685

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	0.800	J	0.534	2.00	1	06/25/2020 14:12	WG1495380
Selenium	0.00104	J	0.000657	0.00200	1	06/25/2020 14:12	WG1495380
Selenium,Dissolved	0.000928	J	0.000657	0.00200	1	06/24/2020 21:18	WG1495349
Sodium	319		0.630	2.00	1	06/25/2020 14:12	WG1495380
Uranium	0.0143	J	0.00754	0.0200	1	06/25/2020 14:12	WG1495380
Uranium,Dissolved	0.0136	J	0.00754	0.0200	1	06/24/2020 21:18	WG1495349
Vanadium	0.00286	J	0.000986	0.00500	1	06/25/2020 14:12	WG1495380
Vanadium,Dissolved	0.00207	J	0.000986	0.00500	1	06/24/2020 21:18	WG1495349

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.444		0.0314	0.100	1	06/22/2020 04:17	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*06/22/2020 04:17*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 21:22	WG1496570
Benzene	0.000492	J	0.0000941	0.00100	1	06/21/2020 21:22	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 21:22	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 21:22	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 21:22	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 21:22	WG1496570
sec-Butylbenzene	0.00210		0.000125	0.00100	1	06/21/2020 21:22	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 21:22	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 21:22	WG1496570
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 21:22	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 21:22	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 21:22	WG1496570
Chloroform	U		0.000111	0.00500	1	06/21/2020 21:22	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 21:22	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 21:22	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 21:22	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 21:22	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 21:22	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 21:22	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 21:22	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 21:22	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 21:22	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 21:22	WG1496570
Ethylbenzene	0.000576	J	0.000137	0.00100	1	06/21/2020 21:22	WG1496570
Isopropylbenzene	0.00360		0.000105	0.00100	1	06/21/2020 21:22	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 21:22	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 21:22	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 21:22	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 21:22	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 21:22	WG1496570
Methyl tert-butyl ether	0.00359		0.000101	0.00100	1	06/21/2020 21:22	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 21:22	WG1496570
n-Propylbenzene	0.00125		0.0000993	0.00100	1	06/21/2020 21:22	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 21:22	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 21:22	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 21:22	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 21:22	WG1496570

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KWD-TIA

SAMPLE RESULTS - 02

Collected date/time: 06/16/20 14:25

L1230685

ONE LAB. NATIONWIDE.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Toluene	U		0.000278	0.00100	1	06/21/2020 21:22	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 21:22	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 21:22	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 21:22	WG1496570
1,2,4-Trimethylbenzene	0.0486		0.000322	0.00100	1	06/21/2020 21:22	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 21:22	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 21:22	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 21:22	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 21:22	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 21:22	WG1496570
(S) Toluene-d8	*102*			*80.0-120*		*06/21/2020 21:22*	WG1496570
(S) 4-Bromofluorobenzene	*98.8*			*77.0-126*		*06/21/2020 21:22*	WG1496570
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/21/2020 21:22*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	2.28		0.0247	0.100	1	06/23/2020 06:07	WG1496548
(S) o-Terphenyl	*100*			*31.0-160*		*06/23/2020 06:07*	WG1496548

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

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	2880		14.1	50.0	1	06/23/2020 22:49	WG1496362

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	3.34		0.0500	0.100	1	06/26/2020 18:11	WG1498636

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	06/25/2020 22:28	WG1498827

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	369		37.9	100	100	06/25/2020 04:36	WG1497340
Fluoride	0.453		0.0640	0.150	1	06/25/2020 04:20	WG1497340
Sulfate	1710		59.4	500	100	06/25/2020 04:36	WG1497340

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/21/2020 22:03	WG1495163
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 20:59	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.0989	J	0.0254	0.200	1	06/25/2020 10:12	WG1495366
Boron,Dissolved	0.115	J	0.0254	0.200	1	06/25/2020 12:42	WG1495344

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00119	J	0.000735	0.00200	1	06/25/2020 14:15	WG1495380
Arsenic,Dissolved	0.00138	J	0.000735	0.00200	1	06/24/2020 21:31	WG1495349
Barium	0.0144	J	0.00778	0.0200	1	06/25/2020 14:15	WG1495380
Barium,Dissolved	0.0130	J	0.00778	0.0200	1	06/24/2020 21:31	WG1495349
Cadmium	U		0.000478	0.00100	1	06/25/2020 14:15	WG1495380
Cadmium,Dissolved	U		0.000478	0.00100	1	06/24/2020 21:31	WG1495349
Calcium	515		0.480	1.00	1	06/25/2020 14:15	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 14:15	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 21:31	WG1495349
Cobalt	U		0.000477	0.00200	1	06/25/2020 14:15	WG1495380
Cobalt,Dissolved	U		0.000477	0.00200	1	06/24/2020 21:31	WG1495349
Iron	U		0.0489	0.100	1	06/25/2020 14:15	WG1495380
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 21:31	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 14:15	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 21:31	WG1495349
Manganese	0.00213	J	0.00132	0.00500	1	06/25/2020 14:15	WG1495380
Manganese,Dissolved	0.00148	J	0.00132	0.00500	1	06/24/2020 21:31	WG1495349
Nickel	U		0.000952	0.00200	1	06/25/2020 14:15	WG1495380
Nickel,Dissolved	U		0.000952	0.00200	1	06/24/2020 21:31	WG1495349

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	2.24		0.534	2.00	1	06/25/2020 14:15	WG1495380
Selenium	0.00865		0.000657	0.00200	1	06/25/2020 14:15	WG1495380
Selenium,Dissolved	0.00822		0.000657	0.00200	1	06/24/2020 21:31	WG1495349
Sodium	97.1		0.630	2.00	1	06/25/2020 14:15	WG1495380
Uranium	0.0125	J	0.00754	0.0200	1	06/25/2020 14:15	WG1495380
Uranium,Dissolved	0.0117	J	0.00754	0.0200	1	06/24/2020 21:31	WG1495349
Vanadium	0.00855		0.000986	0.00500	1	06/25/2020 14:15	WG1495380
Vanadium,Dissolved	0.00849		0.000986	0.00500	1	06/24/2020 21:31	WG1495349

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 04:38	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*06/22/2020 04:38*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 21:43	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 21:43	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 21:43	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 21:43	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 21:43	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 21:43	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 21:43	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 21:43	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 21:43	WG1496570
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 21:43	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 21:43	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 21:43	WG1496570
Chloroform	U		0.000111	0.00500	1	06/21/2020 21:43	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 21:43	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 21:43	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 21:43	WG1496570
1,2-Dichloroethane	0.000210	J	0.0000819	0.00100	1	06/21/2020 21:43	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 21:43	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 21:43	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 21:43	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 21:43	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 21:43	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 21:43	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 21:43	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 21:43	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 21:43	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 21:43	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 21:43	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 21:43	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 21:43	WG1496570
Methyl tert-butyl ether	0.00140		0.000101	0.00100	1	06/21/2020 21:43	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 21:43	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 21:43	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 21:43	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 21:43	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 21:43	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 21:43	WG1496570

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Received by OCD: 11/22/2022 9:46:04 AM

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SAMPLE RESULTS - 03

Collected date/time: 06/16/20 15:15

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Toluene	U		0.000278	0.00100	1	06/21/2020 21:43	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 21:43	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 21:43	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 21:43	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 21:43	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 21:43	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 21:43	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 21:43	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 21:43	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 21:43	WG1496570
(S) Toluene-d8	*103*			*80.0-120*		*06/21/2020 21:43*	WG1496570
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/21/2020 21:43*	WG1496570
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/21/2020 21:43*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.0514	J	0.0247	0.100	1	06/23/2020 20:17	WG1496548
(S) o-Terphenyl	*85.3*			*31.0-160*		*06/23/2020 20:17*	WG1496548

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

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4320		14.1	50.0	1	06/23/2020 22:49	WG1496362

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	3.94		0.0500	0.100	1	06/26/2020 18:13	WG1498636

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	424		37.9	100	100	06/25/2020 05:44	WG1497340
Fluoride	2.09		0.0640	0.150	1	06/25/2020 05:27	WG1497340
Sulfate	2590		59.4	500	100	06/25/2020 05:44	WG1497340

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00388		0.000735	0.00200	1	06/25/2020 14:19	WG1495380
Arsenic,Dissolved	0.00415		0.000735	0.00200	1	06/24/2020 21:34	WG1495349
Barium	0.00892	J	0.00778	0.0200	1	06/25/2020 14:19	WG1495380
Barium,Dissolved	0.00879	J	0.00778	0.0200	1	06/24/2020 21:34	WG1495349
Calcium	475		0.480	1.00	1	06/25/2020 14:19	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 14:19	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 21:34	WG1495349
Iron	U		0.0489	0.100	1	06/25/2020 14:19	WG1495380
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 21:34	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 14:19	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 21:34	WG1495349
Manganese	0.115		0.00132	0.00500	1	06/25/2020 14:19	WG1495380
Manganese,Dissolved	0.109		0.00132	0.00500	1	06/24/2020 21:34	WG1495349
Potassium	U		0.534	2.00	1	06/25/2020 14:19	WG1495380
Selenium	0.00483		0.000657	0.00200	1	06/25/2020 14:19	WG1495380
Selenium,Dissolved	0.00556		0.000657	0.00200	1	06/24/2020 21:34	WG1495349
Sodium	187		0.630	2.00	1	06/25/2020 14:19	WG1495380

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 04:58	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*06/22/2020 04:58*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 22:04	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 22:04	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 22:04	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 22:04	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 22:04	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 22:04	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 22:04	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 22:04	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 22:04	WG1496570

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 22:04	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 22:04	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 22:04	WG1496570
Chloroform	U		0.000111	0.00500	1	06/21/2020 22:04	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 22:04	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 22:04	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 22:04	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 22:04	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 22:04	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 22:04	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 22:04	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 22:04	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 22:04	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 22:04	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 22:04	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 22:04	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 22:04	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 22:04	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 22:04	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 22:04	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 22:04	WG1496570
Methyl tert-butyl ether	0.00126		0.000101	0.00100	1	06/21/2020 22:04	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 22:04	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 22:04	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 22:04	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 22:04	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 22:04	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 22:04	WG1496570
Toluene	U		0.000278	0.00100	1	06/21/2020 22:04	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 22:04	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 22:04	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 22:04	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 22:04	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 22:04	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 22:04	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 22:04	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 22:04	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 22:04	WG1496570
(S) Toluene-d8	*104*			*80.0-120*		*06/21/2020 22:04*	WG1496570
(S) 4-Bromofluorobenzene	*99.6*			*77.0-126*		*06/21/2020 22:04*	WG1496570
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/21/2020 22:04*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0430	J	0.0247	0.100	1	06/23/2020 20:43	WG1496548
(S) o-Terphenyl	*86.8*			*31.0-160*		*06/23/2020 20:43*	WG1496548

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3470		14.1	50.0	1	06/23/2020 22:49	WG1496362

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.478	J5	0.0500	0.100	1	06/26/2020 18:14	WG1498636

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	251		37.9	100	100	06/25/2020 06:18	WG1497340
Fluoride	2.17		0.0640	0.150	1	06/25/2020 06:01	WG1497340
Sulfate	2060		59.4	500	100	06/25/2020 06:18	WG1497340

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00348		0.000735	0.00200	1	06/25/2020 14:22	WG1495380
Arsenic,Dissolved	0.00334		0.000735	0.00200	1	06/24/2020 21:38	WG1495349
Barium	0.0145	J	0.00778	0.0200	1	06/25/2020 14:22	WG1495380
Barium,Dissolved	0.0138	J	0.00778	0.0200	1	06/24/2020 21:38	WG1495349
Calcium	586		0.480	1.00	1	06/25/2020 14:22	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 14:22	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 21:38	WG1495349
Iron	U		0.0489	0.100	1	06/25/2020 14:22	WG1495380
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 21:38	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 14:22	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 21:38	WG1495349
Manganese	0.980		0.00132	0.00500	1	06/25/2020 14:22	WG1495380
Manganese,Dissolved	0.997		0.00132	0.00500	1	06/24/2020 21:38	WG1495349
Potassium	2.42		0.534	2.00	1	06/25/2020 14:22	WG1495380
Selenium	0.00355		0.000657	0.00200	1	06/25/2020 14:22	WG1495380
Selenium,Dissolved	0.00352		0.000657	0.00200	1	06/24/2020 21:38	WG1495349
Sodium	127		0.630	2.00	1	06/25/2020 14:22	WG1495380

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 05:19	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*		*06/22/2020 05:19*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 22:24	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 22:24	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 22:24	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 22:24	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 22:24	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 22:24	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 22:24	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 22:24	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 22:24	WG1496570

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 22:24	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 22:24	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 22:24	WG1496570
Chloroform	U		0.000111	0.00500	1	06/21/2020 22:24	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 22:24	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 22:24	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 22:24	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 22:24	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 22:24	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 22:24	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 22:24	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 22:24	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 22:24	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 22:24	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 22:24	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 22:24	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 22:24	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 22:24	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 22:24	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 22:24	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 22:24	WG1496570
Methyl tert-butyl ether	0.00475		0.000101	0.00100	1	06/21/2020 22:24	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 22:24	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 22:24	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 22:24	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 22:24	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 22:24	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 22:24	WG1496570
Toluene	U		0.000278	0.00100	1	06/21/2020 22:24	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 22:24	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 22:24	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 22:24	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 22:24	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 22:24	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 22:24	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 22:24	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 22:24	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 22:24	WG1496570
(S) Toluene-d8	*105*			*80.0-120*		*06/21/2020 22:24*	WG1496570
(S) 4-Bromofluorobenzene	*98.8*			*77.0-126*		*06/21/2020 22:24*	WG1496570
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/21/2020 22:24*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.436		0.0247	0.100	1	06/23/2020 07:24	WG1496548
(S) o-Terphenyl	*90.5*			*31.0-160*		*06/23/2020 07:24*	WG1496548

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	3640		14.1	50.0	1	06/23/2020 22:49	WG1496362

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	2.46		0.0500	0.100	1	06/26/2020 18:21	WG1498636

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	299		37.9	100	100	06/25/2020 06:52	WG1497340
Fluoride	3.43		0.0640	0.150	1	06/25/2020 06:35	WG1497340
Sulfate	2300		59.4	500	100	06/25/2020 06:52	WG1497340

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00249		0.000735	0.00200	1	06/25/2020 14:25	WG1495380
Arsenic,Dissolved	0.00262		0.000735	0.00200	1	06/24/2020 21:41	WG1495349
Barium	0.0115	J	0.00778	0.0200	1	06/25/2020 14:25	WG1495380
Barium,Dissolved	0.00934	J	0.00778	0.0200	1	06/24/2020 21:41	WG1495349
Calcium	578		0.480	1.00	1	06/25/2020 14:25	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 14:25	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 21:41	WG1495349
Iron	0.121		0.0489	0.100	1	06/25/2020 14:25	WG1495380
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 21:41	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 14:25	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 21:41	WG1495349
Manganese	0.00283	J	0.00132	0.00500	1	06/25/2020 14:25	WG1495380
Manganese,Dissolved	0.00162	J	0.00132	0.00500	1	06/24/2020 21:41	WG1495349
Potassium	6.39		0.534	2.00	1	06/25/2020 14:25	WG1495380
Selenium	0.00969		0.000657	0.00200	1	06/25/2020 14:25	WG1495380
Selenium,Dissolved	0.00942		0.000657	0.00200	1	06/24/2020 21:41	WG1495349
Sodium	129		0.630	2.00	1	06/25/2020 14:25	WG1495380

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 05:39	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*		*06/22/2020 05:39*	WG1496563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/21/2020 22:45	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 22:45	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 22:45	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 22:45	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 22:45	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 22:45	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 22:45	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 22:45	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 22:45	WG1496570

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Collected date/time: 06/16/20 11:15

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 22:45	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 22:45	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 22:45	WG1496570
Chloroform	U		0.000111	0.00500	1	06/21/2020 22:45	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 22:45	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 22:45	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 22:45	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 22:45	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 22:45	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 22:45	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 22:45	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 22:45	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 22:45	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 22:45	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 22:45	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 22:45	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 22:45	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 22:45	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 22:45	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 22:45	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 22:45	WG1496570
Methyl tert-butyl ether	0.000222	J	0.000101	0.00100	1	06/21/2020 22:45	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 22:45	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 22:45	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 22:45	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 22:45	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 22:45	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 22:45	WG1496570
Toluene	U		0.000278	0.00100	1	06/21/2020 22:45	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 22:45	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 22:45	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 22:45	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 22:45	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 22:45	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 22:45	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 22:45	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 22:45	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 22:45	WG1496570
(S) Toluene-d8	*105*			*80.0-120*		*06/21/2020 22:45*	WG1496570
(S) 4-Bromofluorobenzene	*98.1*			*77.0-126*		*06/21/2020 22:45*	WG1496570
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*06/21/2020 22:45*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.109		0.0247	0.100	1	06/23/2020 07:50	WG1496548
(S) o-Terphenyl	*85.3*			*31.0-160*		*06/23/2020 07:50*	WG1496548

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Received by OCD: 11/22/2022 9:46:04 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4620		14.1	50.0	1	06/23/2020 22:49	WG1496362

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	2.43		0.0500	0.100	1	06/26/2020 18:23	WG1498636

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	290		37.9	100	100	06/25/2020 07:26	WG1497340
Fluoride	5.20		0.0640	0.150	1	06/25/2020 07:09	WG1497340
Sulfate	2950		59.4	500	100	06/25/2020 07:26	WG1497340

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00806		0.000735	0.00200	1	06/25/2020 14:29	WG1495380
Arsenic,Dissolved	0.00796		0.000735	0.00200	1	06/24/2020 21:45	WG1495349
Barium	0.0122	J	0.00778	0.0200	1	06/25/2020 14:29	WG1495380
Barium,Dissolved	0.0116	J	0.00778	0.0200	1	06/24/2020 21:45	WG1495349
Calcium	586		0.480	1.00	1	06/25/2020 14:29	WG1495380
Chromium	0.00175	J	0.00149	0.00200	1	06/25/2020 14:29	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 21:45	WG1495349
Iron	U		0.0489	0.100	1	06/25/2020 14:29	WG1495380
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 21:45	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 14:29	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 21:45	WG1495349
Manganese	U		0.00132	0.00500	1	06/25/2020 14:29	WG1495380
Manganese,Dissolved	U		0.00132	0.00500	1	06/24/2020 21:45	WG1495349
Potassium	3.45		0.534	2.00	1	06/25/2020 14:29	WG1495380
Selenium	0.0129		0.000657	0.00200	1	06/25/2020 14:29	WG1495380
Selenium,Dissolved	0.0125		0.000657	0.00200	1	06/24/2020 21:45	WG1495349
Sodium	171		0.630	2.00	1	06/25/2020 14:29	WG1495380

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 06:00	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*06/22/2020 06:00*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 23:05	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 23:05	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 23:05	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 23:05	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 23:05	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 23:05	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 23:05	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 23:05	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 23:05	WG1496570

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 23:05	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 23:05	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 23:05	WG1496570
Chloroform	U		0.000111	0.00500	1	06/21/2020 23:05	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 23:05	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 23:05	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 23:05	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 23:05	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 23:05	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 23:05	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 23:05	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 23:05	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 23:05	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 23:05	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 23:05	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 23:05	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 23:05	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 23:05	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 23:05	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 23:05	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 23:05	WG1496570
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 23:05	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 23:05	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 23:05	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 23:05	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 23:05	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 23:05	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 23:05	WG1496570
Toluene	U		0.000278	0.00100	1	06/21/2020 23:05	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 23:05	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 23:05	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 23:05	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 23:05	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 23:05	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 23:05	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 23:05	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 23:05	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 23:05	WG1496570
(S) Toluene-d8	*104*			*80.0-120*		*06/21/2020 23:05*	WG1496570
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*06/21/2020 23:05*	WG1496570
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/21/2020 23:05*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/23/2020 08:16	WG1496548
(S) o-Terphenyl	*88.4*			*31.0-160*		*06/23/2020 08:16*	WG1496548

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4500		14.1	50.0	1	06/23/2020 22:49	WG1496362

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.281		0.0500	0.100	1	06/26/2020 18:24	WG1498636

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	345		37.9	100	100	06/25/2020 07:59	WG1497340
Fluoride	1.66		0.0640	0.150	1	06/25/2020 07:42	WG1497340
Sulfate	2990		59.4	500	100	06/25/2020 07:59	WG1497340

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00394		0.000735	0.00200	1	06/25/2020 14:49	WG1495380
Arsenic,Dissolved	0.00370		0.000735	0.00200	1	06/24/2020 21:49	WG1495349
Barium	0.0105	J	0.00778	0.0200	1	06/25/2020 14:49	WG1495380
Barium,Dissolved	0.00958	J	0.00778	0.0200	1	06/24/2020 21:49	WG1495349
Calcium	629		0.480	1.00	1	06/25/2020 14:49	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 14:49	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 21:49	WG1495349
Iron	U		0.0489	0.100	1	06/25/2020 14:49	WG1495380
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 21:49	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 14:49	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 21:49	WG1495349
Manganese	0.00689		0.00132	0.00500	1	06/25/2020 14:49	WG1495380
Manganese,Dissolved	0.00646		0.00132	0.00500	1	06/24/2020 21:49	WG1495349
Potassium	0.637	J	0.534	2.00	1	06/25/2020 14:49	WG1495380
Selenium	0.00466		0.000657	0.00200	1	06/25/2020 14:49	WG1495380
Selenium,Dissolved	0.00484		0.000657	0.00200	1	06/24/2020 21:49	WG1495349
Sodium	202		0.630	2.00	1	06/25/2020 14:49	WG1495380

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 06:21	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*06/22/2020 06:21*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 23:26	WG1496570
Benzene	U		0.0000941	0.00100	1	06/21/2020 23:26	WG1496570
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 23:26	WG1496570
Bromoform	U		0.000129	0.00100	1	06/21/2020 23:26	WG1496570
Bromomethane	U		0.000605	0.00500	1	06/21/2020 23:26	WG1496570
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 23:26	WG1496570
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 23:26	WG1496570
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 23:26	WG1496570
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 23:26	WG1496570

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/21/2020 23:26	WG1496570
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 23:26	WG1496570
Chloroethane	U		0.000192	0.00500	1	06/21/2020 23:26	WG1496570
Chloroform	U		0.000111	0.00500	1	06/21/2020 23:26	WG1496570
Chloromethane	U		0.000960	0.00250	1	06/21/2020 23:26	WG1496570
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 23:26	WG1496570
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 23:26	WG1496570
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 23:26	WG1496570
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 23:26	WG1496570
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 23:26	WG1496570
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 23:26	WG1496570
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 23:26	WG1496570
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/21/2020 23:26	WG1496570
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 23:26	WG1496570
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 23:26	WG1496570
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 23:26	WG1496570
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 23:26	WG1496570
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 23:26	WG1496570
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 23:26	WG1496570
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 23:26	WG1496570
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 23:26	WG1496570
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 23:26	WG1496570
Naphthalene	U		0.00100	0.00500	1	06/21/2020 23:26	WG1496570
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 23:26	WG1496570
Styrene	U		0.000118	0.00100	1	06/21/2020 23:26	WG1496570
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 23:26	WG1496570
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 23:26	WG1496570
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 23:26	WG1496570
Toluene	U		0.000278	0.00100	1	06/21/2020 23:26	WG1496570
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 23:26	WG1496570
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 23:26	WG1496570
Trichloroethene	U		0.000190	0.00100	1	06/21/2020 23:26	WG1496570
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 23:26	WG1496570
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 23:26	WG1496570
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 23:26	WG1496570
o-Xylene	U		0.000174	0.00100	1	06/21/2020 23:26	WG1496570
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 23:26	WG1496570
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 23:26	WG1496570
(S) Toluene-d8	*107*			*80.0-120*		*06/21/2020 23:26*	WG1496570
(S) 4-Bromofluorobenzene	*98.1*			*77.0-126*		*06/21/2020 23:26*	WG1496570
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/21/2020 23:26*	WG1496570

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.376		0.0247	0.100	1	06/23/2020 08:42	WG1496548
(S) o-Terphenyl	*86.8*			*31.0-160*		*06/23/2020 08:42*	WG1496548

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	2680		14.1	50.0	1	06/23/2020 22:49	WG1496362

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/26/2020 18:25	WG1498636

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	198		19.0	50.0	50	06/25/2020 09:07	WG1497340
Fluoride	0.869		0.0640	0.150	1	06/25/2020 08:50	WG1497340
Sulfate	1590		29.7	250	50	06/25/2020 09:07	WG1497340

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00110	J	0.000735	0.00200	1	06/25/2020 14:52	WG1495380
Arsenic,Dissolved	0.00101	J	0.000735	0.00200	1	06/24/2020 21:53	WG1495349
Barium	0.0157	J	0.00778	0.0200	1	06/25/2020 14:52	WG1495380
Barium,Dissolved	0.0135	J	0.00778	0.0200	1	06/24/2020 21:53	WG1495349
Calcium	357		0.480	1.00	1	06/25/2020 14:52	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 14:52	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 21:53	WG1495349
Iron	0.437		0.0489	0.100	1	06/25/2020 14:52	WG1495380
Iron,Dissolved	0.350		0.0489	0.100	1	06/24/2020 21:53	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 14:52	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 21:53	WG1495349
Manganese	0.617		0.00132	0.00500	1	06/25/2020 14:52	WG1495380
Manganese,Dissolved	0.620		0.00132	0.00500	1	06/24/2020 21:53	WG1495349
Potassium	U		0.534	2.00	1	06/25/2020 14:52	WG1495380
Selenium	U		0.000657	0.00200	1	06/25/2020 14:52	WG1495380
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 21:53	WG1495349
Sodium	152		0.630	2.00	1	06/25/2020 14:52	WG1495380

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.0319	J	0.0314	0.100	1	06/22/2020 06:41	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*06/22/2020 06:41*	WG1496563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/21/2020 16:21	WG1496569
Benzene	U		0.0000941	0.00100	1	06/21/2020 16:21	WG1496569
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 16:21	WG1496569
Bromoform	U		0.000129	0.00100	1	06/21/2020 16:21	WG1496569
Bromomethane	U		0.000605	0.00500	1	06/21/2020 16:21	WG1496569
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 16:21	WG1496569
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 16:21	WG1496569
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 16:21	WG1496569
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 16:21	WG1496569

Received by OCD: 11/22/2022 9:46:04 AM

MW-126A
Collected date/time: 06/16/20 15:05
L1230685

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U	J4	0.000116	0.00100	1	06/21/2020 16:21	WG1496569
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 16:21	WG1496569
Chloroethane	U		0.000192	0.00500	1	06/21/2020 16:21	WG1496569
Chloroform	U		0.000111	0.00500	1	06/21/2020 16:21	WG1496569
Chloromethane	U		0.000960	0.00250	1	06/21/2020 16:21	WG1496569
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 16:21	WG1496569
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 16:21	WG1496569
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 16:21	WG1496569
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 16:21	WG1496569
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 16:21	WG1496569
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 16:21	WG1496569
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 16:21	WG1496569
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	06/21/2020 16:21	WG1496569
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 16:21	WG1496569
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 16:21	WG1496569
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 16:21	WG1496569
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 16:21	WG1496569
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 16:21	WG1496569
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 16:21	WG1496569
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 16:21	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 16:21	WG1496569
Methyl tert-butyl ether	0.000248	J	0.000101	0.00100	1	06/21/2020 16:21	WG1496569
Naphthalene	U		0.00100	0.00500	1	06/21/2020 16:21	WG1496569
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 16:21	WG1496569
Styrene	U		0.000118	0.00100	1	06/21/2020 16:21	WG1496569
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 16:21	WG1496569
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 16:21	WG1496569
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 16:21	WG1496569
Toluene	U		0.000278	0.00100	1	06/21/2020 16:21	WG1496569
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 16:21	WG1496569
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 16:21	WG1496569
Trichloroethene	U	J4	0.000190	0.00100	1	06/21/2020 16:21	WG1496569
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 16:21	WG1496569
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 16:21	WG1496569
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 16:21	WG1496569
o-Xylene	U		0.000174	0.00100	1	06/21/2020 16:21	WG1496569
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 16:21	WG1496569
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 16:21	WG1496569
(S) Toluene-d8	*103*			*80.0-120*		*06/21/2020 16:21*	WG1496569
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*06/21/2020 16:21*	WG1496569
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*06/21/2020 16:21*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.461		0.0247	0.100	1	06/24/2020 03:08	WG1496549
(S) o-Terphenyl	*95.3*			*31.0-160*		*06/24/2020 03:08*	WG1496549

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4010		14.1	50.0	1	06/23/2020 23:41	WG1497357

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.414		0.0500	0.100	1	06/26/2020 18:26	WG1498636

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	272		37.9	100	100	06/25/2020 18:22	WG1497340
Fluoride	0.784		0.0640	0.150	1	06/25/2020 09:24	WG1497340
Sulfate	2440		59.4	500	100	06/25/2020 18:22	WG1497340

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00346		0.000735	0.00200	1	06/25/2020 14:56	WG1495380
Arsenic,Dissolved	0.00390		0.000735	0.00200	1	06/24/2020 21:56	WG1495349
Barium	0.0100	J	0.00778	0.0200	1	06/25/2020 14:56	WG1495380
Barium,Dissolved	0.00876	J	0.00778	0.0200	1	06/24/2020 21:56	WG1495349
Calcium	539		0.480	1.00	1	06/25/2020 14:56	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 14:56	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 21:56	WG1495349
Iron	U		0.0489	0.100	1	06/25/2020 14:56	WG1495380
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 21:56	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 14:56	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 21:56	WG1495349
Manganese	0.0425		0.00132	0.00500	1	06/25/2020 14:56	WG1495380
Manganese,Dissolved	0.0456		0.00132	0.00500	1	06/24/2020 21:56	WG1495349
Potassium	2.27		0.534	2.00	1	06/25/2020 14:56	WG1495380
Selenium	0.00276		0.000657	0.00200	1	06/25/2020 14:56	WG1495380
Selenium,Dissolved	0.00302		0.000657	0.00200	1	06/24/2020 21:56	WG1495349
Sodium	210		0.630	2.00	1	06/25/2020 14:56	WG1495380

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 07:02	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*		*06/22/2020 07:02*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 16:40	WG1496569
Benzene	U		0.0000941	0.00100	1	06/21/2020 16:40	WG1496569
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 16:40	WG1496569
Bromoform	U		0.000129	0.00100	1	06/21/2020 16:40	WG1496569
Bromomethane	U		0.000605	0.00500	1	06/21/2020 16:40	WG1496569
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 16:40	WG1496569
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 16:40	WG1496569
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 16:40	WG1496569
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 16:40	WG1496569

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U	J4	0.000116	0.00100	1	06/21/2020 16:40	WG1496569
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 16:40	WG1496569
Chloroethane	U		0.000192	0.00500	1	06/21/2020 16:40	WG1496569
Chloroform	U		0.000111	0.00500	1	06/21/2020 16:40	WG1496569
Chloromethane	U		0.000960	0.00250	1	06/21/2020 16:40	WG1496569
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 16:40	WG1496569
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 16:40	WG1496569
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 16:40	WG1496569
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 16:40	WG1496569
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 16:40	WG1496569
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 16:40	WG1496569
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 16:40	WG1496569
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	06/21/2020 16:40	WG1496569
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 16:40	WG1496569
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 16:40	WG1496569
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 16:40	WG1496569
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 16:40	WG1496569
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 16:40	WG1496569
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 16:40	WG1496569
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 16:40	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 16:40	WG1496569
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 16:40	WG1496569
Naphthalene	U		0.00100	0.00500	1	06/21/2020 16:40	WG1496569
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 16:40	WG1496569
Styrene	U		0.000118	0.00100	1	06/21/2020 16:40	WG1496569
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 16:40	WG1496569
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 16:40	WG1496569
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 16:40	WG1496569
Toluene	U		0.000278	0.00100	1	06/21/2020 16:40	WG1496569
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 16:40	WG1496569
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 16:40	WG1496569
Trichloroethene	U	J4	0.000190	0.00100	1	06/21/2020 16:40	WG1496569
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 16:40	WG1496569
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 16:40	WG1496569
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 16:40	WG1496569
o-Xylene	U		0.000174	0.00100	1	06/21/2020 16:40	WG1496569
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 16:40	WG1496569
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 16:40	WG1496569
(S) Toluene-d8	*102*			*80.0-120*		*06/21/2020 16:40*	WG1496569
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/21/2020 16:40*	WG1496569
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/21/2020 16:40*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.461		0.0247	0.100	1	06/24/2020 03:34	WG1496549
(S) o-Terphenyl	*94.7*			*31.0-160*		*06/24/2020 03:34*	WG1496549

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	1270		7.05	25.0	1	06/23/2020 23:41	WG1497357

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/26/2020 18:28	WG1498636

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	283		3.79	10.0	10	06/25/2020 10:48	WG1497340
Fluoride	0.865		0.0640	0.150	1	06/25/2020 09:58	WG1497340
Sulfate	24.7		0.594	5.00	1	06/25/2020 09:58	WG1497340

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0241		0.000735	0.00200	1	06/25/2020 14:59	WG1495380
Arsenic,Dissolved	0.0237		0.000735	0.00200	1	06/24/2020 22:00	WG1495349
Barium	2.39		0.00778	0.0200	1	06/25/2020 14:59	WG1495380
Barium,Dissolved	2.32		0.00778	0.0200	1	06/24/2020 22:00	WG1495349
Calcium	153		0.480	1.00	1	06/25/2020 14:59	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 14:59	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 22:00	WG1495349
Iron	1.35		0.0489	0.100	1	06/25/2020 14:59	WG1495380
Iron,Dissolved	1.30		0.0489	0.100	1	06/24/2020 22:00	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 14:59	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 22:00	WG1495349
Manganese	0.294		0.00132	0.00500	1	06/25/2020 14:59	WG1495380
Manganese,Dissolved	0.300		0.00132	0.00500	1	06/24/2020 22:00	WG1495349
Potassium	U		0.534	2.00	1	06/25/2020 14:59	WG1495380
Selenium	U		0.000657	0.00200	1	06/25/2020 14:59	WG1495380
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 22:00	WG1495349
Sodium	163		0.630	2.00	1	06/25/2020 14:59	WG1495380

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	8.68		0.0314	0.100	1	06/22/2020 07:23	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*97.6*			*78.0-120*		*06/22/2020 07:23*	WG1496563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.565	2.50	50	06/25/2020 20:36	WG1499237
Benzene	0.907		0.00471	0.0500	50	06/25/2020 20:36	WG1499237
Bromodichloromethane	U		0.00680	0.0500	50	06/25/2020 20:36	WG1499237
Bromoform	U		0.00645	0.0500	50	06/25/2020 20:36	WG1499237
Bromomethane	U		0.0303	0.250	50	06/25/2020 20:36	WG1499237
n-Butylbenzene	U		0.00785	0.0500	50	06/25/2020 20:36	WG1499237
sec-Butylbenzene	U		0.00625	0.0500	50	06/25/2020 20:36	WG1499237
Carbon disulfide	U		0.00481	0.0500	50	06/25/2020 20:36	WG1499237
Carbon tetrachloride	U		0.00640	0.0500	50	06/25/2020 20:36	WG1499237

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.00580	0.0500	50	06/25/2020 20:36	WG1499237
Chlorodibromomethane	U		0.00700	0.0500	50	06/25/2020 20:36	WG1499237
Chloroethane	U		0.00960	0.250	50	06/25/2020 20:36	WG1499237
Chloroform	U		0.00555	0.250	50	06/25/2020 20:36	WG1499237
Chloromethane	U		0.0480	0.125	50	06/25/2020 20:36	WG1499237
1,2-Dibromoethane	U		0.00630	0.0500	50	06/25/2020 20:36	WG1499237
1,1-Dichloroethane	U		0.00500	0.0500	50	06/25/2020 20:36	WG1499237
1,2-Dichloroethane	U		0.00409	0.0500	50	06/25/2020 20:36	WG1499237
1,1-Dichloroethene	U		0.00940	0.0500	50	06/25/2020 20:36	WG1499237
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	06/25/2020 20:36	WG1499237
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	06/25/2020 20:36	WG1499237
1,2-Dichloropropane	U		0.00745	0.0500	50	06/25/2020 20:36	WG1499237
cis-1,3-Dichloropropene	U		0.00555	0.0500	50	06/25/2020 20:36	WG1499237
trans-1,3-Dichloropropene	U		0.00590	0.0500	50	06/25/2020 20:36	WG1499237
Ethylbenzene	0.0171	J	0.00685	0.0500	50	06/25/2020 20:36	WG1499237
Isopropylbenzene	0.00743	J	0.00525	0.0500	50	06/25/2020 20:36	WG1499237
p-Isopropyltoluene	U		0.00600	0.0500	50	06/25/2020 20:36	WG1499237
2-Butanone (MEK)	U		0.0595	0.500	50	06/25/2020 20:36	WG1499237
2-Hexanone	U		0.0394	0.500	50	06/25/2020 20:36	WG1499237
Methylene Chloride	U		0.0215	0.250	50	06/25/2020 20:36	WG1499237
4-Methyl-2-pentanone (MIBK)	U		0.0239	0.500	50	06/25/2020 20:36	WG1499237
Methyl tert-butyl ether	2.91		0.00505	0.0500	50	06/25/2020 20:36	WG1499237
Naphthalene	U		0.0500	0.250	50	06/25/2020 20:36	WG1499237
n-Propylbenzene	0.0121	J	0.00497	0.0500	50	06/25/2020 20:36	WG1499237
Styrene	U		0.00590	0.0500	50	06/25/2020 20:36	WG1499237
1,1,1,2-Tetrachloroethane	U		0.00735	0.0500	50	06/25/2020 20:36	WG1499237
1,1,2,2-Tetrachloroethane	U		0.00665	0.0500	50	06/25/2020 20:36	WG1499237
Tetrachloroethene	U		0.0150	0.0500	50	06/25/2020 20:36	WG1499237
Toluene	0.150		0.0139	0.0500	50	06/25/2020 20:36	WG1499237
1,1,1-Trichloroethane	U		0.00745	0.0500	50	06/25/2020 20:36	WG1499237
1,1,2-Trichloroethane	U		0.00790	0.0500	50	06/25/2020 20:36	WG1499237
Trichloroethene	U		0.00950	0.0500	50	06/25/2020 20:36	WG1499237
1,2,4-Trimethylbenzene	0.110		0.0161	0.0500	50	06/25/2020 20:36	WG1499237
1,3,5-Trimethylbenzene	0.0408	J	0.00520	0.0500	50	06/25/2020 20:36	WG1499237
Vinyl chloride	U		0.0117	0.0500	50	06/25/2020 20:36	WG1499237
o-Xylene	0.242		0.00870	0.0500	50	06/25/2020 20:36	WG1499237
m&p-Xylene	0.544		0.0215	0.100	50	06/25/2020 20:36	WG1499237
Xylenes, Total	0.786		0.00870	0.150	50	06/25/2020 20:36	WG1499237
(S) Toluene-d8	*103*			*80.0-120*		*06/25/2020 20:36*	WG1499237
(S) 4-Bromofluorobenzene	*99.2*			*77.0-126*		*06/25/2020 20:36*	WG1499237
(S) 1,2-Dichloroethane-d4	*93.1*			*70.0-130*		*06/25/2020 20:36*	WG1499237

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.83		0.0247	0.100	1	06/24/2020 04:00	WG1496549
(S) o-Terphenyl	*106*			*31.0-160*		*06/24/2020 04:00*	WG1496549

Received by OCD: 11/22/2022 9:46:04 AM

MW-37
Collected date/time: 06/16/20 15:25
L1230685

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4840		14.1	50.0	1	06/23/2020 23:41	WG1497357

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	13.8		0.250	0.500	5	06/26/2020 18:29	WG1498636

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	131		3.79	10.0	10	06/25/2020 11:05	WG1497340
Fluoride	2.63		0.640	1.50	10	06/25/2020 11:05	WG1497340
Sulfate	3190		59.4	500	100	06/25/2020 11:22	WG1497340

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00366		0.000735	0.00200	1	06/25/2020 15:02	WG1495380
Arsenic,Dissolved	0.00282		0.000735	0.00200	1	06/24/2020 22:04	WG1495349
Barium	0.0166	J	0.00778	0.0200	1	06/25/2020 15:02	WG1495380
Barium,Dissolved	0.0136	J	0.00778	0.0200	1	06/24/2020 22:04	WG1495349
Calcium	568		0.480	1.00	1	06/25/2020 15:02	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 15:02	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 22:04	WG1495349
Iron	0.358		0.0489	0.100	1	06/25/2020 15:02	WG1495380
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 22:04	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 15:02	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 22:04	WG1495349
Manganese	0.0473		0.00132	0.00500	1	06/25/2020 15:02	WG1495380
Manganese,Dissolved	0.0458		0.00132	0.00500	1	06/24/2020 22:04	WG1495349
Potassium	1.21	J	0.534	2.00	1	06/25/2020 15:02	WG1495380
Selenium	0.0114		0.000657	0.00200	1	06/25/2020 15:02	WG1495380
Selenium,Dissolved	0.0126		0.000657	0.00200	1	06/24/2020 22:04	WG1495349
Sodium	388		0.630	2.00	1	06/25/2020 15:02	WG1495380

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 07:43	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*06/22/2020 07:43*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 16:59	WG1496569
Benzene	U		0.0000941	0.00100	1	06/21/2020 16:59	WG1496569
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 16:59	WG1496569
Bromoform	U		0.000129	0.00100	1	06/21/2020 16:59	WG1496569
Bromomethane	U		0.000605	0.00500	1	06/21/2020 16:59	WG1496569
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 16:59	WG1496569
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 16:59	WG1496569
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 16:59	WG1496569
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 16:59	WG1496569

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U	J4	0.000116	0.00100	1	06/21/2020 16:59	WG1496569
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 16:59	WG1496569
Chloroethane	U		0.000192	0.00500	1	06/21/2020 16:59	WG1496569
Chloroform	U		0.000111	0.00500	1	06/21/2020 16:59	WG1496569
Chloromethane	U		0.000960	0.00250	1	06/21/2020 16:59	WG1496569
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 16:59	WG1496569
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 16:59	WG1496569
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 16:59	WG1496569
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 16:59	WG1496569
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 16:59	WG1496569
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 16:59	WG1496569
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 16:59	WG1496569
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	06/21/2020 16:59	WG1496569
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 16:59	WG1496569
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 16:59	WG1496569
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 16:59	WG1496569
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 16:59	WG1496569
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 16:59	WG1496569
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 16:59	WG1496569
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 16:59	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 16:59	WG1496569
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 16:59	WG1496569
Naphthalene	U		0.00100	0.00500	1	06/21/2020 16:59	WG1496569
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 16:59	WG1496569
Styrene	U		0.000118	0.00100	1	06/21/2020 16:59	WG1496569
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 16:59	WG1496569
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 16:59	WG1496569
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 16:59	WG1496569
Toluene	U		0.000278	0.00100	1	06/21/2020 16:59	WG1496569
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 16:59	WG1496569
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 16:59	WG1496569
Trichloroethene	U	J4	0.000190	0.00100	1	06/21/2020 16:59	WG1496569
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 16:59	WG1496569
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 16:59	WG1496569
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 16:59	WG1496569
o-Xylene	U		0.000174	0.00100	1	06/21/2020 16:59	WG1496569
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 16:59	WG1496569
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 16:59	WG1496569
(S) Toluene-d8	*101*			*80.0-120*		*06/21/2020 16:59*	WG1496569
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/21/2020 16:59*	WG1496569
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/21/2020 16:59*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0661	J	0.0247	0.100	1	06/24/2020 04:26	WG1496549
(S) o-Terphenyl	*81.6*			*31.0-160*		*06/24/2020 04:26*	WG1496549

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	3490		14.1	50.0	1	06/23/2020 23:41	WG1497357

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	7.15		0.250	0.500	5	06/26/2020 18:31	WG1498636

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	06/25/2020 22:29	WG1498827

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	115		37.9	100	100	06/25/2020 12:30	WG1497340
Fluoride	0.587		0.0640	0.150	1	06/25/2020 19:13	WG1497340
Sulfate	2270		59.4	500	100	06/25/2020 12:30	WG1497340

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/21/2020 22:05	WG1495163
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 21:01	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.552		0.0254	0.200	1	06/25/2020 10:20	WG1495366
Boron,Dissolved	0.561		0.0254	0.200	1	06/25/2020 12:45	WG1495344

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00217		0.000735	0.00200	1	06/25/2020 14:45	WG1495380
Arsenic,Dissolved	0.00223		0.000735	0.00200	1	06/24/2020 22:15	WG1495349
Barium	0.0182	J	0.00778	0.0200	1	06/25/2020 14:45	WG1495380
Barium,Dissolved	0.0177	J	0.00778	0.0200	1	06/24/2020 22:15	WG1495349
Cadmium	U		0.000478	0.00100	1	06/25/2020 14:45	WG1495380
Cadmium,Dissolved	U		0.000478	0.00100	1	06/24/2020 22:15	WG1495349
Calcium	519		0.480	1.00	1	06/25/2020 14:45	WG1495380
Chromium	U		0.00149	0.00200	1	06/25/2020 14:45	WG1495380
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 22:15	WG1495349
Cobalt	U		0.000477	0.00200	1	06/25/2020 14:45	WG1495380
Cobalt,Dissolved	U		0.000477	0.00200	1	06/24/2020 22:15	WG1495349
Iron	0.195		0.0489	0.100	1	06/25/2020 14:45	WG1495380
Iron,Dissolved	0.180		0.0489	0.100	1	06/24/2020 22:15	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 14:45	WG1495380
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 22:15	WG1495349
Manganese	0.0199		0.00132	0.00500	1	06/25/2020 14:45	WG1495380
Manganese,Dissolved	0.0179		0.00132	0.00500	1	06/24/2020 22:15	WG1495349
Nickel	0.00213		0.000952	0.00200	1	06/25/2020 14:45	WG1495380
Nickel,Dissolved	0.00126	J	0.000952	0.00200	1	06/24/2020 22:15	WG1495349

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	1.46	J	0.534	2.00	1	06/25/2020 14:45	WG1495380
Selenium	0.00292		0.000657	0.00200	1	06/25/2020 14:45	WG1495380
Selenium,Dissolved	0.00343		0.000657	0.00200	1	06/24/2020 22:15	WG1495349
Sodium	135		0.630	2.00	1	06/25/2020 14:45	WG1495380
Uranium	0.0268		0.00754	0.0200	1	06/25/2020 14:45	WG1495380
Uranium,Dissolved	0.0265		0.00754	0.0200	1	06/24/2020 22:15	WG1495349
Vanadium	0.0112		0.000986	0.00500	1	06/25/2020 14:45	WG1495380
Vanadium,Dissolved	0.0117		0.000986	0.00500	1	06/24/2020 22:15	WG1495349

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 08:04	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*		*06/22/2020 08:04*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 17:18	WG1496569
Benzene	U		0.0000941	0.00100	1	06/21/2020 17:18	WG1496569
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 17:18	WG1496569
Bromoform	U		0.000129	0.00100	1	06/21/2020 17:18	WG1496569
Bromomethane	U		0.000605	0.00500	1	06/21/2020 17:18	WG1496569
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 17:18	WG1496569
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 17:18	WG1496569
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 17:18	WG1496569
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 17:18	WG1496569
Chlorobenzene	U	J4	0.000116	0.00100	1	06/21/2020 17:18	WG1496569
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 17:18	WG1496569
Chloroethane	U		0.000192	0.00500	1	06/21/2020 17:18	WG1496569
Chloroform	U		0.000111	0.00500	1	06/21/2020 17:18	WG1496569
Chloromethane	U		0.000960	0.00250	1	06/21/2020 17:18	WG1496569
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 17:18	WG1496569
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 17:18	WG1496569
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 17:18	WG1496569
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 17:18	WG1496569
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 17:18	WG1496569
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 17:18	WG1496569
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 17:18	WG1496569
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	06/21/2020 17:18	WG1496569
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 17:18	WG1496569
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 17:18	WG1496569
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 17:18	WG1496569
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 17:18	WG1496569
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 17:18	WG1496569
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 17:18	WG1496569
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 17:18	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 17:18	WG1496569
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 17:18	WG1496569
Naphthalene	U		0.00100	0.00500	1	06/21/2020 17:18	WG1496569
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 17:18	WG1496569
Styrene	U		0.000118	0.00100	1	06/21/2020 17:18	WG1496569
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 17:18	WG1496569
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 17:18	WG1496569
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 17:18	WG1496569

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Toluene	U		0.000278	0.00100	1	06/21/2020 17:18	WG1496569
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 17:18	WG1496569
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 17:18	WG1496569
Trichloroethene	U	J4	0.000190	0.00100	1	06/21/2020 17:18	WG1496569
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 17:18	WG1496569
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 17:18	WG1496569
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 17:18	WG1496569
o-Xylene	U		0.000174	0.00100	1	06/21/2020 17:18	WG1496569
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 17:18	WG1496569
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 17:18	WG1496569
(S) Toluene-d8	*101*			*80.0-120*		*06/21/2020 17:18*	WG1496569
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*06/21/2020 17:18*	WG1496569
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/21/2020 17:18*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0477	J	0.0247	0.100	1	06/24/2020 04:52	WG1496549
(S) o-Terphenyl	*87.4*			*31.0-160*		*06/24/2020 04:52*	WG1496549

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3790		14.1	50.0	1	06/23/2020 23:41	WG1497357

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	11.5		0.250	0.500	5	06/26/2020 18:36	WG1498636

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	06/25/2020 22:30	WG1498827

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	120		37.9	100	100	06/25/2020 13:04	WG1497340
Fluoride	0.441		0.0640	0.150	1	06/25/2020 19:30	WG1497340
Sulfate	2460		59.4	500	100	06/25/2020 13:04	WG1497340

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	06/21/2020 22:07	WG1495163
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 21:03	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.594		0.0254	0.200	1	06/25/2020 10:24	WG1495366
Boron,Dissolved	0.613		0.0254	0.200	1	06/25/2020 12:48	WG1495344

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00169	J	0.000735	0.00200	1	06/25/2020 19:31	WG1495381
Arsenic,Dissolved	0.00162	J	0.000735	0.00200	1	06/24/2020 22:18	WG1495349
Barium	0.00835	J	0.00778	0.0200	1	06/25/2020 19:31	WG1495381
Barium,Dissolved	0.00864	J	0.00778	0.0200	1	06/24/2020 22:18	WG1495349
Cadmium	U		0.000478	0.00100	1	06/25/2020 19:31	WG1495381
Cadmium,Dissolved	U		0.000478	0.00100	1	06/24/2020 22:18	WG1495349
Calcium	537		0.480	1.00	1	06/25/2020 19:31	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 19:31	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 22:18	WG1495349
Cobalt	U		0.000477	0.00200	1	06/25/2020 19:31	WG1495381
Cobalt,Dissolved	U		0.000477	0.00200	1	06/24/2020 22:18	WG1495349
Iron	U		0.0489	0.100	1	06/25/2020 19:31	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 22:18	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 19:31	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 22:18	WG1495349
Manganese	U		0.00132	0.00500	1	06/25/2020 19:31	WG1495381
Manganese,Dissolved	U		0.00132	0.00500	1	06/24/2020 22:18	WG1495349
Nickel	U		0.000952	0.00200	1	06/25/2020 19:31	WG1495381
Nickel,Dissolved	U		0.000952	0.00200	1	06/24/2020 22:18	WG1495349

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	0.673	J	0.534	2.00	1	06/25/2020 19:31	WG1495381
Selenium	0.00268		0.000657	0.00200	1	06/25/2020 19:31	WG1495381
Selenium,Dissolved	0.00286		0.000657	0.00200	1	06/24/2020 22:18	WG1495349
Sodium	130		0.630	2.00	1	06/25/2020 19:31	WG1495381
Uranium	0.0275		0.00754	0.0200	1	06/25/2020 19:31	WG1495381
Uranium,Dissolved	0.0276		0.00754	0.0200	1	06/24/2020 22:18	WG1495349
Vanadium	0.0129		0.000986	0.00500	1	06/25/2020 19:31	WG1495381
Vanadium,Dissolved	0.0127		0.000986	0.00500	1	06/24/2020 22:18	WG1495349

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 08:24	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*		*06/22/2020 08:24*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 17:37	WG1496569
Benzene	U		0.0000941	0.00100	1	06/21/2020 17:37	WG1496569
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 17:37	WG1496569
Bromoform	U		0.000129	0.00100	1	06/21/2020 17:37	WG1496569
Bromomethane	U		0.000605	0.00500	1	06/21/2020 17:37	WG1496569
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 17:37	WG1496569
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 17:37	WG1496569
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 17:37	WG1496569
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 17:37	WG1496569
Chlorobenzene	U	J4	0.000116	0.00100	1	06/21/2020 17:37	WG1496569
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 17:37	WG1496569
Chloroethane	U		0.000192	0.00500	1	06/21/2020 17:37	WG1496569
Chloroform	U		0.000111	0.00500	1	06/21/2020 17:37	WG1496569
Chloromethane	U		0.000960	0.00250	1	06/21/2020 17:37	WG1496569
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 17:37	WG1496569
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 17:37	WG1496569
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 17:37	WG1496569
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 17:37	WG1496569
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 17:37	WG1496569
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 17:37	WG1496569
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 17:37	WG1496569
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	06/21/2020 17:37	WG1496569
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 17:37	WG1496569
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 17:37	WG1496569
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 17:37	WG1496569
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 17:37	WG1496569
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 17:37	WG1496569
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 17:37	WG1496569
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 17:37	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 17:37	WG1496569
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 17:37	WG1496569
Naphthalene	U		0.00100	0.00500	1	06/21/2020 17:37	WG1496569
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 17:37	WG1496569
Styrene	U		0.000118	0.00100	1	06/21/2020 17:37	WG1496569
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 17:37	WG1496569
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 17:37	WG1496569
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 17:37	WG1496569

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KWD-12B

SAMPLE RESULTS - 14

Collected date/time: 06/16/20 13:55

L1230685

ONE LAB. NATIONWIDE.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Toluene	U		0.000278	0.00100	1	06/21/2020 17:37	WG1496569
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 17:37	WG1496569
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 17:37	WG1496569
Trichloroethene	U	J4	0.000190	0.00100	1	06/21/2020 17:37	WG1496569
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 17:37	WG1496569
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 17:37	WG1496569
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 17:37	WG1496569
o-Xylene	U		0.000174	0.00100	1	06/21/2020 17:37	WG1496569
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 17:37	WG1496569
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 17:37	WG1496569
(S) Toluene-d8	*102*			*80.0-120*		*06/21/2020 17:37*	WG1496569
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*06/21/2020 17:37*	WG1496569
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*06/21/2020 17:37*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.0305	J	0.0247	0.100	1	06/24/2020 05:18	WG1496549
(S) o-Terphenyl	*85.3*			*31.0-160*		*06/24/2020 05:18*	WG1496549

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	3710		14.1	50.0	1	06/23/2020 23:41	WG1497357

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	14.9		0.250	0.500	5	06/26/2020 18:38	WG1498636

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	06/25/2020 22:31	WG1498827

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	121		37.9	100	100	06/25/2020 13:38	WG1497340
Fluoride	0.791		0.0640	0.150	1	06/25/2020 19:46	WG1497340
Sulfate	2430		59.4	500	100	06/25/2020 13:38	WG1497340

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/21/2020 22:09	WG1495163
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 21:11	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.306		0.0254	0.200	1	06/25/2020 10:27	WG1495366
Boron,Dissolved	0.326		0.0254	0.200	1	06/25/2020 12:57	WG1495344

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00587		0.000735	0.00200	1	06/25/2020 19:46	WG1495381
Arsenic,Dissolved	0.00244		0.000735	0.00200	1	06/24/2020 23:38	WG1495349
Barium	0.0485		0.00778	0.0200	1	06/25/2020 19:46	WG1495381
Barium,Dissolved	0.0141	J	0.00778	0.0200	1	06/24/2020 23:38	WG1495349
Cadmium	U		0.000478	0.00100	1	06/25/2020 19:46	WG1495381
Cadmium,Dissolved	U		0.000478	0.00100	1	06/24/2020 23:38	WG1495349
Calcium	598		0.480	1.00	1	06/25/2020 19:46	WG1495381
Chromium	0.00721		0.00149	0.00200	1	06/25/2020 19:46	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 23:38	WG1495349
Cobalt	0.00163	J	0.000477	0.00200	1	06/25/2020 19:46	WG1495381
Cobalt,Dissolved	U		0.000477	0.00200	1	06/24/2020 23:38	WG1495349
Iron	4.41		0.0489	0.100	1	06/25/2020 19:46	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 23:38	WG1495349
Lead	0.00654		0.00249	0.00500	1	06/25/2020 19:46	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 23:38	WG1495349
Manganese	0.113		0.00132	0.00500	1	06/25/2020 19:46	WG1495381
Manganese,Dissolved	U		0.00132	0.00500	1	06/24/2020 23:38	WG1495349
Nickel	0.0110		0.000952	0.00200	1	06/25/2020 19:46	WG1495381
Nickel,Dissolved	U		0.000952	0.00200	1	06/24/2020 22:22	WG1495349

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KWD-15
Collected date/time: 06/16/20 17:55
L1230685

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	2.10		0.534	2.00	1	06/25/2020 19:46	WG1495381
Selenium	0.0103		0.000657	0.00200	1	06/25/2020 19:46	WG1495381
Selenium,Dissolved	0.00955		0.000657	0.00200	1	06/24/2020 23:38	WG1495349
Sodium	169		0.630	2.00	1	06/25/2020 19:46	WG1495381
Uranium	0.0260		0.00754	0.0200	1	06/25/2020 19:46	WG1495381
Uranium,Dissolved	0.0240		0.00754	0.0200	1	06/24/2020 23:38	WG1495349
Vanadium	0.0327		0.000986	0.00500	1	06/25/2020 19:46	WG1495381
Vanadium,Dissolved	0.0191		0.000986	0.00500	1	06/24/2020 23:38	WG1495349

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 17:56	WG1496569
Benzene	0.000205	J	0.0000941	0.00100	1	06/21/2020 17:56	WG1496569
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 17:56	WG1496569
Bromoform	U		0.000129	0.00100	1	06/21/2020 17:56	WG1496569
Bromomethane	U		0.000605	0.00500	1	06/21/2020 17:56	WG1496569
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 17:56	WG1496569
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 17:56	WG1496569
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 17:56	WG1496569
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 17:56	WG1496569
Chlorobenzene	U	J4	0.000116	0.00100	1	06/21/2020 17:56	WG1496569
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 17:56	WG1496569
Chloroethane	U		0.000192	0.00500	1	06/21/2020 17:56	WG1496569
Chloroform	U		0.000111	0.00500	1	06/21/2020 17:56	WG1496569
Chloromethane	U		0.000960	0.00250	1	06/21/2020 17:56	WG1496569
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 17:56	WG1496569
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 17:56	WG1496569
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 17:56	WG1496569
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 17:56	WG1496569
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 17:56	WG1496569
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 17:56	WG1496569
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 17:56	WG1496569
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	06/21/2020 17:56	WG1496569
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 17:56	WG1496569
Ethylbenzene	0.000234	J	0.000137	0.00100	1	06/21/2020 17:56	WG1496569
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 17:56	WG1496569
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 17:56	WG1496569
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 17:56	WG1496569
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 17:56	WG1496569
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 17:56	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 17:56	WG1496569
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 17:56	WG1496569
Naphthalene	U		0.00100	0.00500	1	06/21/2020 17:56	WG1496569
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 17:56	WG1496569
Styrene	U		0.000118	0.00100	1	06/21/2020 17:56	WG1496569
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 17:56	WG1496569
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 17:56	WG1496569
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 17:56	WG1496569
Toluene	U		0.000278	0.00100	1	06/21/2020 17:56	WG1496569
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 17:56	WG1496569
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 17:56	WG1496569
Trichloroethene	U	J4	0.000190	0.00100	1	06/21/2020 17:56	WG1496569
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 17:56	WG1496569
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 17:56	WG1496569
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 17:56	WG1496569

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KWD-15

SAMPLE RESULTS - 15

Collected date/time: 06/16/20 17:55

L1230685

ONE LAB. NATIONWIDE.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
o-Xylene	U		0.000174	0.00100	1	06/21/2020 17:56	WG1496569
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 17:56	WG1496569
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 17:56	WG1496569
(S) Toluene-d8	*102*			*80.0-120*		*06/21/2020 17:56*	WG1496569
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/21/2020 17:56*	WG1496569
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/21/2020 17:56*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0396	J	0.0247	0.100	1	06/24/2020 05:44	WG1496549
(S) o-Terphenyl	*76.3*			*31.0-160*		*06/24/2020 05:44*	WG1496549

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	7620		56.4	200	1	06/23/2020 23:41	WG1497357

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.500	1.00	10	06/26/2020 18:39	WG1498636

Sample Narrative:

L1230685-16 WG1498636: Dilution due to sulfide interference

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	4480		37.9	100	100	06/25/2020 14:11	WG1497340
Fluoride	4.50		0.0640	0.150	1	06/25/2020 20:03	WG1497340
Sulfate	44.3		0.594	5.00	1	06/25/2020 20:03	WG1497340

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00213		0.000735	0.00200	1	06/25/2020 19:49	WG1495381
Arsenic,Dissolved	0.00189	J	0.000735	0.00200	1	06/24/2020 23:42	WG1495349
Barium	2.61		0.00778	0.0200	1	06/25/2020 19:49	WG1495381
Barium,Dissolved	2.37		0.00778	0.0200	1	06/24/2020 23:42	WG1495349
Calcium	120		0.480	1.00	1	06/25/2020 19:49	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 19:49	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 23:42	WG1495349
Iron	U		0.0489	0.100	1	06/25/2020 19:49	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 23:42	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 19:49	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 23:42	WG1495349
Manganese	0.00522		0.00132	0.00500	1	06/25/2020 19:49	WG1495381
Manganese,Dissolved	0.00496	J	0.00132	0.00500	1	06/24/2020 23:42	WG1495349
Potassium	1.21	J	0.534	2.00	1	06/25/2020 19:49	WG1495381
Selenium	U		0.000657	0.00200	1	06/25/2020 19:49	WG1495381
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 23:42	WG1495349
Sodium	2830		3.15	10.0	5	06/25/2020 20:50	WG1495381

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	5.15		0.314	1.00	10	06/22/2020 08:45	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*06/22/2020 08:45*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	06/21/2020 21:07	WG1496569
Benzene	1.14		0.00188	0.0200	20	06/21/2020 21:07	WG1496569
Bromodichloromethane	U		0.00272	0.0200	20	06/21/2020 21:07	WG1496569
Bromoform	U		0.00258	0.0200	20	06/21/2020 21:07	WG1496569
Bromomethane	U		0.0121	0.100	20	06/21/2020 21:07	WG1496569
n-Butylbenzene	U		0.00314	0.0200	20	06/21/2020 21:07	WG1496569

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MW-103
Collected date/time: 06/16/20 13:10
L1230685

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	0.00370	J	0.00250	0.0200	20	06/21/2020 21:07	WG1496569
Carbon disulfide	0.00218	J	0.00192	0.0200	20	06/21/2020 21:07	WG1496569
Carbon tetrachloride	U		0.00256	0.0200	20	06/21/2020 21:07	WG1496569
Chlorobenzene	U	J4	0.00232	0.0200	20	06/21/2020 21:07	WG1496569
Chlorodibromomethane	U		0.00280	0.0200	20	06/21/2020 21:07	WG1496569
Chloroethane	U		0.00384	0.100	20	06/21/2020 21:07	WG1496569
Chloroform	U		0.00222	0.100	20	06/21/2020 21:07	WG1496569
Chloromethane	U		0.0192	0.0500	20	06/21/2020 21:07	WG1496569
1,2-Dibromoethane	U		0.00252	0.0200	20	06/21/2020 21:07	WG1496569
1,1-Dichloroethane	U		0.00200	0.0200	20	06/21/2020 21:07	WG1496569
1,2-Dichloroethane	U		0.00164	0.0200	20	06/21/2020 21:07	WG1496569
1,1-Dichloroethene	U		0.00376	0.0200	20	06/21/2020 21:07	WG1496569
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	06/21/2020 21:07	WG1496569
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	06/21/2020 21:07	WG1496569
1,2-Dichloropropane	U		0.00298	0.0200	20	06/21/2020 21:07	WG1496569
cis-1,3-Dichloropropene	U	J4	0.00222	0.0200	20	06/21/2020 21:07	WG1496569
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	06/21/2020 21:07	WG1496569
Ethylbenzene	0.00844	J	0.00274	0.0200	20	06/21/2020 21:07	WG1496569
Isopropylbenzene	0.0295		0.00210	0.0200	20	06/21/2020 21:07	WG1496569
p-Isopropyltoluene	U		0.00240	0.0200	20	06/21/2020 21:07	WG1496569
2-Butanone (MEK)	U		0.0238	0.200	20	06/21/2020 21:07	WG1496569
2-Hexanone	U		0.0157	0.200	20	06/21/2020 21:07	WG1496569
Methylene Chloride	U		0.00860	0.100	20	06/21/2020 21:07	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	06/21/2020 21:07	WG1496569
Methyl tert-butyl ether	U		0.00202	0.0200	20	06/21/2020 21:07	WG1496569
Naphthalene	U		0.0200	0.100	20	06/21/2020 21:07	WG1496569
n-Propylbenzene	0.0304		0.00199	0.0200	20	06/21/2020 21:07	WG1496569
Styrene	U		0.00236	0.0200	20	06/21/2020 21:07	WG1496569
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	06/21/2020 21:07	WG1496569
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	06/21/2020 21:07	WG1496569
Tetrachloroethene	U		0.00600	0.0200	20	06/21/2020 21:07	WG1496569
Toluene	0.0121	J	0.00556	0.0200	20	06/21/2020 21:07	WG1496569
1,1,1-Trichloroethane	U		0.00298	0.0200	20	06/21/2020 21:07	WG1496569
1,1,2-Trichloroethane	U		0.00316	0.0200	20	06/21/2020 21:07	WG1496569
Trichloroethene	U	J4	0.00380	0.0200	20	06/21/2020 21:07	WG1496569
1,2,4-Trimethylbenzene	U		0.00644	0.0200	20	06/21/2020 21:07	WG1496569
1,3,5-Trimethylbenzene	U		0.00208	0.0200	20	06/21/2020 21:07	WG1496569
Vinyl chloride	U		0.00468	0.0200	20	06/21/2020 21:07	WG1496569
o-Xylene	U		0.00348	0.0200	20	06/21/2020 21:07	WG1496569
m&p-Xylene	U		0.00860	0.0400	20	06/21/2020 21:07	WG1496569
Xylenes, Total	U		0.00348	0.0600	20	06/21/2020 21:07	WG1496569
(S) Toluene-d8	*104*			*80.0-120*		*06/21/2020 21:07*	WG1496569
(S) 4-Bromofluorobenzene	*112*			*77.0-126*		*06/21/2020 21:07*	WG1496569
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*06/21/2020 21:07*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.08		0.0247	0.100	1	06/24/2020 06:10	WG1496549
(S) o-Terphenyl	*91.1*			*31.0-160*		*06/24/2020 06:10*	WG1496549

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1290		5.64	20.0	1	06/23/2020 23:41	WG1497357

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.250	0.500	5	06/26/2020 18:40	WG1498636

Sample Narrative:

L1230685-17 WG1498636: Dilution due to sulfide interference

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	69.8		0.379	1.00	1	06/25/2020 14:28	WG1497340
Fluoride	1.51		0.0640	0.150	1	06/25/2020 14:28	WG1497340
Sulfate	703		5.94	50.0	10	06/25/2020 15:50	WG1497340

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00181	J	0.000735	0.00200	1	06/25/2020 20:06	WG1495381
Arsenic,Dissolved	0.00145	J	0.000735	0.00200	1	06/24/2020 23:45	WG1495349
Barium	0.0253		0.00778	0.0200	1	06/25/2020 20:06	WG1495381
Barium,Dissolved	0.0231		0.00778	0.0200	1	06/24/2020 23:45	WG1495349
Calcium	224		0.480	1.00	1	06/25/2020 20:06	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 20:06	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/24/2020 23:45	WG1495349
Iron	U		0.0489	0.100	1	06/25/2020 20:06	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/24/2020 23:45	WG1495349
Lead	U		0.00249	0.00500	1	06/25/2020 20:06	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/24/2020 23:45	WG1495349
Manganese	0.0188		0.00132	0.00500	1	06/25/2020 20:06	WG1495381
Manganese,Dissolved	0.0171		0.00132	0.00500	1	06/24/2020 23:45	WG1495349
Potassium	5.03		0.534	2.00	1	06/25/2020 20:06	WG1495381
Selenium	U		0.000657	0.00200	1	06/25/2020 20:06	WG1495381
Selenium,Dissolved	U		0.000657	0.00200	1	06/24/2020 23:45	WG1495349
Sodium	77.2		0.630	2.00	1	06/25/2020 20:06	WG1495381

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.44		0.0314	0.100	1	06/22/2020 09:05	WG1496563
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*06/22/2020 09:05*	WG1496563

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 18:16	WG1496569
Benzene	0.0720		0.0000941	0.00100	1	06/21/2020 18:16	WG1496569
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 18:16	WG1496569
Bromoform	U		0.000129	0.00100	1	06/21/2020 18:16	WG1496569
Bromomethane	U		0.000605	0.00500	1	06/21/2020 18:16	WG1496569
n-Butylbenzene	0.000349	J	0.000157	0.00100	1	06/21/2020 18:16	WG1496569

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	0.0437		0.000125	0.00100	1	06/21/2020 18:16	WG1496569
Carbon disulfide	0.000648	J	0.0000962	0.00100	1	06/21/2020 18:16	WG1496569
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 18:16	WG1496569
Chlorobenzene	U	J4	0.000116	0.00100	1	06/21/2020 18:16	WG1496569
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 18:16	WG1496569
Chloroethane	U		0.000192	0.00500	1	06/21/2020 18:16	WG1496569
Chloroform	U		0.000111	0.00500	1	06/21/2020 18:16	WG1496569
Chloromethane	U		0.000960	0.00250	1	06/21/2020 18:16	WG1496569
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 18:16	WG1496569
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 18:16	WG1496569
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 18:16	WG1496569
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 18:16	WG1496569
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 18:16	WG1496569
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 18:16	WG1496569
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 18:16	WG1496569
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	06/21/2020 18:16	WG1496569
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 18:16	WG1496569
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 18:16	WG1496569
Isopropylbenzene	0.0324		0.000105	0.00100	1	06/21/2020 18:16	WG1496569
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 18:16	WG1496569
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 18:16	WG1496569
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 18:16	WG1496569
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 18:16	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 18:16	WG1496569
Methyl tert-butyl ether	0.000680	J	0.000101	0.00100	1	06/21/2020 18:16	WG1496569
Naphthalene	U		0.00100	0.00500	1	06/21/2020 18:16	WG1496569
n-Propylbenzene	0.00223		0.0000993	0.00100	1	06/21/2020 18:16	WG1496569
Styrene	U		0.000118	0.00100	1	06/21/2020 18:16	WG1496569
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 18:16	WG1496569
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 18:16	WG1496569
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 18:16	WG1496569
Toluene	0.000324	J	0.000278	0.00100	1	06/21/2020 18:16	WG1496569
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 18:16	WG1496569
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 18:16	WG1496569
Trichloroethene	U	J4	0.000190	0.00100	1	06/21/2020 18:16	WG1496569
1,2,4-Trimethylbenzene	0.000486	J	0.000322	0.00100	1	06/21/2020 18:16	WG1496569
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 18:16	WG1496569
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 18:16	WG1496569
o-Xylene	U		0.000174	0.00100	1	06/21/2020 18:16	WG1496569
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 18:16	WG1496569
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 18:16	WG1496569
(S) Toluene-d8	*92.4*			*80.0-120*		*06/21/2020 18:16*	WG1496569
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/21/2020 18:16*	WG1496569
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/21/2020 18:16*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.14		0.0247	0.100	1	06/24/2020 06:36	WG1496549
(S) o-Terphenyl	*110*			*31.0-160*		*06/24/2020 06:36*	WG1496549

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1620		14.1	50.0	1	06/23/2020 23:41	WG1497357

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.100	0.200	2	06/26/2020 18:41	WG1498636

Sample Narrative:

L1230685-18 WG1498636: Dilution due to sulfide interference

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	324		3.79	10.0	10	06/25/2020 16:57	WG1497340
Fluoride	0.993		0.0640	0.150	1	06/25/2020 16:24	WG1497340
Sulfate	5.03		0.594	5.00	1	06/25/2020 16:24	WG1497340

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0246		0.000735	0.00200	1	06/25/2020 20:09	WG1495381
Arsenic,Dissolved	0.0247		0.000735	0.00200	1	06/25/2020 13:58	WG1495350
Barium	2.29		0.00778	0.0200	1	06/25/2020 20:09	WG1495381
Barium,Dissolved	2.27	O1 V	0.00778	0.0200	1	06/25/2020 13:58	WG1495350
Calcium	90.7		0.480	1.00	1	06/25/2020 20:09	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 20:09	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 13:58	WG1495350
Iron	0.349		0.0489	0.100	1	06/25/2020 20:09	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 13:58	WG1495350
Lead	U		0.00249	0.00500	1	06/25/2020 20:09	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 13:58	WG1495350
Manganese	0.0920		0.00132	0.00500	1	06/25/2020 20:09	WG1495381
Manganese,Dissolved	0.0932		0.00132	0.00500	1	06/25/2020 13:58	WG1495350
Potassium	0.655	J	0.534	2.00	1	06/25/2020 20:09	WG1495381
Selenium	U		0.000657	0.00200	1	06/25/2020 20:09	WG1495381
Selenium,Dissolved	U	J5	0.000657	0.00200	1	06/25/2020 13:58	WG1495350
Sodium	350		0.630	2.00	1	06/25/2020 20:09	WG1495381

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	102		3.14	10.0	100	06/24/2020 18:41	WG1497608
(S) a,a,a-Trifluorotoluene(FID)	*94.9*			*78.0-120*		*06/24/2020 18:41*	WG1497608

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		5.65	25.0	500	06/21/2020 22:04	WG1496569
Benzene	27.5		0.0471	0.500	500	06/21/2020 22:04	WG1496569
Bromodichloromethane	U		0.0680	0.500	500	06/21/2020 22:04	WG1496569
Bromoform	U		0.0645	0.500	500	06/21/2020 22:04	WG1496569
Bromomethane	U		0.303	2.50	500	06/21/2020 22:04	WG1496569
n-Butylbenzene	U		0.0785	0.500	500	06/21/2020 22:04	WG1496569

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U		0.0625	0.500	500	06/21/2020 22:04	WG1496569
Carbon disulfide	U		0.0481	0.500	500	06/21/2020 22:04	WG1496569
Carbon tetrachloride	U		0.0640	0.500	500	06/21/2020 22:04	WG1496569
Chlorobenzene	U	J4	0.0580	0.500	500	06/21/2020 22:04	WG1496569
Chlorodibromomethane	U		0.0700	0.500	500	06/21/2020 22:04	WG1496569
Chloroethane	U		0.0960	2.50	500	06/21/2020 22:04	WG1496569
Chloroform	U		0.0555	2.50	500	06/21/2020 22:04	WG1496569
Chloromethane	U		0.480	1.25	500	06/21/2020 22:04	WG1496569
1,2-Dibromoethane	U		0.0630	0.500	500	06/21/2020 22:04	WG1496569
1,1-Dichloroethane	U		0.0500	0.500	500	06/21/2020 22:04	WG1496569
1,2-Dichloroethane	U		0.0409	0.500	500	06/21/2020 22:04	WG1496569
1,1-Dichloroethene	U		0.0940	0.500	500	06/21/2020 22:04	WG1496569
cis-1,2-Dichloroethene	U		0.0630	0.500	500	06/21/2020 22:04	WG1496569
trans-1,2-Dichloroethene	U		0.0745	0.500	500	06/21/2020 22:04	WG1496569
1,2-Dichloropropane	U		0.0745	0.500	500	06/21/2020 22:04	WG1496569
cis-1,3-Dichloropropene	U	J4	0.0555	0.500	500	06/21/2020 22:04	WG1496569
trans-1,3-Dichloropropene	U		0.0590	0.500	500	06/21/2020 22:04	WG1496569
Ethylbenzene	1.76		0.0685	0.500	500	06/21/2020 22:04	WG1496569
Isopropylbenzene	0.0605	J	0.0525	0.500	500	06/21/2020 22:04	WG1496569
p-Isopropyltoluene	U		0.0600	0.500	500	06/21/2020 22:04	WG1496569
2-Butanone (MEK)	U		0.595	5.00	500	06/21/2020 22:04	WG1496569
2-Hexanone	U		0.394	5.00	500	06/21/2020 22:04	WG1496569
Methylene Chloride	U		0.215	2.50	500	06/21/2020 22:04	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.239	5.00	500	06/21/2020 22:04	WG1496569
Methyl tert-butyl ether	0.461	J	0.0505	0.500	500	06/21/2020 22:04	WG1496569
Naphthalene	U		0.500	2.50	500	06/21/2020 22:04	WG1496569
n-Propylbenzene	0.0725	J	0.0497	0.500	500	06/21/2020 22:04	WG1496569
Styrene	U		0.0590	0.500	500	06/21/2020 22:04	WG1496569
1,1,1,2-Tetrachloroethane	U		0.0735	0.500	500	06/21/2020 22:04	WG1496569
1,1,2,2-Tetrachloroethane	U		0.0665	0.500	500	06/21/2020 22:04	WG1496569
Tetrachloroethene	U		0.150	0.500	500	06/21/2020 22:04	WG1496569
Toluene	9.93		0.139	0.500	500	06/21/2020 22:04	WG1496569
1,1,1-Trichloroethane	U		0.0745	0.500	500	06/21/2020 22:04	WG1496569
1,1,2-Trichloroethane	U		0.0790	0.500	500	06/21/2020 22:04	WG1496569
Trichloroethene	U	J4	0.0950	0.500	500	06/21/2020 22:04	WG1496569
1,2,4-Trimethylbenzene	0.453	J	0.161	0.500	500	06/21/2020 22:04	WG1496569
1,3,5-Trimethylbenzene	0.0760	J	0.0520	0.500	500	06/21/2020 22:04	WG1496569
Vinyl chloride	U		0.117	0.500	500	06/21/2020 22:04	WG1496569
o-Xylene	1.03		0.0870	0.500	500	06/21/2020 22:04	WG1496569
m&p-Xylene	3.26		0.215	1.00	500	06/21/2020 22:04	WG1496569
Xylenes, Total	4.29		0.0870	1.50	500	06/21/2020 22:04	WG1496569
(S) Toluene-d8	*101*			*80.0-120*		*06/21/2020 22:04*	WG1496569
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*06/21/2020 22:04*	WG1496569
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*06/21/2020 22:04*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.18		0.0247	0.100	1	06/24/2020 07:02	WG1496549
(S) o-Terphenyl	*109*			*31.0-160*		*06/24/2020 07:02*	WG1496549

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	1610		7.05	25.0	1	06/23/2020 23:41	WG1497357

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/26/2020 18:43	WG1498636

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	285		3.79	10.0	10	06/25/2020 17:31	WG1497340
Fluoride	0.984		0.0640	0.150	1	06/25/2020 17:14	WG1497340
Sulfate	21.2		0.594	5.00	1	06/25/2020 17:14	WG1497340

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0129		0.000735	0.00200	1	06/25/2020 20:13	WG1495381
Arsenic,Dissolved	0.0122		0.000735	0.00200	1	06/25/2020 14:13	WG1495350
Barium	8.69		0.00778	0.0200	1	06/25/2020 20:13	WG1495381
Barium,Dissolved	8.83		0.00778	0.0200	1	06/25/2020 14:13	WG1495350
Calcium	84.2		0.480	1.00	1	06/25/2020 20:13	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 20:13	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 14:13	WG1495350
Iron	0.187		0.0489	0.100	1	06/25/2020 20:13	WG1495381
Iron,Dissolved	0.0939	J	0.0489	0.100	1	06/25/2020 14:13	WG1495350
Lead	0.00498	J	0.00249	0.00500	1	06/25/2020 20:13	WG1495381
Lead,Dissolved	0.00325	J	0.00249	0.00500	1	06/25/2020 14:13	WG1495350
Manganese	0.0370		0.00132	0.00500	1	06/25/2020 20:13	WG1495381
Manganese,Dissolved	0.0371		0.00132	0.00500	1	06/25/2020 14:13	WG1495350
Potassium	U		0.534	2.00	1	06/25/2020 20:13	WG1495381
Selenium	U		0.000657	0.00200	1	06/25/2020 20:13	WG1495381
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 14:13	WG1495350
Sodium	446		0.630	2.00	1	06/25/2020 20:13	WG1495381

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	27.1		3.14	10.0	100	06/24/2020 19:03	WG1497608
(S) a,a,a-Trifluorotoluene(FID)	*95.5*			*78.0-120*		*06/24/2020 19:03*	WG1497608

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		1.13	5.00	100	06/25/2020 20:56	WG1499237
Benzene	7.10		0.00941	0.100	100	06/25/2020 20:56	WG1499237
Bromodichloromethane	U		0.0136	0.100	100	06/25/2020 20:56	WG1499237
Bromoform	U		0.0129	0.100	100	06/25/2020 20:56	WG1499237
Bromomethane	U		0.0605	0.500	100	06/25/2020 20:56	WG1499237
n-Butylbenzene	U		0.0157	0.100	100	06/25/2020 20:56	WG1499237
sec-Butylbenzene	U		0.0125	0.100	100	06/25/2020 20:56	WG1499237
Carbon disulfide	U		0.00962	0.100	100	06/25/2020 20:56	WG1499237
Carbon tetrachloride	U		0.0128	0.100	100	06/25/2020 20:56	WG1499237

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Collected date/time: 06/16/20 16:50
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.0116	0.100	100	06/25/2020 20:56	WG1499237
Chlorodibromomethane	U		0.0140	0.100	100	06/25/2020 20:56	WG1499237
Chloroethane	U		0.0192	0.500	100	06/25/2020 20:56	WG1499237
Chloroform	U		0.0111	0.500	100	06/25/2020 20:56	WG1499237
Chloromethane	U		0.0960	0.250	100	06/25/2020 20:56	WG1499237
1,2-Dibromoethane	U		0.0126	0.100	100	06/25/2020 20:56	WG1499237
1,1-Dichloroethane	U		0.0100	0.100	100	06/25/2020 20:56	WG1499237
1,2-Dichloroethane	U		0.00819	0.100	100	06/25/2020 20:56	WG1499237
1,1-Dichloroethene	U		0.0188	0.100	100	06/25/2020 20:56	WG1499237
cis-1,2-Dichloroethene	U		0.0126	0.100	100	06/25/2020 20:56	WG1499237
trans-1,2-Dichloroethene	U		0.0149	0.100	100	06/25/2020 20:56	WG1499237
1,2-Dichloropropane	U		0.0149	0.100	100	06/25/2020 20:56	WG1499237
cis-1,3-Dichloropropene	U		0.0111	0.100	100	06/25/2020 20:56	WG1499237
trans-1,3-Dichloropropene	U		0.0118	0.100	100	06/25/2020 20:56	WG1499237
Ethylbenzene	0.477		0.0137	0.100	100	06/25/2020 20:56	WG1499237
Isopropylbenzene	0.0273	J	0.0105	0.100	100	06/25/2020 20:56	WG1499237
p-Isopropyltoluene	U		0.0120	0.100	100	06/25/2020 20:56	WG1499237
2-Butanone (MEK)	U		0.119	1.00	100	06/25/2020 20:56	WG1499237
2-Hexanone	U		0.0787	1.00	100	06/25/2020 20:56	WG1499237
Methylene Chloride	U		0.0430	0.500	100	06/25/2020 20:56	WG1499237
4-Methyl-2-pentanone (MIBK)	U		0.0478	1.00	100	06/25/2020 20:56	WG1499237
Methyl tert-butyl ether	0.719		0.0101	0.100	100	06/25/2020 20:56	WG1499237
Naphthalene	0.142	J	0.100	0.500	100	06/25/2020 20:56	WG1499237
n-Propylbenzene	0.0356	J	0.00993	0.100	100	06/25/2020 20:56	WG1499237
Styrene	U		0.0118	0.100	100	06/25/2020 20:56	WG1499237
1,1,1,2-Tetrachloroethane	U		0.0147	0.100	100	06/25/2020 20:56	WG1499237
1,1,2,2-Tetrachloroethane	U		0.0133	0.100	100	06/25/2020 20:56	WG1499237
Tetrachloroethene	U		0.0300	0.100	100	06/25/2020 20:56	WG1499237
Toluene	0.0484	J	0.0278	0.100	100	06/25/2020 20:56	WG1499237
1,1,1-Trichloroethane	U		0.0149	0.100	100	06/25/2020 20:56	WG1499237
1,1,2-Trichloroethane	U		0.0158	0.100	100	06/25/2020 20:56	WG1499237
Trichloroethene	U		0.0190	0.100	100	06/25/2020 20:56	WG1499237
1,2,4-Trimethylbenzene	0.0927	J	0.0322	0.100	100	06/25/2020 20:56	WG1499237
1,3,5-Trimethylbenzene	U		0.0104	0.100	100	06/25/2020 20:56	WG1499237
Vinyl chloride	U		0.0234	0.100	100	06/25/2020 20:56	WG1499237
o-Xylene	U		0.0174	0.100	100	06/25/2020 20:56	WG1499237
m&p-Xylene	0.188	J	0.0430	0.200	100	06/25/2020 20:56	WG1499237
Xylenes, Total	0.188	J	0.0174	0.300	100	06/25/2020 20:56	WG1499237
(S) Toluene-d8	*108*			*80.0-120*		*06/25/2020 20:56*	WG1499237
(S) 4-Bromofluorobenzene	*99.9*			*77.0-126*		*06/25/2020 20:56*	WG1499237
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*		*06/25/2020 20:56*	WG1499237

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.50		0.0247	0.100	1	06/24/2020 07:28	WG1496549
(S) o-Terphenyl	*114*			*31.0-160*		*06/24/2020 07:28*	WG1496549

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4500		14.1	50.0	1	06/23/2020 23:41	WG1497357

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.212	J5	0.0500	0.100	1	06/26/2020 18:44	WG1498636

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	330		37.9	100	100	06/25/2020 18:05	WG1497340
Fluoride	1.19		0.0640	0.150	1	06/25/2020 17:48	WG1497340
Sulfate	2950		59.4	500	100	06/25/2020 18:05	WG1497340

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00388		0.000735	0.00200	1	06/25/2020 20:17	WG1495381
Arsenic,Dissolved	0.00341		0.000735	0.00200	1	06/25/2020 14:17	WG1495350
Barium	0.00983	J	0.00778	0.0200	1	06/25/2020 20:17	WG1495381
Barium,Dissolved	0.00972	J	0.00778	0.0200	1	06/25/2020 14:17	WG1495350
Calcium	543		0.480	1.00	1	06/25/2020 20:17	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 20:17	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 14:17	WG1495350
Iron	U		0.0489	0.100	1	06/25/2020 20:17	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 14:17	WG1495350
Lead	U		0.00249	0.00500	1	06/25/2020 20:17	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 14:17	WG1495350
Manganese	0.431		0.00132	0.00500	1	06/25/2020 20:17	WG1495381
Manganese,Dissolved	0.427		0.00132	0.00500	1	06/25/2020 14:17	WG1495350
Potassium	1.41	J	0.534	2.00	1	06/25/2020 20:17	WG1495381
Selenium	0.00289		0.000657	0.00200	1	06/25/2020 20:17	WG1495381
Selenium,Dissolved	0.00322		0.000657	0.00200	1	06/25/2020 14:17	WG1495350
Sodium	221		0.630	2.00	1	06/25/2020 20:17	WG1495381

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/24/2020 17:35	WG1497608
(S) a,a,a-Trifluorotoluene(FID)	*96.5*			*78.0-120*		*06/24/2020 17:35*	WG1497608

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 18:35	WG1496569
Benzene	U		0.0000941	0.00100	1	06/21/2020 18:35	WG1496569
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 18:35	WG1496569
Bromoform	U		0.000129	0.00100	1	06/21/2020 18:35	WG1496569
Bromomethane	U		0.000605	0.00500	1	06/21/2020 18:35	WG1496569
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 18:35	WG1496569
sec-Butylbenzene	U		0.000125	0.00100	1	06/25/2020 20:15	WG1499237
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 18:35	WG1496569
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 18:35	WG1496569

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U	J4	0.000116	0.00100	1	06/21/2020 18:35	WG1496569
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 18:35	WG1496569
Chloroethane	U		0.000192	0.00500	1	06/21/2020 18:35	WG1496569
Chloroform	U		0.000111	0.00500	1	06/21/2020 18:35	WG1496569
Chloromethane	U		0.000960	0.00250	1	06/21/2020 18:35	WG1496569
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 18:35	WG1496569
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 18:35	WG1496569
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 18:35	WG1496569
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 18:35	WG1496569
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 18:35	WG1496569
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 18:35	WG1496569
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 18:35	WG1496569
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	06/21/2020 18:35	WG1496569
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 18:35	WG1496569
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 18:35	WG1496569
Isopropylbenzene	U		0.000105	0.00100	1	06/25/2020 20:15	WG1499237
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 18:35	WG1496569
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 18:35	WG1496569
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 18:35	WG1496569
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 18:35	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 18:35	WG1496569
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 18:35	WG1496569
Naphthalene	U		0.00100	0.00500	1	06/21/2020 18:35	WG1496569
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 18:35	WG1496569
Styrene	U		0.000118	0.00100	1	06/21/2020 18:35	WG1496569
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 18:35	WG1496569
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 18:35	WG1496569
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 18:35	WG1496569
Toluene	U		0.000278	0.00100	1	06/21/2020 18:35	WG1496569
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 18:35	WG1496569
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 18:35	WG1496569
Trichloroethene	U	J4	0.000190	0.00100	1	06/21/2020 18:35	WG1496569
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 18:35	WG1496569
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 18:35	WG1496569
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 18:35	WG1496569
o-Xylene	U		0.000174	0.00100	1	06/21/2020 18:35	WG1496569
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 18:35	WG1496569
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 18:35	WG1496569
(S) Toluene-d8	*102*			*80.0-120*		*06/21/2020 18:35*	WG1496569
(S) Toluene-d8	*106*			*80.0-120*		*06/25/2020 20:15*	WG1499237
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*06/21/2020 18:35*	WG1496569
(S) 4-Bromofluorobenzene	*99.1*			*77.0-126*		*06/25/2020 20:15*	WG1499237
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/21/2020 18:35*	WG1496569
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*06/25/2020 20:15*	WG1499237

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0700	J	0.0247	0.100	1	06/25/2020 10:06	WG1496549
(S) o-Terphenyl	*76.8*			*31.0-160*		*06/25/2020 10:06*	WG1496549

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	2430		7.05	25.0	1	06/23/2020 23:41	WG1497357

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	1.93		0.0500	0.100	1	06/25/2020 19:01	WG1498637

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	06/25/2020 22:32	WG1498827

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	39.6		0.379	1.00	1	06/25/2020 00:37	WG1497343
Fluoride	0.582		0.0640	0.150	1	06/25/2020 00:37	WG1497343
Sulfate	1560		29.7	250	50	06/25/2020 00:55	WG1497343

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/21/2020 22:11	WG1495163
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 21:13	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.173	J	0.0254	0.200	1	06/25/2020 10:30	WG1495366
Boron,Dissolved	0.184	J	0.0254	0.200	1	06/25/2020 11:51	WG1495344

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00126	J	0.000735	0.00200	1	06/25/2020 20:20	WG1495381
Arsenic,Dissolved	0.00132	J	0.000735	0.00200	1	06/25/2020 14:20	WG1495350
Barium	0.0205		0.00778	0.0200	1	06/25/2020 20:20	WG1495381
Barium,Dissolved	0.0200		0.00778	0.0200	1	06/25/2020 14:20	WG1495350
Cadmium	U		0.000478	0.00100	1	06/25/2020 20:20	WG1495381
Cadmium,Dissolved	U		0.000478	0.00100	1	06/25/2020 14:20	WG1495350
Calcium	440		0.480	1.00	1	06/25/2020 20:20	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 20:20	WG1495381
Chromium,Dissolved	0.00240		0.00149	0.00200	1	06/25/2020 14:20	WG1495350
Cobalt	U		0.000477	0.00200	1	06/25/2020 20:20	WG1495381
Cobalt,Dissolved	U		0.000477	0.00200	1	06/25/2020 14:20	WG1495350
Iron	U		0.0489	0.100	1	06/25/2020 20:20	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 14:20	WG1495350
Lead	U		0.00249	0.00500	1	06/25/2020 20:20	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 14:20	WG1495350
Manganese	U		0.00132	0.00500	1	06/25/2020 20:20	WG1495381
Manganese,Dissolved	0.00488	J	0.00132	0.00500	1	06/25/2020 14:20	WG1495350
Nickel	U		0.000952	0.00200	1	06/25/2020 20:20	WG1495381
Nickel,Dissolved	0.00177	J	0.000952	0.00200	1	06/25/2020 14:20	WG1495350

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	1.93	J	0.534	2.00	1	06/25/2020 20:20	WG1495381
Selenium	0.00389		0.000657	0.00200	1	06/25/2020 20:20	WG1495381
Selenium,Dissolved	0.00421		0.000657	0.00200	1	06/25/2020 14:20	WG1495350
Sodium	30.1		0.630	2.00	1	06/25/2020 20:20	WG1495381
Uranium	0.0167	J	0.00754	0.0200	1	06/25/2020 20:20	WG1495381
Uranium,Dissolved	0.0166	J	0.00754	0.0200	1	06/25/2020 14:20	WG1495350
Vanadium	0.00867		0.000986	0.00500	1	06/25/2020 20:20	WG1495381
Vanadium,Dissolved	0.00878		0.000986	0.00500	1	06/25/2020 14:20	WG1495350

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0421	J	0.0314	0.100	1	06/22/2020 19:34	WG1497063
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*06/22/2020 19:34*	WG1497063

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 18:53	WG1496569
Benzene	U		0.0000941	0.00100	1	06/21/2020 18:53	WG1496569
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 18:53	WG1496569
Bromoform	U		0.000129	0.00100	1	06/21/2020 18:53	WG1496569
Bromomethane	U		0.000605	0.00500	1	06/21/2020 18:53	WG1496569
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 18:53	WG1496569
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 18:53	WG1496569
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 18:53	WG1496569
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 18:53	WG1496569
Chlorobenzene	U	J4	0.000116	0.00100	1	06/21/2020 18:53	WG1496569
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 18:53	WG1496569
Chloroethane	U		0.000192	0.00500	1	06/21/2020 18:53	WG1496569
Chloroform	U		0.000111	0.00500	1	06/21/2020 18:53	WG1496569
Chloromethane	U		0.000960	0.00250	1	06/21/2020 18:53	WG1496569
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 18:53	WG1496569
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 18:53	WG1496569
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 18:53	WG1496569
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 18:53	WG1496569
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 18:53	WG1496569
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 18:53	WG1496569
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 18:53	WG1496569
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	06/21/2020 18:53	WG1496569
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 18:53	WG1496569
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 18:53	WG1496569
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 18:53	WG1496569
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 18:53	WG1496569
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 18:53	WG1496569
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 18:53	WG1496569
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 18:53	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 18:53	WG1496569
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 18:53	WG1496569
Naphthalene	U		0.00100	0.00500	1	06/21/2020 18:53	WG1496569
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 18:53	WG1496569
Styrene	U		0.000118	0.00100	1	06/21/2020 18:53	WG1496569
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 18:53	WG1496569
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 18:53	WG1496569
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 18:53	WG1496569

Received by OCD: 11/22/2022 9:46:04 AM

UG-SR
Collected date/time: 06/16/20 16:30
L1230685

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Toluene	U		0.000278	0.00100	1	06/21/2020 18:53	WG1496569
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 18:53	WG1496569
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 18:53	WG1496569
Trichloroethene	U	J4	0.000190	0.00100	1	06/21/2020 18:53	WG1496569
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 18:53	WG1496569
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 18:53	WG1496569
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 18:53	WG1496569
o-Xylene	U		0.000174	0.00100	1	06/21/2020 18:53	WG1496569
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 18:53	WG1496569
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 18:53	WG1496569
(S) Toluene-d8	*106*			*80.0-120*		*06/21/2020 18:53*	WG1496569
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*06/21/2020 18:53*	WG1496569
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*06/21/2020 18:53*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0478	J	0.0247	0.100	1	06/24/2020 08:20	WG1496549
(S) o-Terphenyl	*84.7*			*31.0-160*		*06/24/2020 08:20*	WG1496549

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

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4210	B	14.1	50.0	1	06/22/2020 23:54	WG1496357

Sample Narrative:

L1230685-23 WG1496357: Redo confirmed initial result.

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.326		0.0500	0.100	1	06/25/2020 19:03	WG1498637

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	06/25/2020 22:33	WG1498827

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	108		1.90	5.00	5	06/25/2020 01:31	WG1497343
Fluoride	0.605		0.0640	0.150	1	06/25/2020 01:13	WG1497343
Sulfate	2810		59.4	500	100	06/25/2020 01:48	WG1497343

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	06/21/2020 22:13	WG1495163
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 21:15	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	1.02		0.0254	0.200	1	06/25/2020 10:34	WG1495366
Boron,Dissolved	1.07		0.0254	0.200	1	06/25/2020 13:00	WG1495344

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00105	J	0.000735	0.00200	1	06/25/2020 20:24	WG1495381
Arsenic,Dissolved	0.00112	J	0.000735	0.00200	1	06/25/2020 14:24	WG1495350
Barium	0.0164	J	0.00778	0.0200	1	06/25/2020 20:24	WG1495381
Barium,Dissolved	0.0156	J	0.00778	0.0200	1	06/25/2020 14:24	WG1495350
Cadmium	U		0.000478	0.00100	1	06/25/2020 20:24	WG1495381
Cadmium,Dissolved	U		0.000478	0.00100	1	06/25/2020 14:24	WG1495350
Calcium	622		0.480	1.00	1	06/25/2020 20:24	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 20:24	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 14:24	WG1495350
Cobalt	U		0.000477	0.00200	1	06/25/2020 20:24	WG1495381
Cobalt,Dissolved	U		0.000477	0.00200	1	06/25/2020 14:24	WG1495350
Iron	U		0.0489	0.100	1	06/25/2020 20:24	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 14:24	WG1495350
Lead	U		0.00249	0.00500	1	06/25/2020 20:24	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 14:24	WG1495350
Manganese	0.00403	J	0.00132	0.00500	1	06/25/2020 20:24	WG1495381

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Manganese,Dissolved	0.00149	J	0.00132	0.00500	1	06/25/2020 14:24	WG1495350
Nickel	0.00177	J	0.000952	0.00200	1	06/25/2020 20:24	WG1495381
Nickel,Dissolved	0.00108	J	0.000952	0.00200	1	06/25/2020 14:24	WG1495350
Potassium	1.78	J	0.534	2.00	1	06/25/2020 20:24	WG1495381
Selenium	0.00925		0.000657	0.00200	1	06/25/2020 20:24	WG1495381
Selenium,Dissolved	0.0104		0.000657	0.00200	1	06/25/2020 14:24	WG1495350
Sodium	168		0.630	2.00	1	06/25/2020 20:24	WG1495381
Uranium	0.0357		0.00754	0.0200	1	06/25/2020 20:24	WG1495381
Uranium,Dissolved	0.0359		0.00754	0.0200	1	06/25/2020 14:24	WG1495350
Vanadium	0.00757		0.000986	0.00500	1	06/25/2020 20:24	WG1495381
Vanadium,Dissolved	0.00739		0.000986	0.00500	1	06/25/2020 14:24	WG1495350

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/24/2020 17:57	WG1497608
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*78.0-120*		*06/24/2020 17:57*	WG1497608

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 19:12	WG1496569
Benzene	U		0.0000941	0.00100	1	06/21/2020 19:12	WG1496569
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 19:12	WG1496569
Bromoform	U		0.000129	0.00100	1	06/21/2020 19:12	WG1496569
Bromomethane	U		0.000605	0.00500	1	06/21/2020 19:12	WG1496569
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 19:12	WG1496569
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 19:12	WG1496569
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 19:12	WG1496569
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 19:12	WG1496569
Chlorobenzene	U	J4	0.000116	0.00100	1	06/21/2020 19:12	WG1496569
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 19:12	WG1496569
Chloroethane	U		0.000192	0.00500	1	06/21/2020 19:12	WG1496569
Chloroform	U		0.000111	0.00500	1	06/21/2020 19:12	WG1496569
Chloromethane	U		0.000960	0.00250	1	06/21/2020 19:12	WG1496569
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 19:12	WG1496569
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 19:12	WG1496569
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 19:12	WG1496569
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 19:12	WG1496569
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 19:12	WG1496569
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 19:12	WG1496569
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 19:12	WG1496569
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	06/21/2020 19:12	WG1496569
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 19:12	WG1496569
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 19:12	WG1496569
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 19:12	WG1496569
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 19:12	WG1496569
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 19:12	WG1496569
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 19:12	WG1496569
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 19:12	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 19:12	WG1496569
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 19:12	WG1496569
Naphthalene	U		0.00100	0.00500	1	06/21/2020 19:12	WG1496569
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 19:12	WG1496569
Styrene	U		0.000118	0.00100	1	06/21/2020 19:12	WG1496569

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 19:12	WG1496569
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 19:12	WG1496569
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 19:12	WG1496569
Toluene	U		0.000278	0.00100	1	06/21/2020 19:12	WG1496569
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 19:12	WG1496569
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 19:12	WG1496569
Trichloroethene	U	J4	0.000190	0.00100	1	06/21/2020 19:12	WG1496569
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 19:12	WG1496569
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 19:12	WG1496569
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 19:12	WG1496569
o-Xylene	U		0.000174	0.00100	1	06/21/2020 19:12	WG1496569
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 19:12	WG1496569
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 19:12	WG1496569
(S) Toluene-d8	*102*			*80.0-120*		*06/21/2020 19:12*	WG1496569
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*06/21/2020 19:12*	WG1496569
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*06/21/2020 19:12*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/22/2020 07:35	WG1495269
(S) o-Terphenyl	*92.1*			*31.0-160*		*06/22/2020 07:35*	WG1495269

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3550	B	14.1	50.0	1	06/22/2020 23:54	WG1496357

Sample Narrative:

L1230685-24 WG1496357: Redo confirms initial result.

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	10.6		0.250	0.500	5	06/25/2020 19:05	WG1498637

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	06/25/2020 22:34	WG1498827

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	97.3		19.0	50.0	50	06/25/2020 02:24	WG1497343
Fluoride	0.784		0.0640	0.150	1	06/25/2020 02:06	WG1497343
Sulfate	2060		29.7	250	50	06/25/2020 02:24	WG1497343

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	06/21/2020 22:15	WG1495163
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 21:17	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.691		0.0254	0.200	1	06/25/2020 10:37	WG1495366
Boron,Dissolved	0.718		0.0254	0.200	1	06/25/2020 13:03	WG1495344

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00139	J	0.000735	0.00200	1	06/25/2020 20:28	WG1495381
Arsenic,Dissolved	0.00113	J	0.000735	0.00200	1	06/25/2020 14:43	WG1495350
Barium	0.0137	J	0.00778	0.0200	1	06/25/2020 20:28	WG1495381
Barium,Dissolved	0.0141	J	0.00778	0.0200	1	06/25/2020 14:43	WG1495350
Cadmium	U		0.000478	0.00100	1	06/25/2020 20:28	WG1495381
Cadmium,Dissolved	U		0.000478	0.00100	1	06/25/2020 14:43	WG1495350
Calcium	503		0.480	1.00	1	06/25/2020 20:28	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 20:28	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 14:43	WG1495350
Cobalt	U		0.000477	0.00200	1	06/25/2020 20:28	WG1495381
Cobalt,Dissolved	U		0.000477	0.00200	1	06/25/2020 14:43	WG1495350
Iron	U		0.0489	0.100	1	06/25/2020 20:28	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 14:43	WG1495350
Lead	U		0.00249	0.00500	1	06/25/2020 20:28	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 14:43	WG1495350
Manganese	U		0.00132	0.00500	1	06/25/2020 20:28	WG1495381

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Manganese,Dissolved	0.00154	J	0.00132	0.00500	1	06/25/2020 14:43	WG1495350
Nickel	0.000984	J	0.000952	0.00200	1	06/25/2020 20:28	WG1495381
Nickel,Dissolved	0.00119	J	0.000952	0.00200	1	06/25/2020 14:43	WG1495350
Potassium	1.16	J	0.534	2.00	1	06/25/2020 20:28	WG1495381
Selenium	0.0131		0.000657	0.00200	1	06/25/2020 20:28	WG1495381
Selenium,Dissolved	0.0153		0.000657	0.00200	1	06/25/2020 14:43	WG1495350
Sodium	84.0		0.630	2.00	1	06/25/2020 20:28	WG1495381
Uranium	0.0385		0.00754	0.0200	1	06/25/2020 20:28	WG1495381
Uranium,Dissolved	0.0390		0.00754	0.0200	1	06/25/2020 14:43	WG1495350
Vanadium	0.0133		0.000986	0.00500	1	06/25/2020 20:28	WG1495381
Vanadium,Dissolved	0.0139		0.000986	0.00500	1	06/25/2020 14:43	WG1495350

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/24/2020 18:19	WG1497608
(S) a,a,a-Trifluorotoluene(FID)	*96.3*			*78.0-120*		*06/24/2020 18:19*	WG1497608

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 19:31	WG1496569
Benzene	U		0.0000941	0.00100	1	06/21/2020 19:31	WG1496569
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 19:31	WG1496569
Bromoform	U		0.000129	0.00100	1	06/21/2020 19:31	WG1496569
Bromomethane	U		0.000605	0.00500	1	06/21/2020 19:31	WG1496569
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 19:31	WG1496569
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 19:31	WG1496569
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 19:31	WG1496569
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 19:31	WG1496569
Chlorobenzene	U	J4	0.000116	0.00100	1	06/21/2020 19:31	WG1496569
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 19:31	WG1496569
Chloroethane	U		0.000192	0.00500	1	06/21/2020 19:31	WG1496569
Chloroform	U		0.000111	0.00500	1	06/21/2020 19:31	WG1496569
Chloromethane	U		0.000960	0.00250	1	06/21/2020 19:31	WG1496569
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 19:31	WG1496569
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 19:31	WG1496569
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 19:31	WG1496569
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 19:31	WG1496569
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 19:31	WG1496569
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 19:31	WG1496569
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 19:31	WG1496569
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	06/21/2020 19:31	WG1496569
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 19:31	WG1496569
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 19:31	WG1496569
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 19:31	WG1496569
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 19:31	WG1496569
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 19:31	WG1496569
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 19:31	WG1496569
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 19:31	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 19:31	WG1496569
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 19:31	WG1496569
Naphthalene	U		0.00100	0.00500	1	06/21/2020 19:31	WG1496569
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 19:31	WG1496569
Styrene	U		0.000118	0.00100	1	06/21/2020 19:31	WG1496569

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 19:31	WG1496569
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 19:31	WG1496569
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 19:31	WG1496569
Toluene	U		0.000278	0.00100	1	06/21/2020 19:31	WG1496569
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 19:31	WG1496569
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 19:31	WG1496569
Trichloroethene	U	J4	0.000190	0.00100	1	06/21/2020 19:31	WG1496569
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 19:31	WG1496569
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 19:31	WG1496569
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 19:31	WG1496569
o-Xylene	U		0.000174	0.00100	1	06/21/2020 19:31	WG1496569
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 19:31	WG1496569
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 19:31	WG1496569
(S) Toluene-d8	*101*			*80.0-120*		*06/21/2020 19:31*	WG1496569
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/21/2020 19:31*	WG1496569
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/21/2020 19:31*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/22/2020 07:58	WG1495269
(S) o-Terphenyl	*85.3*			*31.0-160*		*06/22/2020 07:58*	WG1495269

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2150	B	7.05	25.0	1	06/22/2020 23:54	WG1496357

Sample Narrative:
L1230685-25 WG1496357: Redo confirms initial result.

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	9.75		0.250	0.500	5	06/25/2020 19:06	WG1498637

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	06/25/2020 22:38	WG1498827

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	75.9		0.379	1.00	1	06/25/2020 02:42	WG1497343
Fluoride	1.52		0.0640	0.150	1	06/25/2020 02:42	WG1497343
Sulfate	1190		11.9	100	20	06/25/2020 04:29	WG1497343

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	06/21/2020 22:17	WG1495163
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 21:19	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.274		0.0254	0.200	1	06/25/2020 10:40	WG1495366
Boron,Dissolved	0.296		0.0254	0.200	1	06/25/2020 13:06	WG1495344

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00253		0.000735	0.00200	1	06/25/2020 20:31	WG1495381
Arsenic,Dissolved	0.00241		0.000735	0.00200	1	06/25/2020 14:47	WG1495350
Barium	0.0141	J	0.00778	0.0200	1	06/25/2020 20:31	WG1495381
Barium,Dissolved	0.0140	J	0.00778	0.0200	1	06/25/2020 14:47	WG1495350
Cadmium	U		0.000478	0.00100	1	06/25/2020 20:31	WG1495381
Cadmium,Dissolved	U		0.000478	0.00100	1	06/25/2020 14:47	WG1495350
Calcium	342		0.480	1.00	1	06/25/2020 20:31	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 20:31	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 14:47	WG1495350
Cobalt	U		0.000477	0.00200	1	06/25/2020 20:31	WG1495381
Cobalt,Dissolved	U		0.000477	0.00200	1	06/25/2020 14:47	WG1495350
Iron	U		0.0489	0.100	1	06/25/2020 20:31	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 14:47	WG1495350
Lead	U		0.00249	0.00500	1	06/25/2020 20:31	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 14:47	WG1495350
Manganese	0.00395	J	0.00132	0.00500	1	06/25/2020 20:31	WG1495381

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Manganese,Dissolved	0.00441	J	0.00132	0.00500	1	06/25/2020 14:47	WG1495350
Nickel	0.00250		0.000952	0.00200	1	06/25/2020 20:31	WG1495381
Nickel,Dissolved	0.00278		0.000952	0.00200	1	06/25/2020 14:47	WG1495350
Potassium	1.41	J	0.534	2.00	1	06/25/2020 20:31	WG1495381
Selenium	0.00616		0.000657	0.00200	1	06/25/2020 20:31	WG1495381
Selenium,Dissolved	0.00842		0.000657	0.00200	1	06/25/2020 14:47	WG1495350
Sodium	85.7		0.630	2.00	1	06/25/2020 20:31	WG1495381
Uranium	0.0161	J	0.00754	0.0200	1	06/25/2020 20:31	WG1495381
Uranium,Dissolved	0.0166	J	0.00754	0.0200	1	06/25/2020 14:47	WG1495350
Vanadium	0.0185		0.000986	0.00500	1	06/25/2020 20:31	WG1495381
Vanadium,Dissolved	0.0188		0.000986	0.00500	1	06/25/2020 14:47	WG1495350

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/22/2020 20:43	WG1497063
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*06/22/2020 20:43*	WG1497063

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 19:50	WG1496569
Benzene	U		0.0000941	0.00100	1	06/21/2020 19:50	WG1496569
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 19:50	WG1496569
Bromoform	U		0.000129	0.00100	1	06/21/2020 19:50	WG1496569
Bromomethane	U		0.000605	0.00500	1	06/21/2020 19:50	WG1496569
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 19:50	WG1496569
sec-Butylbenzene	U		0.000125	0.00100	1	06/21/2020 19:50	WG1496569
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 19:50	WG1496569
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 19:50	WG1496569
Chlorobenzene	U	J4	0.000116	0.00100	1	06/21/2020 19:50	WG1496569
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 19:50	WG1496569
Chloroethane	U		0.000192	0.00500	1	06/21/2020 19:50	WG1496569
Chloroform	U		0.000111	0.00500	1	06/21/2020 19:50	WG1496569
Chloromethane	U		0.000960	0.00250	1	06/21/2020 19:50	WG1496569
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 19:50	WG1496569
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 19:50	WG1496569
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 19:50	WG1496569
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 19:50	WG1496569
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 19:50	WG1496569
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 19:50	WG1496569
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 19:50	WG1496569
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	06/21/2020 19:50	WG1496569
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 19:50	WG1496569
Ethylbenzene	U		0.000137	0.00100	1	06/21/2020 19:50	WG1496569
Isopropylbenzene	U		0.000105	0.00100	1	06/21/2020 19:50	WG1496569
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 19:50	WG1496569
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 19:50	WG1496569
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 19:50	WG1496569
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 19:50	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 19:50	WG1496569
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/21/2020 19:50	WG1496569
Naphthalene	U		0.00100	0.00500	1	06/21/2020 19:50	WG1496569
n-Propylbenzene	U		0.0000993	0.00100	1	06/21/2020 19:50	WG1496569
Styrene	U		0.000118	0.00100	1	06/21/2020 19:50	WG1496569

Received by OCD: 11/22/2022 9:46:04 AM

UG-2
Collected date/time: 06/15/20 19:10
L1230685

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 19:50	WG1496569
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 19:50	WG1496569
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 19:50	WG1496569
Toluene	U		0.000278	0.00100	1	06/21/2020 19:50	WG1496569
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 19:50	WG1496569
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 19:50	WG1496569
Trichloroethene	U	J4	0.000190	0.00100	1	06/21/2020 19:50	WG1496569
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 19:50	WG1496569
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 19:50	WG1496569
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 19:50	WG1496569
o-Xylene	U		0.000174	0.00100	1	06/21/2020 19:50	WG1496569
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 19:50	WG1496569
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 19:50	WG1496569
(S) Toluene-d8	*103*			*80.0-120*		*06/21/2020 19:50*	WG1496569
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/21/2020 19:50*	WG1496569
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/21/2020 19:50*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/22/2020 08:20	WG1495269
(S) o-Terphenyl	*87.9*			*31.0-160*		*06/22/2020 08:20*	WG1495269

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

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1330		5.64	20.0	1	06/23/2020 23:41	WG1497357

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/25/2020 19:07	WG1498637

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	202		3.79	10.0	10	06/25/2020 18:29	WG1497343
Fluoride	0.965		0.0640	0.150	1	06/25/2020 04:47	WG1497343
Sulfate	183		5.94	50.0	10	06/25/2020 18:29	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0735		0.000735	0.00200	1	06/25/2020 20:35	WG1495381
Arsenic,Dissolved	0.0487		0.000735	0.00200	1	06/25/2020 14:50	WG1495350
Barium	0.0551		0.00778	0.0200	1	06/25/2020 20:35	WG1495381
Barium,Dissolved	0.0614		0.00778	0.0200	1	06/25/2020 14:50	WG1495350
Calcium	183		0.480	1.00	1	06/25/2020 20:35	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 20:35	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 14:50	WG1495350
Iron	3.42		0.0489	0.100	1	06/25/2020 20:35	WG1495381
Iron,Dissolved	0.623		0.0489	0.100	1	06/25/2020 14:50	WG1495350
Lead	U		0.00249	0.00500	1	06/25/2020 20:35	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 14:50	WG1495350
Manganese	1.15		0.00132	0.00500	1	06/25/2020 20:35	WG1495381
Manganese,Dissolved	1.18		0.00132	0.00500	1	06/25/2020 14:50	WG1495350
Potassium	0.556	J	0.534	2.00	1	06/25/2020 20:35	WG1495381
Selenium	U		0.000657	0.00200	1	06/25/2020 20:35	WG1495381
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 14:50	WG1495350
Sodium	144		0.630	2.00	1	06/25/2020 20:35	WG1495381

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.553		0.0314	0.100	1	06/22/2020 21:06	WG1497063
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*		*06/22/2020 21:06*	WG1497063

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 20:09	WG1496569
Benzene	0.00438		0.0000941	0.00100	1	06/21/2020 20:09	WG1496569
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 20:09	WG1496569
Bromoform	U		0.000129	0.00100	1	06/21/2020 20:09	WG1496569
Bromomethane	U		0.000605	0.00500	1	06/21/2020 20:09	WG1496569
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 20:09	WG1496569
sec-Butylbenzene	0.00174		0.000125	0.00100	1	06/21/2020 20:09	WG1496569
Carbon disulfide	U		0.0000962	0.00100	1	06/21/2020 20:09	WG1496569
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 20:09	WG1496569

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U	J4	0.000116	0.00100	1	06/21/2020 20:09	WG1496569
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 20:09	WG1496569
Chloroethane	U		0.000192	0.00500	1	06/21/2020 20:09	WG1496569
Chloroform	U		0.000111	0.00500	1	06/21/2020 20:09	WG1496569
Chloromethane	U		0.000960	0.00250	1	06/21/2020 20:09	WG1496569
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 20:09	WG1496569
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 20:09	WG1496569
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 20:09	WG1496569
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 20:09	WG1496569
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 20:09	WG1496569
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 20:09	WG1496569
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 20:09	WG1496569
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	06/21/2020 20:09	WG1496569
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 20:09	WG1496569
Ethylbenzene	0.000302	J	0.000137	0.00100	1	06/21/2020 20:09	WG1496569
Isopropylbenzene	0.00538		0.000105	0.00100	1	06/21/2020 20:09	WG1496569
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 20:09	WG1496569
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 20:09	WG1496569
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 20:09	WG1496569
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 20:09	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 20:09	WG1496569
Methyl tert-butyl ether	0.0502		0.000101	0.00100	1	06/21/2020 20:09	WG1496569
Naphthalene	U		0.00100	0.00500	1	06/21/2020 20:09	WG1496569
n-Propylbenzene	0.000369	J	0.0000993	0.00100	1	06/21/2020 20:09	WG1496569
Styrene	U		0.000118	0.00100	1	06/21/2020 20:09	WG1496569
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 20:09	WG1496569
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 20:09	WG1496569
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 20:09	WG1496569
Toluene	U		0.000278	0.00100	1	06/21/2020 20:09	WG1496569
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 20:09	WG1496569
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 20:09	WG1496569
Trichloroethene	U	J4	0.000190	0.00100	1	06/21/2020 20:09	WG1496569
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/21/2020 20:09	WG1496569
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/21/2020 20:09	WG1496569
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 20:09	WG1496569
o-Xylene	U		0.000174	0.00100	1	06/21/2020 20:09	WG1496569
m&p-Xylene	U		0.000430	0.00200	1	06/21/2020 20:09	WG1496569
Xylenes, Total	U		0.000174	0.00300	1	06/21/2020 20:09	WG1496569
(S) Toluene-d8	*98.2*			*80.0-120*		*06/21/2020 20:09*	WG1496569
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/21/2020 20:09*	WG1496569
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/21/2020 20:09*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.85		0.0247	0.100	1	06/24/2020 08:46	WG1496549
(S) o-Terphenyl	*110*			*31.0-160*		*06/24/2020 08:46*	WG1496549

Received by OCD: 11/22/2022 9:46:04 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2410		14.1	50.0	1	06/23/2020 23:41	WG1497357

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/25/2020 19:15	WG1498637

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	97.7		0.379	1.00	1	06/25/2020 05:23	WG1497343
Fluoride	3.45		0.0640	0.150	1	06/25/2020 05:23	WG1497343
Sulfate	821		11.9	100	20	06/25/2020 05:59	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00757		0.000735	0.00200	1	06/25/2020 20:54	WG1495381
Arsenic,Dissolved	0.00754		0.000735	0.00200	1	06/25/2020 14:54	WG1495350
Barium	0.0145	J	0.00778	0.0200	1	06/25/2020 20:54	WG1495381
Barium,Dissolved	0.0141	J	0.00778	0.0200	1	06/25/2020 14:54	WG1495350
Calcium	61.8		0.480	1.00	1	06/25/2020 20:54	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 20:54	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 14:54	WG1495350
Iron	U		0.0489	0.100	1	06/25/2020 20:54	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 14:54	WG1495350
Lead	U		0.00249	0.00500	1	06/25/2020 20:54	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 14:54	WG1495350
Manganese	0.0410		0.00132	0.00500	1	06/25/2020 20:54	WG1495381
Manganese,Dissolved	0.0417		0.00132	0.00500	1	06/25/2020 14:54	WG1495350
Potassium	U		0.534	2.00	1	06/25/2020 20:54	WG1495381
Selenium	U		0.000657	0.00200	1	06/25/2020 20:54	WG1495381
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 14:54	WG1495350
Sodium	721		0.630	2.00	1	06/25/2020 20:54	WG1495381

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.740		0.0314	0.100	1	06/22/2020 21:29	WG1497063
(S) a,a,a-Trifluorotoluene(FID)	*116*			*78.0-120*		*06/22/2020 21:29*	WG1497063

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 20:29	WG1496569
Benzene	0.0289		0.0000941	0.00100	1	06/21/2020 20:29	WG1496569
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 20:29	WG1496569
Bromoform	U		0.000129	0.00100	1	06/21/2020 20:29	WG1496569
Bromomethane	U		0.000605	0.00500	1	06/21/2020 20:29	WG1496569
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 20:29	WG1496569
sec-Butylbenzene	0.00293		0.000125	0.00100	1	06/21/2020 20:29	WG1496569
Carbon disulfide	0.000474	J	0.0000962	0.00100	1	06/21/2020 20:29	WG1496569
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 20:29	WG1496569

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U	J4	0.000116	0.00100	1	06/21/2020 20:29	WG1496569
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 20:29	WG1496569
Chloroethane	U		0.000192	0.00500	1	06/21/2020 20:29	WG1496569
Chloroform	U		0.000111	0.00500	1	06/21/2020 20:29	WG1496569
Chloromethane	U		0.000960	0.00250	1	06/21/2020 20:29	WG1496569
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 20:29	WG1496569
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 20:29	WG1496569
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 20:29	WG1496569
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 20:29	WG1496569
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 20:29	WG1496569
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 20:29	WG1496569
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 20:29	WG1496569
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	06/21/2020 20:29	WG1496569
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 20:29	WG1496569
Ethylbenzene	0.00317		0.000137	0.00100	1	06/21/2020 20:29	WG1496569
Isopropylbenzene	0.0234		0.000105	0.00100	1	06/21/2020 20:29	WG1496569
p-Isopropyltoluene	0.000516	J	0.000120	0.00100	1	06/21/2020 20:29	WG1496569
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 20:29	WG1496569
2-Hexanone	0.00100	J	0.000787	0.0100	1	06/21/2020 20:29	WG1496569
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 20:29	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 20:29	WG1496569
Methyl tert-butyl ether	0.00120		0.000101	0.00100	1	06/21/2020 20:29	WG1496569
Naphthalene	0.00109	J	0.00100	0.00500	1	06/21/2020 20:29	WG1496569
n-Propylbenzene	0.00630		0.0000993	0.00100	1	06/21/2020 20:29	WG1496569
Styrene	U		0.000118	0.00100	1	06/21/2020 20:29	WG1496569
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 20:29	WG1496569
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 20:29	WG1496569
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 20:29	WG1496569
Toluene	0.00195		0.000278	0.00100	1	06/21/2020 20:29	WG1496569
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 20:29	WG1496569
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 20:29	WG1496569
Trichloroethene	U	J4	0.000190	0.00100	1	06/21/2020 20:29	WG1496569
1,2,4-Trimethylbenzene	0.00959		0.000322	0.00100	1	06/21/2020 20:29	WG1496569
1,3,5-Trimethylbenzene	0.00206		0.000104	0.00100	1	06/21/2020 20:29	WG1496569
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 20:29	WG1496569
o-Xylene	0.00886		0.000174	0.00100	1	06/21/2020 20:29	WG1496569
m&p-Xylene	0.0232		0.000430	0.00200	1	06/21/2020 20:29	WG1496569
Xylenes, Total	0.0321		0.000174	0.00300	1	06/21/2020 20:29	WG1496569
(S) Toluene-d8	*97.8*			*80.0-120*		*06/21/2020 20:29*	WG1496569
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*06/21/2020 20:29*	WG1496569
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/21/2020 20:29*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.00		0.0247	0.100	1	06/24/2020 09:12	WG1496549
(S) o-Terphenyl	*111*			*31.0-160*		*06/24/2020 09:12*	WG1496549

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3280		14.1	50.0	1	06/23/2020 23:41	WG1497357

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		5.00	10.0	100	06/25/2020 19:16	WG1498637

Sample Narrative:

L1230685-28 WG1498637: Diluted due to sulfide interfererence.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	239		19.0	50.0	50	06/25/2020 07:29	WG1497343
Fluoride	1.69		0.0640	0.150	1	06/25/2020 06:35	WG1497343
Sulfate	1590		29.7	250	50	06/25/2020 07:29	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000895	J	0.000735	0.00200	1	06/25/2020 20:57	WG1495381
Arsenic,Dissolved	0.000790	J	0.000735	0.00200	1	06/25/2020 14:58	WG1495350
Barium	0.0180	J	0.00778	0.0200	1	06/25/2020 20:57	WG1495381
Barium,Dissolved	0.0165	J	0.00778	0.0200	1	06/25/2020 14:58	WG1495350
Calcium	561		0.480	1.00	1	06/25/2020 20:57	WG1495381
Chromium	0.00316		0.00149	0.00200	1	06/25/2020 20:57	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 14:58	WG1495350
Iron	0.0721	J	0.0489	0.100	1	06/25/2020 20:57	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 14:58	WG1495350
Lead	0.00815		0.00249	0.00500	1	06/25/2020 20:57	WG1495381
Lead,Dissolved	0.00616		0.00249	0.00500	1	06/25/2020 14:58	WG1495350
Manganese	0.0213		0.00132	0.00500	1	06/25/2020 20:57	WG1495381
Manganese,Dissolved	0.0201		0.00132	0.00500	1	06/25/2020 14:58	WG1495350
Potassium	U		0.534	2.00	1	06/25/2020 20:57	WG1495381
Selenium	U		0.000657	0.00200	1	06/25/2020 20:57	WG1495381
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 14:58	WG1495350
Sodium	129		0.630	2.00	1	06/25/2020 20:57	WG1495381

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	16.7		0.628	2.00	20	06/24/2020 19:25	WG1497608
(S) a,a,a-Trifluorotoluene(FID)	*94.6*			*78.0-120*		*06/24/2020 19:25*	WG1497608

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.565	2.50	50	06/21/2020 21:26	WG1496569
Benzene	1.74		0.00471	0.0500	50	06/21/2020 21:26	WG1496569
Bromodichloromethane	U		0.00680	0.0500	50	06/21/2020 21:26	WG1496569
Bromoform	U		0.00645	0.0500	50	06/21/2020 21:26	WG1496569
Bromomethane	U		0.0303	0.250	50	06/21/2020 21:26	WG1496569
n-Butylbenzene	0.00835	J	0.00785	0.0500	50	06/21/2020 21:26	WG1496569

Received by OCD: 11/22/2022 9:46:04 AM

Collected date/time: 06/16/20 13:55
L1230685

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	0.0139	J	0.00625	0.0500	50	06/21/2020 21:26	WG1496569
Carbon disulfide	0.0181	J	0.00481	0.0500	50	06/21/2020 21:26	WG1496569
Carbon tetrachloride	U		0.00640	0.0500	50	06/21/2020 21:26	WG1496569
Chlorobenzene	U	J4	0.00580	0.0500	50	06/21/2020 21:26	WG1496569
Chlorodibromomethane	U		0.00700	0.0500	50	06/21/2020 21:26	WG1496569
Chloroethane	U		0.00960	0.250	50	06/21/2020 21:26	WG1496569
Chloroform	U		0.00555	0.250	50	06/21/2020 21:26	WG1496569
Chloromethane	U		0.0480	0.125	50	06/21/2020 21:26	WG1496569
1,2-Dibromoethane	U		0.00630	0.0500	50	06/21/2020 21:26	WG1496569
1,1-Dichloroethane	U		0.00500	0.0500	50	06/21/2020 21:26	WG1496569
1,2-Dichloroethane	U		0.00409	0.0500	50	06/21/2020 21:26	WG1496569
1,1-Dichloroethene	U		0.00940	0.0500	50	06/21/2020 21:26	WG1496569
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	06/21/2020 21:26	WG1496569
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	06/21/2020 21:26	WG1496569
1,2-Dichloropropane	U		0.00745	0.0500	50	06/21/2020 21:26	WG1496569
cis-1,3-Dichloropropene	U	J4	0.00555	0.0500	50	06/21/2020 21:26	WG1496569
trans-1,3-Dichloropropene	U		0.00590	0.0500	50	06/21/2020 21:26	WG1496569
Ethylbenzene	0.711		0.00685	0.0500	50	06/21/2020 21:26	WG1496569
Isopropylbenzene	0.120		0.00525	0.0500	50	06/21/2020 21:26	WG1496569
p-Isopropyltoluene	0.00660	J	0.00600	0.0500	50	06/21/2020 21:26	WG1496569
2-Butanone (MEK)	U		0.0595	0.500	50	06/21/2020 21:26	WG1496569
2-Hexanone	0.0414	J	0.0394	0.500	50	06/21/2020 21:26	WG1496569
Methylene Chloride	U		0.0215	0.250	50	06/21/2020 21:26	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.0239	0.500	50	06/21/2020 21:26	WG1496569
Methyl tert-butyl ether	U		0.00505	0.0500	50	06/21/2020 21:26	WG1496569
Naphthalene	0.255		0.0500	0.250	50	06/21/2020 21:26	WG1496569
n-Propylbenzene	0.140		0.00497	0.0500	50	06/21/2020 21:26	WG1496569
Styrene	U		0.00590	0.0500	50	06/21/2020 21:26	WG1496569
1,1,1,2-Tetrachloroethane	U		0.00735	0.0500	50	06/21/2020 21:26	WG1496569
1,1,2,2-Tetrachloroethane	U		0.00665	0.0500	50	06/21/2020 21:26	WG1496569
Tetrachloroethene	U		0.0150	0.0500	50	06/21/2020 21:26	WG1496569
Toluene	0.202		0.0139	0.0500	50	06/21/2020 21:26	WG1496569
1,1,1-Trichloroethane	U		0.00745	0.0500	50	06/21/2020 21:26	WG1496569
1,1,2-Trichloroethane	U		0.00790	0.0500	50	06/21/2020 21:26	WG1496569
Trichloroethene	U	J4	0.00950	0.0500	50	06/21/2020 21:26	WG1496569
1,2,4-Trimethylbenzene	0.646		0.0161	0.0500	50	06/21/2020 21:26	WG1496569
1,3,5-Trimethylbenzene	0.110		0.00520	0.0500	50	06/21/2020 21:26	WG1496569
Vinyl chloride	U		0.0117	0.0500	50	06/21/2020 21:26	WG1496569
o-Xylene	0.0256	J	0.00870	0.0500	50	06/21/2020 21:26	WG1496569
m&p-Xylene	2.14		0.0215	0.100	50	06/21/2020 21:26	WG1496569
Xylenes, Total	2.17		0.00870	0.150	50	06/21/2020 21:26	WG1496569
(S) Toluene-d8	*102*			*80.0-120*		*06/21/2020 21:26*	WG1496569
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*06/21/2020 21:26*	WG1496569
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*		*06/21/2020 21:26*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.31		0.0247	0.100	1	06/24/2020 09:38	WG1496549
(S) o-Terphenyl	*111*			*31.0-160*		*06/24/2020 09:38*	WG1496549

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2520		14.1	50.0	1	06/23/2020 23:59	WG1497359

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/25/2020 19:17	WG1498637

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	92.9		0.379	1.00	1	06/25/2020 07:47	WG1497343
Fluoride	3.87		0.0640	0.150	1	06/25/2020 07:47	WG1497343
Sulfate	1450		11.9	100	20	06/25/2020 08:04	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00405		0.000735	0.00200	1	06/25/2020 21:01	WG1495381
Arsenic,Dissolved	0.00387		0.000735	0.00200	1	06/25/2020 15:01	WG1495350
Barium	0.0187	J	0.00778	0.0200	1	06/25/2020 21:01	WG1495381
Barium,Dissolved	0.0192	J	0.00778	0.0200	1	06/25/2020 15:01	WG1495350
Calcium	485		0.480	1.00	1	06/25/2020 21:01	WG1495381
Chromium	0.00188	J	0.00149	0.00200	1	06/25/2020 21:01	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 15:01	WG1495350
Iron	U		0.0489	0.100	1	06/25/2020 21:01	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 15:01	WG1495350
Lead	U		0.00249	0.00500	1	06/25/2020 21:01	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 15:01	WG1495350
Manganese	0.182		0.00132	0.00500	1	06/25/2020 21:01	WG1495381
Manganese,Dissolved	0.175		0.00132	0.00500	1	06/25/2020 15:01	WG1495350
Potassium	4.43		0.534	2.00	1	06/25/2020 21:01	WG1495381
Selenium	U		0.000657	0.00200	1	06/25/2020 21:01	WG1495381
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 15:01	WG1495350
Sodium	151		0.630	2.00	1	06/25/2020 21:01	WG1495381

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.219		0.0314	0.100	1	06/22/2020 22:14	WG1497063
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*		*06/22/2020 22:14*	WG1497063

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/21/2020 20:48	WG1496569
Benzene	0.000205	J	0.0000941	0.00100	1	06/21/2020 20:48	WG1496569
Bromodichloromethane	U		0.000136	0.00100	1	06/21/2020 20:48	WG1496569
Bromoform	U		0.000129	0.00100	1	06/21/2020 20:48	WG1496569
Bromomethane	U		0.000605	0.00500	1	06/21/2020 20:48	WG1496569
n-Butylbenzene	U		0.000157	0.00100	1	06/21/2020 20:48	WG1496569
sec-Butylbenzene	0.000279	J	0.000125	0.00100	1	06/21/2020 20:48	WG1496569
Carbon disulfide	0.000318	J	0.0000962	0.00100	1	06/21/2020 20:48	WG1496569
Carbon tetrachloride	U		0.000128	0.00100	1	06/21/2020 20:48	WG1496569

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U	J4	0.000116	0.00100	1	06/21/2020 20:48	WG1496569
Chlorodibromomethane	U		0.000140	0.00100	1	06/21/2020 20:48	WG1496569
Chloroethane	U		0.000192	0.00500	1	06/21/2020 20:48	WG1496569
Chloroform	U		0.000111	0.00500	1	06/21/2020 20:48	WG1496569
Chloromethane	U		0.000960	0.00250	1	06/21/2020 20:48	WG1496569
1,2-Dibromoethane	U		0.000126	0.00100	1	06/21/2020 20:48	WG1496569
1,1-Dichloroethane	U		0.000100	0.00100	1	06/21/2020 20:48	WG1496569
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/21/2020 20:48	WG1496569
1,1-Dichloroethene	U		0.000188	0.00100	1	06/21/2020 20:48	WG1496569
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/21/2020 20:48	WG1496569
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/21/2020 20:48	WG1496569
1,2-Dichloropropane	U		0.000149	0.00100	1	06/21/2020 20:48	WG1496569
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	06/21/2020 20:48	WG1496569
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/21/2020 20:48	WG1496569
Ethylbenzene	0.000865	J	0.000137	0.00100	1	06/21/2020 20:48	WG1496569
Isopropylbenzene	0.00269		0.000105	0.00100	1	06/21/2020 20:48	WG1496569
p-Isopropyltoluene	U		0.000120	0.00100	1	06/21/2020 20:48	WG1496569
2-Butanone (MEK)	U		0.00119	0.0100	1	06/21/2020 20:48	WG1496569
2-Hexanone	U		0.000787	0.0100	1	06/21/2020 20:48	WG1496569
Methylene Chloride	U		0.000430	0.00500	1	06/21/2020 20:48	WG1496569
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/21/2020 20:48	WG1496569
Methyl tert-butyl ether	0.000418	J	0.000101	0.00100	1	06/21/2020 20:48	WG1496569
Naphthalene	U		0.00100	0.00500	1	06/21/2020 20:48	WG1496569
n-Propylbenzene	0.000158	J	0.0000993	0.00100	1	06/21/2020 20:48	WG1496569
Styrene	U		0.000118	0.00100	1	06/21/2020 20:48	WG1496569
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/21/2020 20:48	WG1496569
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/21/2020 20:48	WG1496569
Tetrachloroethene	U		0.000300	0.00100	1	06/21/2020 20:48	WG1496569
Toluene	0.00150		0.000278	0.00100	1	06/21/2020 20:48	WG1496569
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/21/2020 20:48	WG1496569
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/21/2020 20:48	WG1496569
Trichloroethene	U	J4	0.000190	0.00100	1	06/21/2020 20:48	WG1496569
1,2,4-Trimethylbenzene	0.000959	J	0.000322	0.00100	1	06/21/2020 20:48	WG1496569
1,3,5-Trimethylbenzene	0.000180	J	0.000104	0.00100	1	06/21/2020 20:48	WG1496569
Vinyl chloride	U		0.000234	0.00100	1	06/21/2020 20:48	WG1496569
o-Xylene	0.00235		0.000174	0.00100	1	06/21/2020 20:48	WG1496569
m&p-Xylene	0.00152	J	0.000430	0.00200	1	06/21/2020 20:48	WG1496569
Xylenes, Total	0.00387		0.000174	0.00300	1	06/21/2020 20:48	WG1496569
(S) Toluene-d8	*101*			*80.0-120*		*06/21/2020 20:48*	WG1496569
(S) 4-Bromofluorobenzene	*115*			*77.0-126*		*06/21/2020 20:48*	WG1496569
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/21/2020 20:48*	WG1496569

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.33		0.0247	0.100	1	06/24/2020 10:04	WG1496549
(S) o-Terphenyl	*121*			*31.0-160*		*06/24/2020 10:04*	WG1496549

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2430		14.1	50.0	1	06/23/2020 23:59	WG1497359

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.500	1.00	10	06/25/2020 19:18	WG1498637

Sample Narrative:

L1230685-30 WG1498637: Diluted due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	88.4		0.379	1.00	1	06/25/2020 08:22	WG1497343
Fluoride	1.88		0.0640	0.150	1	06/25/2020 08:22	WG1497343
Sulfate	1380		11.9	100	20	06/25/2020 08:40	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	06/25/2020 21:05	WG1495381
Arsenic,Dissolved	U		0.000735	0.00200	1	06/25/2020 15:05	WG1495350
Barium	0.0218		0.00778	0.0200	1	06/25/2020 21:05	WG1495381
Barium,Dissolved	0.0204		0.00778	0.0200	1	06/25/2020 15:05	WG1495350
Calcium	374		0.480	1.00	1	06/25/2020 21:05	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 21:05	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 15:05	WG1495350
Iron	0.181		0.0489	0.100	1	06/25/2020 21:05	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 15:05	WG1495350
Lead	U		0.00249	0.00500	1	06/25/2020 21:05	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 15:05	WG1495350
Manganese	0.0270		0.00132	0.00500	1	06/25/2020 21:05	WG1495381
Manganese,Dissolved	0.0260		0.00132	0.00500	1	06/25/2020 15:05	WG1495350
Potassium	1.30	J	0.534	2.00	1	06/25/2020 21:05	WG1495381
Selenium	U		0.000657	0.00200	1	06/25/2020 21:05	WG1495381
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 15:05	WG1495350
Sodium	90.4		0.630	2.00	1	06/25/2020 21:05	WG1495381

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.500		0.0314	0.100	1	06/22/2020 22:37	WG1497063
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*06/22/2020 22:37*	WG1497063

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/22/2020 02:12	WG1496571
Benzene	0.000284	J	0.0000941	0.00100	1	06/22/2020 02:12	WG1496571
Bromodichloromethane	U		0.000136	0.00100	1	06/22/2020 02:12	WG1496571
Bromoform	U		0.000129	0.00100	1	06/22/2020 02:12	WG1496571
Bromomethane	U		0.000605	0.00500	1	06/22/2020 02:12	WG1496571
n-Butylbenzene	0.000245	J	0.000157	0.00100	1	06/22/2020 02:12	WG1496571

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	0.0121		0.000125	0.00100	1	06/22/2020 02:12	WG1496571
Carbon disulfide	0.000625	J	0.0000962	0.00100	1	06/22/2020 02:12	WG1496571
Carbon tetrachloride	U		0.000128	0.00100	1	06/22/2020 02:12	WG1496571
Chlorobenzene	U		0.000116	0.00100	1	06/22/2020 02:12	WG1496571
Chlorodibromomethane	U		0.000140	0.00100	1	06/22/2020 02:12	WG1496571
Chloroethane	U		0.000192	0.00500	1	06/22/2020 02:12	WG1496571
Chloroform	U		0.000111	0.00500	1	06/22/2020 02:12	WG1496571
Chloromethane	U		0.000960	0.00250	1	06/22/2020 02:12	WG1496571
1,2-Dibromoethane	U		0.000126	0.00100	1	06/22/2020 02:12	WG1496571
1,1-Dichloroethane	U		0.000100	0.00100	1	06/22/2020 02:12	WG1496571
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/22/2020 02:12	WG1496571
1,1-Dichloroethene	U		0.000188	0.00100	1	06/22/2020 02:12	WG1496571
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/22/2020 02:12	WG1496571
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/22/2020 02:12	WG1496571
1,2-Dichloropropane	U		0.000149	0.00100	1	06/22/2020 02:12	WG1496571
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/22/2020 02:12	WG1496571
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/22/2020 02:12	WG1496571
Ethylbenzene	0.000220	J	0.000137	0.00100	1	06/22/2020 02:12	WG1496571
Isopropylbenzene	0.0484		0.000105	0.00100	1	06/22/2020 02:12	WG1496571
p-Isopropyltoluene	0.000184	J	0.000120	0.00100	1	06/22/2020 02:12	WG1496571
2-Butanone (MEK)	U		0.00119	0.0100	1	06/22/2020 02:12	WG1496571
2-Hexanone	U		0.000787	0.0100	1	06/22/2020 02:12	WG1496571
Methylene Chloride	U		0.000430	0.00500	1	06/22/2020 02:12	WG1496571
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/22/2020 02:12	WG1496571
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/22/2020 02:12	WG1496571
Naphthalene	U		0.00100	0.00500	1	06/22/2020 02:12	WG1496571
n-Propylbenzene	0.00210		0.0000993	0.00100	1	06/22/2020 02:12	WG1496571
Styrene	U		0.000118	0.00100	1	06/22/2020 02:12	WG1496571
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/22/2020 02:12	WG1496571
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/22/2020 02:12	WG1496571
Tetrachloroethene	U		0.000300	0.00100	1	06/22/2020 02:12	WG1496571
Toluene	0.000363	J	0.000278	0.00100	1	06/22/2020 02:12	WG1496571
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/22/2020 02:12	WG1496571
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/22/2020 02:12	WG1496571
Trichloroethene	U		0.000190	0.00100	1	06/22/2020 02:12	WG1496571
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/22/2020 02:12	WG1496571
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/22/2020 02:12	WG1496571
Vinyl chloride	U		0.000234	0.00100	1	06/22/2020 02:12	WG1496571
o-Xylene	U		0.000174	0.00100	1	06/22/2020 02:12	WG1496571
m&p-Xylene	0.00241		0.000430	0.00200	1	06/22/2020 02:12	WG1496571
Xylenes, Total	0.00241	J	0.000174	0.00300	1	06/22/2020 02:12	WG1496571
(S) Toluene-d8	*99.6*			*80.0-120*		*06/22/2020 02:12*	WG1496571
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*		*06/22/2020 02:12*	WG1496571
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/22/2020 02:12*	WG1496571

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.45		0.0247	0.100	1	06/24/2020 10:30	WG1496549
(S) o-Terphenyl	*109*			*31.0-160*		*06/24/2020 10:30*	WG1496549

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	4930		28.2	100	1	06/23/2020 23:59	WG1497359

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/25/2020 19:20	WG1498637

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	875		19.0	50.0	50	06/25/2020 09:16	WG1497343
Fluoride	1.00		0.0640	0.150	1	06/25/2020 08:58	WG1497343
Sulfate	1780		29.7	250	50	06/25/2020 09:16	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0107		0.000735	0.00200	1	06/25/2020 21:08	WG1495381
Arsenic,Dissolved	0.0101		0.000735	0.00200	1	06/25/2020 15:09	WG1495350
Barium	0.0183	J	0.00778	0.0200	1	06/25/2020 21:08	WG1495381
Barium,Dissolved	0.0175	J	0.00778	0.0200	1	06/25/2020 15:09	WG1495350
Calcium	282		0.480	1.00	1	06/25/2020 21:08	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 21:08	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 15:09	WG1495350
Iron	U		0.0489	0.100	1	06/25/2020 21:08	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 15:09	WG1495350
Lead	U		0.00249	0.00500	1	06/25/2020 21:08	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 15:09	WG1495350
Manganese	0.857		0.00132	0.00500	1	06/25/2020 21:08	WG1495381
Manganese,Dissolved	0.838		0.00132	0.00500	1	06/25/2020 15:09	WG1495350
Potassium	0.653	J	0.534	2.00	1	06/25/2020 21:08	WG1495381
Selenium	U		0.000657	0.00200	1	06/25/2020 21:08	WG1495381
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 15:09	WG1495350
Sodium	828		0.630	2.00	1	06/25/2020 21:08	WG1495381

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.309	B	0.0314	0.100	1	06/23/2020 22:32	WG1497847
(S) a,a,a-Trifluorotoluene(FID)	*87.0*			*78.0-120*		*06/23/2020 22:32*	WG1497847

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/22/2020 02:32	WG1496571
Benzene	0.0173		0.0000941	0.00100	1	06/22/2020 02:32	WG1496571
Bromodichloromethane	U		0.000136	0.00100	1	06/22/2020 02:32	WG1496571
Bromoform	U		0.000129	0.00100	1	06/22/2020 02:32	WG1496571
Bromomethane	U		0.000605	0.00500	1	06/22/2020 02:32	WG1496571
n-Butylbenzene	U		0.000157	0.00100	1	06/22/2020 02:32	WG1496571
sec-Butylbenzene	0.00196		0.000125	0.00100	1	06/22/2020 02:32	WG1496571
Carbon disulfide	0.000737	J	0.0000962	0.00100	1	06/22/2020 02:32	WG1496571
Carbon tetrachloride	U		0.000128	0.00100	1	06/22/2020 02:32	WG1496571

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/22/2020 02:32	WG1496571
Chlorodibromomethane	U		0.000140	0.00100	1	06/22/2020 02:32	WG1496571
Chloroethane	U		0.000192	0.00500	1	06/22/2020 02:32	WG1496571
Chloroform	U		0.000111	0.00500	1	06/22/2020 02:32	WG1496571
Chloromethane	U		0.000960	0.00250	1	06/22/2020 02:32	WG1496571
1,2-Dibromoethane	U		0.000126	0.00100	1	06/22/2020 02:32	WG1496571
1,1-Dichloroethane	U		0.000100	0.00100	1	06/22/2020 02:32	WG1496571
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/22/2020 02:32	WG1496571
1,1-Dichloroethene	U		0.000188	0.00100	1	06/22/2020 02:32	WG1496571
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/22/2020 02:32	WG1496571
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/22/2020 02:32	WG1496571
1,2-Dichloropropane	0.00389		0.000149	0.00100	1	06/22/2020 02:32	WG1496571
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/22/2020 02:32	WG1496571
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/22/2020 02:32	WG1496571
Ethylbenzene	U		0.000137	0.00100	1	06/22/2020 02:32	WG1496571
Isopropylbenzene	0.00729		0.000105	0.00100	1	06/22/2020 02:32	WG1496571
p-Isopropyltoluene	U		0.000120	0.00100	1	06/22/2020 02:32	WG1496571
2-Butanone (MEK)	U		0.00119	0.0100	1	06/22/2020 02:32	WG1496571
2-Hexanone	U		0.000787	0.0100	1	06/22/2020 02:32	WG1496571
Methylene Chloride	U		0.000430	0.00500	1	06/22/2020 02:32	WG1496571
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/22/2020 02:32	WG1496571
Methyl tert-butyl ether	0.0254		0.000101	0.00100	1	06/22/2020 02:32	WG1496571
Naphthalene	U		0.00100	0.00500	1	06/22/2020 02:32	WG1496571
n-Propylbenzene	0.00135		0.0000993	0.00100	1	06/22/2020 02:32	WG1496571
Styrene	U		0.000118	0.00100	1	06/22/2020 02:32	WG1496571
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/22/2020 02:32	WG1496571
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/22/2020 02:32	WG1496571
Tetrachloroethene	U		0.000300	0.00100	1	06/22/2020 02:32	WG1496571
Toluene	0.000350	J	0.000278	0.00100	1	06/22/2020 02:32	WG1496571
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/22/2020 02:32	WG1496571
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/22/2020 02:32	WG1496571
Trichloroethene	U		0.000190	0.00100	1	06/22/2020 02:32	WG1496571
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/22/2020 02:32	WG1496571
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/22/2020 02:32	WG1496571
Vinyl chloride	U		0.000234	0.00100	1	06/22/2020 02:32	WG1496571
o-Xylene	U		0.000174	0.00100	1	06/22/2020 02:32	WG1496571
m&p-Xylene	U		0.000430	0.00200	1	06/22/2020 02:32	WG1496571
Xylenes, Total	U		0.000174	0.00300	1	06/22/2020 02:32	WG1496571
(S) Toluene-d8	*103*			*80.0-120*		*06/22/2020 02:32*	WG1496571
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*06/22/2020 02:32*	WG1496571
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/22/2020 02:32*	WG1496571

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.53		0.0247	0.100	1	06/24/2020 10:55	WG1496549
(S) o-Terphenyl	*117*			*31.0-160*		*06/24/2020 10:55*	WG1496549

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3330		14.1	50.0	1	06/23/2020 23:59	WG1497359

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	06/25/2020 19:21	WG1498637

Sample Narrative:

L1230685-32 WG1498637: Diluted due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	469		7.58	20.0	20	06/25/2020 10:04	WG1497343
Fluoride	1.21		0.0640	0.150	1	06/25/2020 09:47	WG1497343
Sulfate	1140		11.9	100	20	06/25/2020 10:04	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00452		0.000735	0.00200	1	06/25/2020 21:12	WG1495381
Arsenic,Dissolved	0.00428		0.000735	0.00200	1	06/25/2020 15:12	WG1495350
Barium	0.0367		0.00778	0.0200	1	06/25/2020 21:12	WG1495381
Barium,Dissolved	0.0370		0.00778	0.0200	1	06/25/2020 15:12	WG1495350
Calcium	293		0.480	1.00	1	06/25/2020 21:12	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 21:12	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 15:12	WG1495350
Iron	U		0.0489	0.100	1	06/25/2020 21:12	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 15:12	WG1495350
Lead	U		0.00249	0.00500	1	06/25/2020 21:12	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 15:12	WG1495350
Manganese	0.355		0.00132	0.00500	1	06/25/2020 21:12	WG1495381
Manganese,Dissolved	0.354		0.00132	0.00500	1	06/25/2020 15:12	WG1495350
Potassium	1.51	J	0.534	2.00	1	06/25/2020 21:12	WG1495381
Selenium	U		0.000657	0.00200	1	06/25/2020 21:12	WG1495381
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 15:12	WG1495350
Sodium	425		0.630	2.00	1	06/25/2020 21:12	WG1495381

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.821		0.0314	0.100	1	06/23/2020 22:54	WG1497847
(S) a,a,a-Trifluorotoluene(FID)	*90.3*			*78.0-120*		*06/23/2020 22:54*	WG1497847

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/22/2020 02:53	WG1496571
Benzene	0.000141	J	0.0000941	0.00100	1	06/22/2020 02:53	WG1496571
Bromodichloromethane	U		0.000136	0.00100	1	06/22/2020 02:53	WG1496571
Bromoform	U		0.000129	0.00100	1	06/22/2020 02:53	WG1496571
Bromomethane	U		0.000605	0.00500	1	06/22/2020 02:53	WG1496571
n-Butylbenzene	0.000462	J	0.000157	0.00100	1	06/22/2020 02:53	WG1496571

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RW-3
Collected date/time: 06/16/20 12:35
L1230685

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	0.0152		0.000125	0.00100	1	06/22/2020 02:53	WG1496571
Carbon disulfide	0.000553	J	0.0000962	0.00100	1	06/22/2020 02:53	WG1496571
Carbon tetrachloride	U		0.000128	0.00100	1	06/22/2020 02:53	WG1496571
Chlorobenzene	U		0.000116	0.00100	1	06/22/2020 02:53	WG1496571
Chlorodibromomethane	U		0.000140	0.00100	1	06/22/2020 02:53	WG1496571
Chloroethane	U		0.000192	0.00500	1	06/22/2020 02:53	WG1496571
Chloroform	U		0.000111	0.00500	1	06/22/2020 02:53	WG1496571
Chloromethane	U		0.000960	0.00250	1	06/22/2020 02:53	WG1496571
1,2-Dibromoethane	U		0.000126	0.00100	1	06/22/2020 02:53	WG1496571
1,1-Dichloroethane	U		0.000100	0.00100	1	06/22/2020 02:53	WG1496571
1,2-Dichloroethane	0.000218	J	0.0000819	0.00100	1	06/22/2020 02:53	WG1496571
1,1-Dichloroethene	U		0.000188	0.00100	1	06/22/2020 02:53	WG1496571
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/22/2020 02:53	WG1496571
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/22/2020 02:53	WG1496571
1,2-Dichloropropane	0.00115		0.000149	0.00100	1	06/22/2020 02:53	WG1496571
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/22/2020 02:53	WG1496571
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/22/2020 02:53	WG1496571
Ethylbenzene	0.000448	J	0.000137	0.00100	1	06/22/2020 02:53	WG1496571
Isopropylbenzene	0.0791		0.000105	0.00100	1	06/22/2020 02:53	WG1496571
p-Isopropyltoluene	0.000410	J	0.000120	0.00100	1	06/22/2020 02:53	WG1496571
2-Butanone (MEK)	U		0.00119	0.0100	1	06/22/2020 02:53	WG1496571
2-Hexanone	U		0.000787	0.0100	1	06/22/2020 02:53	WG1496571
Methylene Chloride	U		0.000430	0.00500	1	06/22/2020 02:53	WG1496571
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/22/2020 02:53	WG1496571
Methyl tert-butyl ether	0.0674		0.000101	0.00100	1	06/22/2020 02:53	WG1496571
Naphthalene	U		0.00100	0.00500	1	06/22/2020 02:53	WG1496571
n-Propylbenzene	0.00201		0.0000993	0.00100	1	06/22/2020 02:53	WG1496571
Styrene	U		0.000118	0.00100	1	06/22/2020 02:53	WG1496571
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/22/2020 02:53	WG1496571
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/22/2020 02:53	WG1496571
Tetrachloroethene	U		0.000300	0.00100	1	06/22/2020 02:53	WG1496571
Toluene	0.00108		0.000278	0.00100	1	06/22/2020 02:53	WG1496571
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/22/2020 02:53	WG1496571
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/22/2020 02:53	WG1496571
Trichloroethene	U		0.000190	0.00100	1	06/22/2020 02:53	WG1496571
1,2,4-Trimethylbenzene	0.000722	J	0.000322	0.00100	1	06/22/2020 02:53	WG1496571
1,3,5-Trimethylbenzene	0.000313	J	0.000104	0.00100	1	06/22/2020 02:53	WG1496571
Vinyl chloride	U		0.000234	0.00100	1	06/22/2020 02:53	WG1496571
o-Xylene	0.000387	J	0.000174	0.00100	1	06/22/2020 02:53	WG1496571
m&p-Xylene	0.000974	J	0.000430	0.00200	1	06/22/2020 02:53	WG1496571
Xylenes, Total	0.00136	J	0.000174	0.00300	1	06/22/2020 02:53	WG1496571
(S) Toluene-d8	*102*			*80.0-120*		*06/22/2020 02:53*	WG1496571
(S) 4-Bromofluorobenzene	*97.7*			*77.0-126*		*06/22/2020 02:53*	WG1496571
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/22/2020 02:53*	WG1496571

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.02		0.0247	0.100	1	06/24/2020 11:21	WG1496549
(S) o-Terphenyl	*118*			*31.0-160*		*06/24/2020 11:21*	WG1496549

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3610		14.1	50.0	1	06/23/2020 23:59	WG1497359

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/25/2020 19:22	WG1498637

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	383		19.0	50.0	50	06/25/2020 11:16	WG1497343
Fluoride	1.71		0.0640	0.150	1	06/25/2020 10:22	WG1497343
Sulfate	1890		29.7	250	50	06/25/2020 11:16	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00842		0.000735	0.00200	1	06/25/2020 21:16	WG1495381
Arsenic,Dissolved	0.00598		0.000735	0.00200	1	06/25/2020 15:16	WG1495350
Barium	0.0172	J	0.00778	0.0200	1	06/25/2020 21:16	WG1495381
Barium,Dissolved	0.0170	J	0.00778	0.0200	1	06/25/2020 15:16	WG1495350
Calcium	396		0.480	1.00	1	06/25/2020 21:16	WG1495381
Chromium	U		0.00149	0.00200	1	06/25/2020 21:16	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 15:16	WG1495350
Iron	0.0632	J	0.0489	0.100	1	06/25/2020 21:16	WG1495381
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 15:16	WG1495350
Lead	U		0.00249	0.00500	1	06/25/2020 21:16	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 15:16	WG1495350
Manganese	0.258		0.00132	0.00500	1	06/25/2020 21:16	WG1495381
Manganese,Dissolved	0.249		0.00132	0.00500	1	06/25/2020 15:16	WG1495350
Potassium	2.03		0.534	2.00	1	06/25/2020 21:16	WG1495381
Selenium	U		0.000657	0.00200	1	06/25/2020 22:12	WG1495381
Selenium,Dissolved	0.00119	J	0.000657	0.00200	1	06/25/2020 15:16	WG1495350
Sodium	356		0.630	2.00	1	06/25/2020 21:16	WG1495381

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0764	B J	0.0314	0.100	1	06/23/2020 23:16	WG1497847
(S) a,a,a-Trifluorotoluene(FID)	*89.9*			*78.0-120*		*06/23/2020 23:16*	WG1497847

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/22/2020 03:14	WG1496571
Benzene	U		0.0000941	0.00100	1	06/22/2020 03:14	WG1496571
Bromodichloromethane	U		0.000136	0.00100	1	06/22/2020 03:14	WG1496571
Bromoform	U		0.000129	0.00100	1	06/22/2020 03:14	WG1496571
Bromomethane	U		0.000605	0.00500	1	06/22/2020 03:14	WG1496571
n-Butylbenzene	U		0.000157	0.00100	1	06/22/2020 03:14	WG1496571
sec-Butylbenzene	0.000143	J	0.000125	0.00100	1	06/22/2020 03:14	WG1496571
Carbon disulfide	0.000212	J	0.0000962	0.00100	1	06/22/2020 03:14	WG1496571
Carbon tetrachloride	U		0.000128	0.00100	1	06/22/2020 03:14	WG1496571

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/22/2020 03:14	WG1496571
Chlorodibromomethane	U		0.000140	0.00100	1	06/22/2020 03:14	WG1496571
Chloroethane	U		0.000192	0.00500	1	06/22/2020 03:14	WG1496571
Chloroform	U		0.000111	0.00500	1	06/22/2020 03:14	WG1496571
Chloromethane	U		0.000960	0.00250	1	06/22/2020 03:14	WG1496571
1,2-Dibromoethane	U		0.000126	0.00100	1	06/22/2020 03:14	WG1496571
1,1-Dichloroethane	U		0.000100	0.00100	1	06/22/2020 03:14	WG1496571
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/22/2020 03:14	WG1496571
1,1-Dichloroethene	U		0.000188	0.00100	1	06/22/2020 03:14	WG1496571
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/22/2020 03:14	WG1496571
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/22/2020 03:14	WG1496571
1,2-Dichloropropane	U		0.000149	0.00100	1	06/22/2020 03:14	WG1496571
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/22/2020 03:14	WG1496571
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/22/2020 03:14	WG1496571
Ethylbenzene	U		0.000137	0.00100	1	06/22/2020 03:14	WG1496571
Isopropylbenzene	0.000183	J	0.000105	0.00100	1	06/22/2020 03:14	WG1496571
p-Isopropyltoluene	U		0.000120	0.00100	1	06/22/2020 03:14	WG1496571
2-Butanone (MEK)	U		0.00119	0.0100	1	06/22/2020 03:14	WG1496571
2-Hexanone	U		0.000787	0.0100	1	06/22/2020 03:14	WG1496571
Methylene Chloride	U		0.000430	0.00500	1	06/22/2020 03:14	WG1496571
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/22/2020 03:14	WG1496571
Methyl tert-butyl ether	0.00162		0.000101	0.00100	1	06/22/2020 03:14	WG1496571
Naphthalene	U		0.00100	0.00500	1	06/22/2020 03:14	WG1496571
n-Propylbenzene	U		0.0000993	0.00100	1	06/22/2020 03:14	WG1496571
Styrene	U		0.000118	0.00100	1	06/22/2020 03:14	WG1496571
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/22/2020 03:14	WG1496571
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/22/2020 03:14	WG1496571
Tetrachloroethene	U		0.000300	0.00100	1	06/22/2020 03:14	WG1496571
Toluene	U		0.000278	0.00100	1	06/22/2020 03:14	WG1496571
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/22/2020 03:14	WG1496571
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/22/2020 03:14	WG1496571
Trichloroethene	U		0.000190	0.00100	1	06/22/2020 03:14	WG1496571
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/22/2020 03:14	WG1496571
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/22/2020 03:14	WG1496571
Vinyl chloride	U		0.000234	0.00100	1	06/22/2020 03:14	WG1496571
o-Xylene	U		0.000174	0.00100	1	06/22/2020 03:14	WG1496571
m&p-Xylene	U		0.000430	0.00200	1	06/22/2020 03:14	WG1496571
Xylenes, Total	U		0.000174	0.00300	1	06/22/2020 03:14	WG1496571
(S) Toluene-d8	*103*			*80.0-120*		*06/22/2020 03:14*	WG1496571
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/22/2020 03:14*	WG1496571
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/22/2020 03:14*	WG1496571

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.75		0.0247	0.100	1	06/25/2020 15:52	WG1496551
(S) o-Terphenyl	*103*			*31.0-160*		*06/25/2020 15:52*	WG1496551

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4720		14.1	50.0	1	06/23/2020 23:59	WG1497359

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/25/2020 19:25	WG1498637

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	181		37.9	100	100	06/25/2020 11:52	WG1497343
Fluoride	3.78		0.0640	0.150	1	06/25/2020 11:34	WG1497343
Sulfate	2970		59.4	500	100	06/25/2020 11:52	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0267		0.000735	0.00200	1	06/25/2020 21:19	WG1495381
Arsenic,Dissolved	0.0242		0.000735	0.00200	1	06/25/2020 15:35	WG1495350
Barium	0.0591		0.00778	0.0200	1	06/25/2020 21:19	WG1495381
Barium,Dissolved	0.0195	J	0.00778	0.0200	1	06/25/2020 15:35	WG1495350
Calcium	516		0.480	1.00	1	06/25/2020 21:19	WG1495381
Chromium	0.00287		0.00149	0.00200	1	06/25/2020 21:19	WG1495381
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 15:35	WG1495350
Iron	1.10		0.0489	0.100	1	06/25/2020 21:19	WG1495381
Iron,Dissolved	0.100		0.0489	0.100	1	06/25/2020 15:35	WG1495350
Lead	0.00385	J	0.00249	0.00500	1	06/25/2020 21:19	WG1495381
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 15:35	WG1495350
Manganese	0.0348		0.00132	0.00500	1	06/25/2020 21:19	WG1495381
Manganese,Dissolved	0.0546		0.00132	0.00500	1	06/25/2020 15:35	WG1495350
Potassium	1.65	J	0.534	2.00	1	06/25/2020 21:19	WG1495381
Selenium	0.0922		0.000657	0.00200	1	06/25/2020 21:19	WG1495381
Selenium,Dissolved	0.0777		0.000657	0.00200	1	06/25/2020 15:35	WG1495350
Sodium	492		0.630	2.00	1	06/25/2020 21:19	WG1495381

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	0.0228	J	0.0113	0.0500	1	06/22/2020 03:34	WG1496571
Benzene	U		0.0000941	0.00100	1	06/22/2020 03:34	WG1496571
Bromodichloromethane	U		0.000136	0.00100	1	06/22/2020 03:34	WG1496571
Bromoform	U		0.000129	0.00100	1	06/22/2020 03:34	WG1496571
Bromomethane	U		0.000605	0.00500	1	06/22/2020 03:34	WG1496571
n-Butylbenzene	U		0.000157	0.00100	1	06/22/2020 03:34	WG1496571
sec-Butylbenzene	U		0.000125	0.00100	1	06/22/2020 03:34	WG1496571
Carbon disulfide	U		0.0000962	0.00100	1	06/22/2020 03:34	WG1496571
Carbon tetrachloride	U		0.000128	0.00100	1	06/22/2020 03:34	WG1496571
Chlorobenzene	U		0.000116	0.00100	1	06/22/2020 03:34	WG1496571
Chlorodibromomethane	U		0.000140	0.00100	1	06/22/2020 03:34	WG1496571
Chloroethane	U		0.000192	0.00500	1	06/22/2020 03:34	WG1496571
Chloroform	U		0.000111	0.00500	1	06/22/2020 03:34	WG1496571
Chloromethane	U		0.000960	0.00250	1	06/22/2020 03:34	WG1496571
1,2-Dibromoethane	U		0.000126	0.00100	1	06/22/2020 03:34	WG1496571
1,1-Dichloroethane	U		0.000100	0.00100	1	06/22/2020 03:34	WG1496571

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/22/2020 03:34	WG1496571
1,1-Dichloroethene	U		0.000188	0.00100	1	06/22/2020 03:34	WG1496571
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/22/2020 03:34	WG1496571
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/22/2020 03:34	WG1496571
1,2-Dichloropropane	U		0.000149	0.00100	1	06/22/2020 03:34	WG1496571
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/22/2020 03:34	WG1496571
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/22/2020 03:34	WG1496571
Ethylbenzene	0.000328	J	0.000137	0.00100	1	06/22/2020 03:34	WG1496571
Isopropylbenzene	U		0.000105	0.00100	1	06/22/2020 03:34	WG1496571
p-Isopropyltoluene	U		0.000120	0.00100	1	06/22/2020 03:34	WG1496571
2-Butanone (MEK)	0.0142		0.00119	0.0100	1	06/22/2020 03:34	WG1496571
2-Hexanone	0.00117	J	0.000787	0.0100	1	06/22/2020 03:34	WG1496571
Methylene Chloride	U		0.000430	0.00500	1	06/22/2020 03:34	WG1496571
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/22/2020 03:34	WG1496571
Methyl tert-butyl ether	0.00482		0.000101	0.00100	1	06/22/2020 03:34	WG1496571
Naphthalene	U		0.00100	0.00500	1	06/22/2020 03:34	WG1496571
n-Propylbenzene	U		0.0000993	0.00100	1	06/22/2020 03:34	WG1496571
Styrene	U		0.000118	0.00100	1	06/22/2020 03:34	WG1496571
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/22/2020 03:34	WG1496571
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/22/2020 03:34	WG1496571
Tetrachloroethene	U		0.000300	0.00100	1	06/22/2020 03:34	WG1496571
Toluene	0.000428	J	0.000278	0.00100	1	06/22/2020 03:34	WG1496571
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/22/2020 03:34	WG1496571
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/22/2020 03:34	WG1496571
Trichloroethene	U		0.000190	0.00100	1	06/22/2020 03:34	WG1496571
1,2,4-Trimethylbenzene	0.000398	J	0.000322	0.00100	1	06/22/2020 03:34	WG1496571
1,3,5-Trimethylbenzene	0.000156	J	0.000104	0.00100	1	06/22/2020 03:34	WG1496571
Vinyl chloride	U		0.000234	0.00100	1	06/22/2020 03:34	WG1496571
o-Xylene	0.000377	J	0.000174	0.00100	1	06/22/2020 03:34	WG1496571
m&p-Xylene	0.000872	J	0.000430	0.00200	1	06/22/2020 03:34	WG1496571
Xylenes, Total	0.00125	J	0.000174	0.00300	1	06/22/2020 03:34	WG1496571
(S) Toluene-d8	*105*			*80.0-120*		*06/22/2020 03:34*	WG1496571
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/22/2020 03:34*	WG1496571
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/22/2020 03:34*	WG1496571

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.12		0.0247	0.100	1	06/25/2020 16:17	WG1496551
(S) o-Terphenyl	*104*			*31.0-160*		*06/25/2020 16:17*	WG1496551

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2890		14.1	50.0	1	06/23/2020 23:59	WG1497359

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		10.0	20.0	200	06/25/2020 19:30	WG1498637

Sample Narrative:

L1230685-35 WG1498637: Diluted due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	206		19.0	50.0	50	06/25/2020 12:28	WG1497343
Fluoride	1.11		0.0640	0.150	1	06/25/2020 12:10	WG1497343
Sulfate	1130		29.7	250	50	06/25/2020 12:28	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0201		0.000735	0.00200	1	06/25/2020 01:14	WG1495382
Arsenic,Dissolved	0.0209		0.000735	0.00200	1	06/25/2020 15:39	WG1495350
Barium	0.0341		0.00778	0.0200	1	06/25/2020 01:14	WG1495382
Barium,Dissolved	0.0344		0.00778	0.0200	1	06/25/2020 15:39	WG1495350
Calcium	295		0.480	1.00	1	06/25/2020 01:14	WG1495382
Chromium	0.00229		0.00149	0.00200	1	06/25/2020 01:14	WG1495382
Chromium,Dissolved	0.00176	J	0.00149	0.00200	1	06/25/2020 15:39	WG1495350
Iron	0.224		0.0489	0.100	1	06/25/2020 01:14	WG1495382
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 15:39	WG1495350
Lead	0.00386	J	0.00249	0.00500	1	06/25/2020 01:14	WG1495382
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 15:39	WG1495350
Manganese	0.0118		0.00132	0.00500	1	06/25/2020 12:55	WG1495382
Manganese,Dissolved	0.00784		0.00132	0.00500	1	06/25/2020 15:39	WG1495350
Potassium	1.53	J	0.534	2.00	1	06/25/2020 01:14	WG1495382
Selenium	0.000680	J	0.000657	0.00200	1	06/25/2020 01:14	WG1495382
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 15:39	WG1495350
Sodium	258		0.630	2.00	1	06/25/2020 01:14	WG1495382

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	28.4	B	6.28	20.0	200	06/23/2020 23:38	WG1497847
(S) a,a,a-Trifluorotoluene(FID)	*93.3*			*78.0-120*		*06/23/2020 23:38*	WG1497847

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		1.13	5.00	100	06/25/2020 15:43	WG1499172
Benzene	9.39		0.00941	0.100	100	06/25/2020 15:43	WG1499172
Bromodichloromethane	U		0.0136	0.100	100	06/25/2020 15:43	WG1499172
Bromoform	U		0.0129	0.100	100	06/25/2020 15:43	WG1499172
Bromomethane	U		0.0605	0.500	100	06/25/2020 15:43	WG1499172
n-Butylbenzene	U		0.0157	0.100	100	06/25/2020 15:43	WG1499172

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U		0.0125	0.100	100	06/25/2020 15:43	WG1499172
Carbon disulfide	U		0.00962	0.100	100	06/25/2020 15:43	WG1499172
Carbon tetrachloride	U		0.0128	0.100	100	06/25/2020 15:43	WG1499172
Chlorobenzene	U		0.0116	0.100	100	06/25/2020 15:43	WG1499172
Chlorodibromomethane	U		0.0140	0.100	100	06/25/2020 15:43	WG1499172
Chloroethane	U		0.0192	0.500	100	06/25/2020 15:43	WG1499172
Chloroform	U		0.0111	0.500	100	06/25/2020 15:43	WG1499172
Chloromethane	U		0.0960	0.250	100	06/25/2020 15:43	WG1499172
1,2-Dibromoethane	U		0.0126	0.100	100	06/25/2020 15:43	WG1499172
1,1-Dichloroethane	U		0.0100	0.100	100	06/25/2020 15:43	WG1499172
1,2-Dichloroethane	U		0.00819	0.100	100	06/25/2020 15:43	WG1499172
1,1-Dichloroethene	U		0.0188	0.100	100	06/25/2020 15:43	WG1499172
cis-1,2-Dichloroethene	U		0.0126	0.100	100	06/25/2020 15:43	WG1499172
trans-1,2-Dichloroethene	U		0.0149	0.100	100	06/25/2020 15:43	WG1499172
1,2-Dichloropropane	U		0.0149	0.100	100	06/25/2020 15:43	WG1499172
cis-1,3-Dichloropropene	U		0.0111	0.100	100	06/25/2020 15:43	WG1499172
trans-1,3-Dichloropropene	U		0.0118	0.100	100	06/25/2020 15:43	WG1499172
Ethylbenzene	0.0662	J	0.0137	0.100	100	06/25/2020 15:43	WG1499172
Isopropylbenzene	0.0273	J	0.0105	0.100	100	06/25/2020 15:43	WG1499172
p-Isopropyltoluene	U		0.0120	0.100	100	06/25/2020 15:43	WG1499172
2-Butanone (MEK)	U		0.119	1.00	100	06/25/2020 15:43	WG1499172
2-Hexanone	U		0.0787	1.00	100	06/25/2020 15:43	WG1499172
Methylene Chloride	U		0.0430	0.500	100	06/25/2020 15:43	WG1499172
4-Methyl-2-pentanone (MIBK)	U		0.0478	1.00	100	06/25/2020 15:43	WG1499172
Methyl tert-butyl ether	0.0672	J	0.0101	0.100	100	06/25/2020 15:43	WG1499172
Naphthalene	U		0.100	0.500	100	06/25/2020 15:43	WG1499172
n-Propylbenzene	0.0380	J	0.00993	0.100	100	06/25/2020 15:43	WG1499172
Styrene	U		0.0118	0.100	100	06/25/2020 15:43	WG1499172
1,1,1,2-Tetrachloroethane	U		0.0147	0.100	100	06/25/2020 15:43	WG1499172
1,1,2,2-Tetrachloroethane	U		0.0133	0.100	100	06/25/2020 15:43	WG1499172
Tetrachloroethene	U		0.0300	0.100	100	06/25/2020 15:43	WG1499172
Toluene	0.313		0.0278	0.100	100	06/25/2020 15:43	WG1499172
1,1,1-Trichloroethane	U		0.0149	0.100	100	06/25/2020 15:43	WG1499172
1,1,2-Trichloroethane	U		0.0158	0.100	100	06/25/2020 15:43	WG1499172
Trichloroethene	U		0.0190	0.100	100	06/25/2020 15:43	WG1499172
1,2,4-Trimethylbenzene	0.0861	J	0.0322	0.100	100	06/25/2020 15:43	WG1499172
1,3,5-Trimethylbenzene	0.0146	J	0.0104	0.100	100	06/25/2020 15:43	WG1499172
Vinyl chloride	U		0.0234	0.100	100	06/25/2020 15:43	WG1499172
o-Xylene	U		0.0174	0.100	100	06/25/2020 15:43	WG1499172
m&p-Xylene	0.173	J	0.0430	0.200	100	06/25/2020 15:43	WG1499172
Xylenes, Total	0.173	J	0.0174	0.300	100	06/25/2020 15:43	WG1499172
(S) Toluene-d8	*101*			*80.0-120*		*06/25/2020 15:43*	WG1499172
(S) 4-Bromofluorobenzene	*92.5*			*77.0-126*		*06/25/2020 15:43*	WG1499172
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*06/25/2020 15:43*	WG1499172

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	14.6		0.247	1.00	10	06/26/2020 10:21	WG1496551
(S) o-Terphenyl	*108*			*31.0-160*		*06/26/2020 10:21*	WG1496551

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3620		14.1	50.0	1	06/23/2020 23:59	WG1497359

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/25/2020 19:31	WG1498637

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	236		19.0	50.0	50	06/25/2020 13:04	WG1497343
Fluoride	0.646		0.0640	0.150	1	06/25/2020 12:46	WG1497343
Sulfate	2010		29.7	250	50	06/25/2020 13:04	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00587	B	0.000735	0.00200	1	06/25/2020 01:17	WG1495382
Arsenic,Dissolved	0.00601		0.000735	0.00200	1	06/25/2020 15:43	WG1495350
Barium	0.0324		0.00778	0.0200	1	06/25/2020 01:17	WG1495382
Barium,Dissolved	0.0349		0.00778	0.0200	1	06/25/2020 15:43	WG1495350
Calcium	362		0.480	1.00	1	06/25/2020 01:17	WG1495382
Chromium	U		0.00149	0.00200	1	06/25/2020 01:17	WG1495382
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 15:43	WG1495350
Iron	0.561		0.0489	0.100	1	06/25/2020 01:17	WG1495382
Iron,Dissolved	0.574		0.0489	0.100	1	06/25/2020 15:43	WG1495350
Lead	U		0.00249	0.00500	1	06/25/2020 01:17	WG1495382
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 15:43	WG1495350
Manganese	1.72		0.00132	0.00500	1	06/25/2020 12:58	WG1495382
Manganese,Dissolved	1.90		0.00132	0.00500	1	06/25/2020 15:43	WG1495350
Potassium	0.597	J	0.534	2.00	1	06/25/2020 01:17	WG1495382
Selenium	U		0.000657	0.00200	1	06/25/2020 01:17	WG1495382
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 15:43	WG1495350
Sodium	252		0.630	2.00	1	06/25/2020 01:17	WG1495382

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.411		0.0314	0.100	1	06/24/2020 00:00	WG1497847
(S) a,a,a-Trifluorotoluene(FID)	*95.7*			*78.0-120*		*06/24/2020 00:00*	WG1497847

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/22/2020 03:55	WG1496571
Benzene	0.000275	J	0.0000941	0.00100	1	06/22/2020 03:55	WG1496571
Bromodichloromethane	U		0.000136	0.00100	1	06/22/2020 03:55	WG1496571
Bromoform	U		0.000129	0.00100	1	06/22/2020 03:55	WG1496571
Bromomethane	U		0.000605	0.00500	1	06/22/2020 03:55	WG1496571
n-Butylbenzene	U		0.000157	0.00100	1	06/22/2020 03:55	WG1496571
sec-Butylbenzene	0.00734		0.000125	0.00100	1	06/22/2020 03:55	WG1496571
Carbon disulfide	U		0.0000962	0.00100	1	06/22/2020 03:55	WG1496571
Carbon tetrachloride	U		0.000128	0.00100	1	06/22/2020 03:55	WG1496571

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	0.000626	J	0.000116	0.00100	1	06/22/2020 03:55	WG1496571
Chlorodibromomethane	U		0.000140	0.00100	1	06/22/2020 03:55	WG1496571
Chloroethane	U		0.000192	0.00500	1	06/22/2020 03:55	WG1496571
Chloroform	U		0.000111	0.00500	1	06/22/2020 03:55	WG1496571
Chloromethane	U		0.000960	0.00250	1	06/22/2020 03:55	WG1496571
1,2-Dibromoethane	U		0.000126	0.00100	1	06/22/2020 03:55	WG1496571
1,1-Dichloroethane	U		0.000100	0.00100	1	06/22/2020 03:55	WG1496571
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/22/2020 03:55	WG1496571
1,1-Dichloroethene	U		0.000188	0.00100	1	06/22/2020 03:55	WG1496571
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/22/2020 03:55	WG1496571
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/22/2020 03:55	WG1496571
1,2-Dichloropropane	U		0.000149	0.00100	1	06/22/2020 03:55	WG1496571
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/22/2020 03:55	WG1496571
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/22/2020 03:55	WG1496571
Ethylbenzene	U		0.000137	0.00100	1	06/22/2020 03:55	WG1496571
Isopropylbenzene	0.0102		0.000105	0.00100	1	06/22/2020 03:55	WG1496571
p-Isopropyltoluene	U		0.000120	0.00100	1	06/22/2020 03:55	WG1496571
2-Butanone (MEK)	U		0.00119	0.0100	1	06/22/2020 03:55	WG1496571
2-Hexanone	U		0.000787	0.0100	1	06/22/2020 03:55	WG1496571
Methylene Chloride	U		0.000430	0.00500	1	06/22/2020 03:55	WG1496571
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/22/2020 03:55	WG1496571
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/22/2020 03:55	WG1496571
Naphthalene	U		0.00100	0.00500	1	06/22/2020 03:55	WG1496571
n-Propylbenzene	0.000176	J	0.0000993	0.00100	1	06/22/2020 03:55	WG1496571
Styrene	U		0.000118	0.00100	1	06/22/2020 03:55	WG1496571
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/22/2020 03:55	WG1496571
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/22/2020 03:55	WG1496571
Tetrachloroethene	U		0.000300	0.00100	1	06/22/2020 03:55	WG1496571
Toluene	U		0.000278	0.00100	1	06/22/2020 03:55	WG1496571
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/22/2020 03:55	WG1496571
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/22/2020 03:55	WG1496571
Trichloroethene	U		0.000190	0.00100	1	06/22/2020 03:55	WG1496571
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/22/2020 03:55	WG1496571
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/22/2020 03:55	WG1496571
Vinyl chloride	U		0.000234	0.00100	1	06/22/2020 03:55	WG1496571
o-Xylene	U		0.000174	0.00100	1	06/22/2020 03:55	WG1496571
m&p-Xylene	U		0.000430	0.00200	1	06/22/2020 03:55	WG1496571
Xylenes, Total	U		0.000174	0.00300	1	06/22/2020 03:55	WG1496571
(S) Toluene-d8	*96.9*			*80.0-120*		*06/22/2020 03:55*	WG1496571
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*06/22/2020 03:55*	WG1496571
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/22/2020 03:55*	WG1496571

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.55		0.0247	0.100	1	06/25/2020 16:43	WG1496551
(S) o-Terphenyl	*116*			*31.0-160*		*06/25/2020 16:43*	WG1496551

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5550	Q	28.2	100	1	06/27/2020 18:38	WG1500391

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	74.6		5.00	10.0	100	06/25/2020 19:34	WG1498637

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	418		19.0	50.0	50	06/25/2020 13:39	WG1497343
Fluoride	2.92		0.0640	0.150	1	06/25/2020 13:22	WG1497343
Sulfate	3370		29.7	250	50	06/25/2020 13:39	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00379	B	0.000735	0.00200	1	06/25/2020 01:20	WG1495382
Arsenic,Dissolved	0.00399		0.000735	0.00200	1	06/25/2020 15:46	WG1495350
Barium	0.0113	J	0.00778	0.0200	1	06/25/2020 01:20	WG1495382
Barium,Dissolved	0.0125	J	0.00778	0.0200	1	06/25/2020 15:46	WG1495350
Calcium	495		0.480	1.00	1	06/25/2020 01:20	WG1495382
Chromium	U		0.00149	0.00200	1	06/25/2020 01:20	WG1495382
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 15:46	WG1495350
Iron	0.226		0.0489	0.100	1	06/25/2020 01:20	WG1495382
Iron,Dissolved	0.253		0.0489	0.100	1	06/25/2020 15:46	WG1495350
Lead	U		0.00249	0.00500	1	06/25/2020 01:20	WG1495382
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 15:46	WG1495350
Manganese	0.536		0.00132	0.00500	1	06/25/2020 13:01	WG1495382
Manganese,Dissolved	0.621		0.00132	0.00500	1	06/25/2020 15:46	WG1495350
Potassium	4.42		0.534	2.00	1	06/25/2020 01:20	WG1495382
Selenium	0.0309		0.000657	0.00200	1	06/25/2020 01:20	WG1495382
Selenium,Dissolved	0.0354		0.000657	0.00200	1	06/25/2020 15:46	WG1495350
Sodium	577		0.630	2.00	1	06/25/2020 01:20	WG1495382

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/22/2020 04:16	WG1496571
Benzene	U		0.0000941	0.00100	1	06/22/2020 04:16	WG1496571
Bromodichloromethane	U		0.000136	0.00100	1	06/22/2020 04:16	WG1496571
Bromoform	U		0.000129	0.00100	1	06/22/2020 04:16	WG1496571
Bromomethane	U		0.000605	0.00500	1	06/22/2020 04:16	WG1496571
n-Butylbenzene	U		0.000157	0.00100	1	06/22/2020 04:16	WG1496571
sec-Butylbenzene	0.000485	J	0.000125	0.00100	1	06/22/2020 04:16	WG1496571
Carbon disulfide	U		0.0000962	0.00100	1	06/22/2020 04:16	WG1496571
Carbon tetrachloride	U		0.000128	0.00100	1	06/22/2020 04:16	WG1496571
Chlorobenzene	U		0.000116	0.00100	1	06/22/2020 04:16	WG1496571
Chlorodibromomethane	U		0.000140	0.00100	1	06/22/2020 04:16	WG1496571
Chloroethane	U		0.000192	0.00500	1	06/22/2020 04:16	WG1496571
Chloroform	U		0.000111	0.00500	1	06/22/2020 04:16	WG1496571
Chloromethane	U		0.000960	0.00250	1	06/22/2020 04:16	WG1496571
1,2-Dibromoethane	U		0.000126	0.00100	1	06/22/2020 04:16	WG1496571
1,1-Dichloroethane	U		0.000100	0.00100	1	06/22/2020 04:16	WG1496571

Received by OCD: 11/22/2022 9:46:04 AM

MW-30
Collected date/time: 06/16/20 12:35
L1230685

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/22/2020 04:16	WG1496571
1,1-Dichloroethene	U		0.000188	0.00100	1	06/22/2020 04:16	WG1496571
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/22/2020 04:16	WG1496571
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/22/2020 04:16	WG1496571
1,2-Dichloropropane	U		0.000149	0.00100	1	06/22/2020 04:16	WG1496571
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/22/2020 04:16	WG1496571
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/22/2020 04:16	WG1496571
Ethylbenzene	U		0.000137	0.00100	1	06/22/2020 04:16	WG1496571
Isopropylbenzene	0.000106	J	0.000105	0.00100	1	06/22/2020 04:16	WG1496571
p-Isopropyltoluene	U		0.000120	0.00100	1	06/22/2020 04:16	WG1496571
2-Butanone (MEK)	U		0.00119	0.0100	1	06/22/2020 04:16	WG1496571
2-Hexanone	U		0.000787	0.0100	1	06/22/2020 04:16	WG1496571
Methylene Chloride	U		0.000430	0.00500	1	06/22/2020 04:16	WG1496571
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/22/2020 04:16	WG1496571
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/22/2020 04:16	WG1496571
Naphthalene	U		0.00100	0.00500	1	06/22/2020 04:16	WG1496571
n-Propylbenzene	U		0.0000993	0.00100	1	06/22/2020 04:16	WG1496571
Styrene	U		0.000118	0.00100	1	06/22/2020 04:16	WG1496571
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/22/2020 04:16	WG1496571
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/22/2020 04:16	WG1496571
Tetrachloroethene	U		0.000300	0.00100	1	06/22/2020 04:16	WG1496571
Toluene	U		0.000278	0.00100	1	06/22/2020 04:16	WG1496571
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/22/2020 04:16	WG1496571
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/22/2020 04:16	WG1496571
Trichloroethene	U		0.000190	0.00100	1	06/22/2020 04:16	WG1496571
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/22/2020 04:16	WG1496571
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/22/2020 04:16	WG1496571
Vinyl chloride	U		0.000234	0.00100	1	06/22/2020 04:16	WG1496571
o-Xylene	U		0.000174	0.00100	1	06/22/2020 04:16	WG1496571
m&p-Xylene	U		0.000430	0.00200	1	06/22/2020 04:16	WG1496571
Xylenes, Total	U		0.000174	0.00300	1	06/22/2020 04:16	WG1496571
(S) Toluene-d8	*103*			*80.0-120*		*06/22/2020 04:16*	WG1496571
(S) 4-Bromofluorobenzene	*98.8*			*77.0-126*		*06/22/2020 04:16*	WG1496571
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/22/2020 04:16*	WG1496571

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.522		0.0247	0.100	1	06/25/2020 17:09	WG1496551
(S) o-Terphenyl	*87.9*			*31.0-160*		*06/25/2020 17:09*	WG1496551

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2830		14.1	50.0	1	06/23/2020 23:59	WG1497359

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		10.0	20.0	200	06/25/2020 19:35	WG1498637

Sample Narrative:

L1230685-38 WG1498637: Diluted due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	501		19.0	50.0	50	06/25/2020 14:51	WG1497343
Fluoride	1.19		0.0640	0.150	1	06/25/2020 13:57	WG1497343
Sulfate	813		29.7	250	50	06/25/2020 14:51	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00524	B	0.000735	0.00200	1	06/25/2020 01:23	WG1495382
Arsenic,Dissolved	0.00555		0.000735	0.00200	1	06/25/2020 15:50	WG1495350
Barium	0.0561		0.00778	0.0200	1	06/25/2020 01:23	WG1495382
Barium,Dissolved	0.0603		0.00778	0.0200	1	06/25/2020 15:50	WG1495350
Calcium	478		0.480	1.00	1	06/25/2020 01:23	WG1495382
Chromium	U		0.00149	0.00200	1	06/25/2020 01:23	WG1495382
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 15:50	WG1495350
Iron	0.197		0.0489	0.100	1	06/25/2020 01:23	WG1495382
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 15:50	WG1495350
Lead	0.00610		0.00249	0.00500	1	06/25/2020 01:23	WG1495382
Lead,Dissolved	0.00498	J	0.00249	0.00500	1	06/25/2020 15:50	WG1495350
Manganese	0.00381	J	0.00132	0.00500	1	06/25/2020 13:05	WG1495382
Manganese,Dissolved	0.00244	J	0.00132	0.00500	1	06/25/2020 15:50	WG1495350
Potassium	U		0.534	2.00	1	06/25/2020 01:23	WG1495382
Selenium	U		0.000657	0.00200	1	06/25/2020 01:23	WG1495382
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 15:50	WG1495350
Sodium	36.7		0.630	2.00	1	06/25/2020 01:23	WG1495382

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	36.2		3.14	10.0	100	06/24/2020 00:22	WG1497847
(S) a,a,a-Trifluorotoluene(FID)	*95.6*			*78.0-120*		*06/24/2020 00:22*	WG1497847

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		1.13	5.00	100	06/22/2020 07:22	WG1496571
Benzene	4.12		0.00941	0.100	100	06/22/2020 07:22	WG1496571
Bromodichloromethane	U		0.0136	0.100	100	06/22/2020 07:22	WG1496571
Bromoform	U		0.0129	0.100	100	06/22/2020 07:22	WG1496571
Bromomethane	U		0.0605	0.500	100	06/22/2020 07:22	WG1496571
n-Butylbenzene	U		0.0157	0.100	100	06/22/2020 07:22	WG1496571

Received by OCD: 11/22/2022 9:46:04 AM

MW-31
Collected date/time: 06/16/20 14:00
L1230685

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U		0.0125	0.100	100	06/22/2020 07:22	WG1496571
Carbon disulfide	0.0254	J	0.00962	0.100	100	06/22/2020 07:22	WG1496571
Carbon tetrachloride	U		0.0128	0.100	100	06/22/2020 07:22	WG1496571
Chlorobenzene	U		0.0116	0.100	100	06/22/2020 07:22	WG1496571
Chlorodibromomethane	U		0.0140	0.100	100	06/22/2020 07:22	WG1496571
Chloroethane	U		0.0192	0.500	100	06/22/2020 07:22	WG1496571
Chloroform	U		0.0111	0.500	100	06/22/2020 07:22	WG1496571
Chloromethane	U		0.0960	0.250	100	06/22/2020 07:22	WG1496571
1,2-Dibromoethane	U		0.0126	0.100	100	06/22/2020 07:22	WG1496571
1,1-Dichloroethane	U		0.0100	0.100	100	06/22/2020 07:22	WG1496571
1,2-Dichloroethane	U		0.00819	0.100	100	06/22/2020 07:22	WG1496571
1,1-Dichloroethene	U		0.0188	0.100	100	06/22/2020 07:22	WG1496571
cis-1,2-Dichloroethene	U		0.0126	0.100	100	06/22/2020 07:22	WG1496571
trans-1,2-Dichloroethene	U		0.0149	0.100	100	06/22/2020 07:22	WG1496571
1,2-Dichloropropane	U		0.0149	0.100	100	06/22/2020 07:22	WG1496571
cis-1,3-Dichloropropene	U		0.0111	0.100	100	06/22/2020 07:22	WG1496571
trans-1,3-Dichloropropene	U		0.0118	0.100	100	06/22/2020 07:22	WG1496571
Ethylbenzene	1.85		0.0137	0.100	100	06/22/2020 07:22	WG1496571
Isopropylbenzene	0.105		0.0105	0.100	100	06/22/2020 07:22	WG1496571
p-Isopropyltoluene	U		0.0120	0.100	100	06/22/2020 07:22	WG1496571
2-Butanone (MEK)	U		0.119	1.00	100	06/22/2020 07:22	WG1496571
2-Hexanone	U		0.0787	1.00	100	06/22/2020 07:22	WG1496571
Methylene Chloride	U		0.0430	0.500	100	06/22/2020 07:22	WG1496571
4-Methyl-2-pentanone (MIBK)	U		0.0478	1.00	100	06/22/2020 07:22	WG1496571
Methyl tert-butyl ether	U		0.0101	0.100	100	06/22/2020 07:22	WG1496571
Naphthalene	U		0.100	0.500	100	06/22/2020 07:22	WG1496571
n-Propylbenzene	0.114		0.00993	0.100	100	06/22/2020 07:22	WG1496571
Styrene	U		0.0118	0.100	100	06/22/2020 07:22	WG1496571
1,1,1,2-Tetrachloroethane	U		0.0147	0.100	100	06/22/2020 07:22	WG1496571
1,1,2,2-Tetrachloroethane	U		0.0133	0.100	100	06/22/2020 07:22	WG1496571
Tetrachloroethene	U		0.0300	0.100	100	06/22/2020 07:22	WG1496571
Toluene	6.95		0.0278	0.100	100	06/22/2020 07:22	WG1496571
1,1,1-Trichloroethane	U		0.0149	0.100	100	06/22/2020 07:22	WG1496571
1,1,2-Trichloroethane	U		0.0158	0.100	100	06/22/2020 07:22	WG1496571
Trichloroethene	U		0.0190	0.100	100	06/22/2020 07:22	WG1496571
1,2,4-Trimethylbenzene	0.234		0.0322	0.100	100	06/22/2020 07:22	WG1496571
1,3,5-Trimethylbenzene	0.0671	J	0.0104	0.100	100	06/22/2020 07:22	WG1496571
Vinyl chloride	U		0.0234	0.100	100	06/22/2020 07:22	WG1496571
o-Xylene	0.649		0.0174	0.100	100	06/22/2020 07:22	WG1496571
m&p-Xylene	1.85		0.0430	0.200	100	06/22/2020 07:22	WG1496571
Xylenes, Total	2.50		0.0174	0.300	100	06/22/2020 07:22	WG1496571
(S) Toluene-d8	*104*			*80.0-120*		*06/22/2020 07:22*	WG1496571
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*06/22/2020 07:22*	WG1496571
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*06/22/2020 07:22*	WG1496571

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	11.5		0.123	0.500	5	06/26/2020 09:55	WG1496551
(S) o-Terphenyl	*122*			*31.0-160*		*06/26/2020 09:55*	WG1496551

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3120		14.1	50.0	1	06/23/2020 23:59	WG1497359

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	06/25/2020 19:36	WG1498637

Sample Narrative:

L1230685-39 WG1498637: Diluted due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	173		19.0	50.0	50	06/25/2020 15:27	WG1497343
Fluoride	2.25		0.0640	0.150	1	06/25/2020 15:09	WG1497343
Sulfate	1790		29.7	250	50	06/25/2020 15:27	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00299	B	0.000735	0.00200	1	06/25/2020 01:27	WG1495382
Arsenic,Dissolved	0.00285		0.000735	0.00200	1	06/22/2020 22:11	WG1496574
Barium	0.0150	J	0.00778	0.0200	1	06/25/2020 01:27	WG1495382
Barium,Dissolved	0.0146	J	0.00778	0.0200	1	06/22/2020 22:11	WG1496574
Calcium	331		0.480	1.00	1	06/25/2020 01:27	WG1495382
Chromium	U		0.00149	0.00200	1	06/25/2020 01:27	WG1495382
Chromium,Dissolved	U		0.00149	0.00200	1	06/22/2020 22:11	WG1496574
Iron	0.295		0.0489	0.100	1	06/25/2020 01:27	WG1495382
Iron,Dissolved	0.273		0.0489	0.100	1	06/22/2020 22:11	WG1496574
Lead	U		0.00249	0.00500	1	06/25/2020 01:27	WG1495382
Lead,Dissolved	U		0.00249	0.00500	1	06/22/2020 22:11	WG1496574
Manganese	0.0909		0.00132	0.00500	1	06/25/2020 13:08	WG1495382
Manganese,Dissolved	0.0892		0.00132	0.00500	1	06/22/2020 22:11	WG1496574
Potassium	1.13	J	0.534	2.00	1	06/25/2020 01:27	WG1495382
Selenium	U		0.000657	0.00200	1	06/25/2020 01:27	WG1495382
Selenium,Dissolved	U		0.000657	0.00200	1	06/22/2020 22:11	WG1496574
Sodium	142		0.630	2.00	1	06/25/2020 01:27	WG1495382

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.412		0.0314	0.100	1	06/24/2020 00:44	WG1497847
(S) a,a,a-Trifluorotoluene(FID)	*90.8*			*78.0-120*		*06/24/2020 00:44*	WG1497847

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/22/2020 04:37	WG1496571
Benzene	0.00305		0.0000941	0.00100	1	06/22/2020 04:37	WG1496571
Bromodichloromethane	U		0.000136	0.00100	1	06/22/2020 04:37	WG1496571
Bromoform	U		0.000129	0.00100	1	06/22/2020 04:37	WG1496571
Bromomethane	U		0.000605	0.00500	1	06/22/2020 04:37	WG1496571
n-Butylbenzene	0.000319	J	0.000157	0.00100	1	06/22/2020 04:37	WG1496571

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	0.00725		0.000125	0.00100	1	06/22/2020 04:37	WG1496571
Carbon disulfide	0.000600	J	0.0000962	0.00100	1	06/22/2020 04:37	WG1496571
Carbon tetrachloride	U		0.000128	0.00100	1	06/22/2020 04:37	WG1496571
Chlorobenzene	U		0.000116	0.00100	1	06/22/2020 04:37	WG1496571
Chlorodibromomethane	U		0.000140	0.00100	1	06/22/2020 04:37	WG1496571
Chloroethane	U		0.000192	0.00500	1	06/22/2020 04:37	WG1496571
Chloroform	U		0.000111	0.00500	1	06/22/2020 04:37	WG1496571
Chloromethane	U		0.000960	0.00250	1	06/22/2020 04:37	WG1496571
1,2-Dibromoethane	U		0.000126	0.00100	1	06/22/2020 04:37	WG1496571
1,1-Dichloroethane	U		0.000100	0.00100	1	06/22/2020 04:37	WG1496571
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/22/2020 04:37	WG1496571
1,1-Dichloroethene	U		0.000188	0.00100	1	06/22/2020 04:37	WG1496571
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/22/2020 04:37	WG1496571
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/22/2020 04:37	WG1496571
1,2-Dichloropropane	U		0.000149	0.00100	1	06/22/2020 04:37	WG1496571
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/22/2020 04:37	WG1496571
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/22/2020 04:37	WG1496571
Ethylbenzene	0.000290	J	0.000137	0.00100	1	06/22/2020 04:37	WG1496571
Isopropylbenzene	0.0353		0.000105	0.00100	1	06/22/2020 04:37	WG1496571
p-Isopropyltoluene	U		0.000120	0.00100	1	06/22/2020 04:37	WG1496571
2-Butanone (MEK)	U		0.00119	0.0100	1	06/22/2020 04:37	WG1496571
2-Hexanone	U		0.000787	0.0100	1	06/22/2020 04:37	WG1496571
Methylene Chloride	U		0.000430	0.00500	1	06/22/2020 04:37	WG1496571
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/22/2020 04:37	WG1496571
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/22/2020 04:37	WG1496571
Naphthalene	U		0.00100	0.00500	1	06/22/2020 04:37	WG1496571
n-Propylbenzene	0.00509		0.0000993	0.00100	1	06/22/2020 04:37	WG1496571
Styrene	U		0.000118	0.00100	1	06/22/2020 04:37	WG1496571
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/22/2020 04:37	WG1496571
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/22/2020 04:37	WG1496571
Tetrachloroethene	U		0.000300	0.00100	1	06/22/2020 04:37	WG1496571
Toluene	0.000350	J	0.000278	0.00100	1	06/22/2020 04:37	WG1496571
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/22/2020 04:37	WG1496571
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/22/2020 04:37	WG1496571
Trichloroethene	U		0.000190	0.00100	1	06/22/2020 04:37	WG1496571
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/22/2020 04:37	WG1496571
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/22/2020 04:37	WG1496571
Vinyl chloride	U		0.000234	0.00100	1	06/22/2020 04:37	WG1496571
o-Xylene	0.000299	J	0.000174	0.00100	1	06/22/2020 04:37	WG1496571
m&p-Xylene	U		0.000430	0.00200	1	06/22/2020 04:37	WG1496571
Xylenes, Total	0.000299	J	0.000174	0.00300	1	06/22/2020 04:37	WG1496571
(S) Toluene-d8	*103*			*80.0-120*		*06/22/2020 04:37*	WG1496571
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/22/2020 04:37*	WG1496571
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/22/2020 04:37*	WG1496571

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.69		0.0247	0.100	1	06/26/2020 09:29	WG1496551
(S) o-Terphenyl	*145*			*31.0-160*		*06/26/2020 09:29*	WG1496551

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1320		7.05	25.0	1	06/23/2020 23:59	WG1497359

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	06/25/2020 19:37	WG1498637

Sample Narrative:

L1230685-40 WG1498637: Diluted due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	131		3.79	10.0	10	06/25/2020 16:24	WG1497343
Fluoride	1.32		0.0640	0.150	1	06/25/2020 15:45	WG1497343
Sulfate	95.2		0.594	5.00	1	06/25/2020 15:45	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00241	B	0.000735	0.00200	1	06/25/2020 01:30	WG1495382
Arsenic,Dissolved	0.00225		0.000735	0.00200	1	06/22/2020 22:34	WG1496574
Barium	0.176		0.00778	0.0200	1	06/25/2020 01:30	WG1495382
Barium,Dissolved	0.166		0.00778	0.0200	1	06/22/2020 22:34	WG1496574
Calcium	147		0.480	1.00	1	06/25/2020 01:30	WG1495382
Chromium	U		0.00149	0.00200	1	06/25/2020 01:30	WG1495382
Chromium,Dissolved	U		0.00149	0.00200	1	06/22/2020 22:34	WG1496574
Iron	U		0.0489	0.100	1	06/25/2020 01:30	WG1495382
Iron,Dissolved	U		0.0489	0.100	1	06/22/2020 22:34	WG1496574
Lead	U		0.00249	0.00500	1	06/25/2020 01:30	WG1495382
Lead,Dissolved	U		0.00249	0.00500	1	06/22/2020 22:34	WG1496574
Manganese	U		0.00132	0.00500	1	06/25/2020 13:11	WG1495382
Manganese,Dissolved	U		0.00132	0.00500	1	06/22/2020 22:34	WG1496574
Potassium	1.52	J	0.534	2.00	1	06/25/2020 01:30	WG1495382
Selenium	U		0.000657	0.00200	1	06/25/2020 01:30	WG1495382
Selenium,Dissolved	0.000663	J	0.000657	0.00200	1	06/22/2020 22:34	WG1496574
Sodium	200		0.630	2.00	1	06/25/2020 01:30	WG1495382

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	30.4		1.57	5.00	50	06/24/2020 01:06	WG1497847
(S) a,a,a-Trifluorotoluene(FID)	*91.6*			*78.0-120*		*06/24/2020 01:06*	WG1497847

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		2.82	12.5	250	06/25/2020 16:03	WG1499172
Benzene	U		0.0235	0.250	250	06/25/2020 16:03	WG1499172
Bromodichloromethane	U		0.0340	0.250	250	06/25/2020 16:03	WG1499172
Bromoform	U		0.0323	0.250	250	06/25/2020 16:03	WG1499172
Bromomethane	U		0.151	1.25	250	06/25/2020 16:03	WG1499172
n-Butylbenzene	U		0.0393	0.250	250	06/25/2020 16:03	WG1499172

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U		0.0313	0.250	250	06/25/2020 16:03	WG1499172
Carbon disulfide	U		0.0241	0.250	250	06/25/2020 16:03	WG1499172
Carbon tetrachloride	U		0.0320	0.250	250	06/25/2020 16:03	WG1499172
Chlorobenzene	U		0.0290	0.250	250	06/25/2020 16:03	WG1499172
Chlorodibromomethane	U		0.0350	0.250	250	06/25/2020 16:03	WG1499172
Chloroethane	U		0.0480	1.25	250	06/25/2020 16:03	WG1499172
Chloroform	U		0.0278	1.25	250	06/25/2020 16:03	WG1499172
Chloromethane	U		0.240	0.625	250	06/25/2020 16:03	WG1499172
1,2-Dibromoethane	U		0.0315	0.250	250	06/25/2020 16:03	WG1499172
1,1-Dichloroethane	U		0.0250	0.250	250	06/25/2020 16:03	WG1499172
1,2-Dichloroethane	U		0.0205	0.250	250	06/25/2020 16:03	WG1499172
1,1-Dichloroethene	U		0.0470	0.250	250	06/25/2020 16:03	WG1499172
cis-1,2-Dichloroethene	U		0.0315	0.250	250	06/25/2020 16:03	WG1499172
trans-1,2-Dichloroethene	U		0.0373	0.250	250	06/25/2020 16:03	WG1499172
1,2-Dichloropropane	U		0.0373	0.250	250	06/25/2020 16:03	WG1499172
cis-1,3-Dichloropropene	U		0.0278	0.250	250	06/25/2020 16:03	WG1499172
trans-1,3-Dichloropropene	U		0.0295	0.250	250	06/25/2020 16:03	WG1499172
Ethylbenzene	U		0.0343	0.250	250	06/25/2020 16:03	WG1499172
Isopropylbenzene	0.0848	J	0.0263	0.250	250	06/25/2020 16:03	WG1499172
p-Isopropyltoluene	U		0.0300	0.250	250	06/25/2020 16:03	WG1499172
2-Butanone (MEK)	U		0.298	2.50	250	06/25/2020 16:03	WG1499172
2-Hexanone	U		0.197	2.50	250	06/25/2020 16:03	WG1499172
Methylene Chloride	U		0.108	1.25	250	06/25/2020 16:03	WG1499172
4-Methyl-2-pentanone (MIBK)	U		0.120	2.50	250	06/25/2020 16:03	WG1499172
Methyl tert-butyl ether	37.6		0.0253	0.250	250	06/25/2020 16:03	WG1499172
Naphthalene	U		0.250	1.25	250	06/25/2020 16:03	WG1499172
n-Propylbenzene	0.0797	J	0.0248	0.250	250	06/25/2020 16:03	WG1499172
Styrene	U		0.0295	0.250	250	06/25/2020 16:03	WG1499172
1,1,1,2-Tetrachloroethane	U		0.0368	0.250	250	06/25/2020 16:03	WG1499172
1,1,2,2-Tetrachloroethane	U		0.0333	0.250	250	06/25/2020 16:03	WG1499172
Tetrachloroethene	U		0.0750	0.250	250	06/25/2020 16:03	WG1499172
Toluene	U		0.0695	0.250	250	06/25/2020 16:03	WG1499172
1,1,1-Trichloroethane	U		0.0373	0.250	250	06/25/2020 16:03	WG1499172
1,1,2-Trichloroethane	U		0.0395	0.250	250	06/25/2020 16:03	WG1499172
Trichloroethene	U		0.0475	0.250	250	06/25/2020 16:03	WG1499172
1,2,4-Trimethylbenzene	U		0.0805	0.250	250	06/25/2020 16:03	WG1499172
1,3,5-Trimethylbenzene	U		0.0260	0.250	250	06/25/2020 16:03	WG1499172
Vinyl chloride	U		0.0585	0.250	250	06/25/2020 16:03	WG1499172
o-Xylene	U		0.0435	0.250	250	06/25/2020 16:03	WG1499172
m&p-Xylene	U		0.108	0.500	250	06/25/2020 16:03	WG1499172
Xylenes, Total	U		0.0435	0.750	250	06/25/2020 16:03	WG1499172
(S) Toluene-d8	*104*			*80.0-120*		*06/25/2020 16:03*	WG1499172
(S) 4-Bromofluorobenzene	*93.6*			*77.0-126*		*06/25/2020 16:03*	WG1499172
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*06/25/2020 16:03*	WG1499172

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.28		0.0247	0.100	1	06/25/2020 18:27	WG1496551
(S) o-Terphenyl	*125*			*31.0-160*		*06/25/2020 18:27*	WG1496551

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2020		14.1	50.0	1	06/23/2020 23:59	WG1497359

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/25/2020 19:39	WG1498637

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	300		3.79	10.0	10	06/25/2020 17:35	WG1497343
Fluoride	0.739		0.0640	0.150	1	06/25/2020 16:59	WG1497343
Sulfate	682		5.94	50.0	10	06/25/2020 17:35	WG1497343

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00135	B J	0.000735	0.00200	1	06/25/2020 01:33	WG1495382
Arsenic,Dissolved	0.00135	J	0.000735	0.00200	1	06/22/2020 22:37	WG1496574
Barium	0.0431		0.00778	0.0200	1	06/25/2020 01:33	WG1495382
Barium,Dissolved	0.0434		0.00778	0.0200	1	06/22/2020 22:37	WG1496574
Calcium	250		0.480	1.00	1	06/25/2020 01:33	WG1495382
Chromium	U		0.00149	0.00200	1	06/25/2020 01:33	WG1495382
Chromium,Dissolved	U		0.00149	0.00200	1	06/22/2020 22:37	WG1496574
Iron	0.0879	J	0.0489	0.100	1	06/25/2020 01:33	WG1495382
Iron,Dissolved	U		0.0489	0.100	1	06/22/2020 22:37	WG1496574
Lead	U		0.00249	0.00500	1	06/25/2020 01:33	WG1495382
Lead,Dissolved	U		0.00249	0.00500	1	06/22/2020 22:37	WG1496574
Manganese	0.156		0.00132	0.00500	1	06/25/2020 13:22	WG1495382
Manganese,Dissolved	0.151		0.00132	0.00500	1	06/22/2020 22:37	WG1496574
Potassium	U		0.534	2.00	1	06/25/2020 01:33	WG1495382
Selenium	U		0.000657	0.00200	1	06/25/2020 01:33	WG1495382
Selenium,Dissolved	0.000657	J	0.000657	0.00200	1	06/22/2020 22:37	WG1496574
Sodium	151		0.630	2.00	1	06/25/2020 01:33	WG1495382

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.162	B	0.0314	0.100	1	06/24/2020 01:28	WG1497847
(S) a,a,a-Trifluorotoluene(FID)	*90.2*			*78.0-120*		*06/24/2020 01:28*	WG1497847

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/22/2020 04:57	WG1496571
Benzene	0.000603	J	0.0000941	0.00100	1	06/22/2020 04:57	WG1496571
Bromodichloromethane	U		0.000136	0.00100	1	06/22/2020 04:57	WG1496571
Bromoform	U		0.000129	0.00100	1	06/22/2020 04:57	WG1496571
Bromomethane	U		0.000605	0.00500	1	06/22/2020 04:57	WG1496571
n-Butylbenzene	U		0.000157	0.00100	1	06/22/2020 04:57	WG1496571
sec-Butylbenzene	0.00247		0.000125	0.00100	1	06/22/2020 04:57	WG1496571
Carbon disulfide	0.000192	J	0.0000962	0.00100	1	06/22/2020 04:57	WG1496571
Carbon tetrachloride	U		0.000128	0.00100	1	06/22/2020 04:57	WG1496571

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/22/2020 04:57	WG1496571
Chlorodibromomethane	U		0.000140	0.00100	1	06/22/2020 04:57	WG1496571
Chloroethane	U		0.000192	0.00500	1	06/22/2020 04:57	WG1496571
Chloroform	U		0.000111	0.00500	1	06/22/2020 04:57	WG1496571
Chloromethane	U		0.000960	0.00250	1	06/22/2020 04:57	WG1496571
1,2-Dibromoethane	U		0.000126	0.00100	1	06/22/2020 04:57	WG1496571
1,1-Dichloroethane	U		0.000100	0.00100	1	06/22/2020 04:57	WG1496571
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/22/2020 04:57	WG1496571
1,1-Dichloroethene	U		0.000188	0.00100	1	06/22/2020 04:57	WG1496571
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/22/2020 04:57	WG1496571
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/22/2020 04:57	WG1496571
1,2-Dichloropropane	U		0.000149	0.00100	1	06/22/2020 04:57	WG1496571
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/22/2020 04:57	WG1496571
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/22/2020 04:57	WG1496571
Ethylbenzene	0.000196	J	0.000137	0.00100	1	06/22/2020 04:57	WG1496571
Isopropylbenzene	0.00904		0.000105	0.00100	1	06/22/2020 04:57	WG1496571
p-Isopropyltoluene	U		0.000120	0.00100	1	06/22/2020 04:57	WG1496571
2-Butanone (MEK)	U		0.00119	0.0100	1	06/22/2020 04:57	WG1496571
2-Hexanone	U		0.000787	0.0100	1	06/22/2020 04:57	WG1496571
Methylene Chloride	U		0.000430	0.00500	1	06/22/2020 04:57	WG1496571
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/22/2020 04:57	WG1496571
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/22/2020 04:57	WG1496571
Naphthalene	U		0.00100	0.00500	1	06/22/2020 04:57	WG1496571
n-Propylbenzene	0.000158	J	0.0000993	0.00100	1	06/22/2020 04:57	WG1496571
Styrene	U		0.000118	0.00100	1	06/22/2020 04:57	WG1496571
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/22/2020 04:57	WG1496571
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/22/2020 04:57	WG1496571
Tetrachloroethene	U		0.000300	0.00100	1	06/22/2020 04:57	WG1496571
Toluene	U		0.000278	0.00100	1	06/22/2020 04:57	WG1496571
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/22/2020 04:57	WG1496571
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/22/2020 04:57	WG1496571
Trichloroethene	U		0.000190	0.00100	1	06/22/2020 04:57	WG1496571
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/22/2020 04:57	WG1496571
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/22/2020 04:57	WG1496571
Vinyl chloride	U		0.000234	0.00100	1	06/22/2020 04:57	WG1496571
o-Xylene	U		0.000174	0.00100	1	06/22/2020 04:57	WG1496571
m&p-Xylene	U		0.000430	0.00200	1	06/22/2020 04:57	WG1496571
Xylenes, Total	U		0.000174	0.00300	1	06/22/2020 04:57	WG1496571
(S) Toluene-d8	*102*			*80.0-120*		*06/22/2020 04:57*	WG1496571
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/22/2020 04:57*	WG1496571
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/22/2020 04:57*	WG1496571

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.29		0.0247	0.100	1	06/25/2020 18:52	WG1496551
(S) o-Terphenyl	*113*			*31.0-160*		*06/25/2020 18:52*	WG1496551

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	0.000679	J	0.000211	0.00238	2.38	06/23/2020 17:37	WG1496709
Acenaphthylene	U		0.000219	0.00238	2.38	06/23/2020 17:37	WG1496709
Acetophenone	U		0.000495	0.0238	2.38	06/23/2020 17:37	WG1496709
Anthracene	U		0.000191	0.00238	2.38	06/23/2020 17:37	WG1496709

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L1230685

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Atrazine	U		0.000607	0.0238	2.38	06/23/2020 17:37	WG1496709
Benzo(a)anthracene	U		0.000474	0.00238	2.38	06/23/2020 17:37	WG1496709
Benzaldehyde	U	J4	0.00402	0.0238	2.38	06/23/2020 17:37	WG1496709
Benzo(b)fluoranthene	U		0.000309	0.00238	2.38	06/23/2020 17:37	WG1496709
Benzo(k)fluoranthene	U		0.000286	0.00238	2.38	06/23/2020 17:37	WG1496709
Benzo(g,h,i)perylene	U		0.000288	0.00238	2.38	06/23/2020 17:37	WG1496709
Benzo(a)pyrene	U		0.0000907	0.000476	2.38	06/23/2020 17:37	WG1496709
Biphenyl	U		0.00188	0.0238	2.38	06/23/2020 17:37	WG1496709
Bis(2-chlorethoxy)methane	U		0.000276	0.0238	2.38	06/23/2020 17:37	WG1496709
Bis(2-chloroethyl)ether	U		0.000326	0.0238	2.38	06/23/2020 17:37	WG1496709
2,2-Oxybis(1-Chloropropane)	U		0.000500	0.0238	2.38	06/23/2020 17:37	WG1496709
4-Bromophenyl-phenylether	U		0.000209	0.0238	2.38	06/23/2020 17:37	WG1496709
2-Chloronaphthalene	U		0.000154	0.00238	2.38	06/23/2020 17:37	WG1496709
4-Chlorophenyl-phenylether	U		0.000220	0.0238	2.38	06/23/2020 17:37	WG1496709
Caprolactam	U		0.000735	0.0238	2.38	06/23/2020 17:37	WG1496709
Carbazole	U		0.000264	0.0238	2.38	06/23/2020 17:37	WG1496709
Chrysene	U		0.000309	0.00238	2.38	06/23/2020 17:37	WG1496709
Dibenz(a,h)anthracene	U		0.000153	0.000476	2.38	06/23/2020 17:37	WG1496709
Dibenzofuran	0.00259	J	0.000231	0.0238	2.38	06/23/2020 17:37	WG1496709
3,3-Dichlorobenzidine	U		0.000505	0.0238	2.38	06/23/2020 17:37	WG1496709
2,4-Dinitrotoluene	U		0.000234	0.0238	2.38	06/23/2020 17:37	WG1496709
2,6-Dinitrotoluene	U		0.000595	0.0238	2.38	06/23/2020 17:37	WG1496709
Fluoranthene	U		0.000243	0.00238	2.38	06/23/2020 17:37	WG1496709
Fluorene	U		0.000201	0.00238	2.38	06/23/2020 17:37	WG1496709
Hexachlorobenzene	U		0.000180	0.00238	2.38	06/23/2020 17:37	WG1496709
Hexachloro-1,3-butadiene	U		0.000230	0.0238	2.38	06/23/2020 17:37	WG1496709
Hexachlorocyclopentadiene	U		0.000142	0.0238	2.38	06/23/2020 17:37	WG1496709
Hexachloroethane	U		0.000302	0.0238	2.38	06/23/2020 17:37	WG1496709
Indeno(1,2,3-cd)pyrene	U		0.000664	0.00238	2.38	06/23/2020 17:37	WG1496709
Isophorone	U		0.000340	0.0238	2.38	06/23/2020 17:37	WG1496709
1-Methylnaphthalene	U		0.000188	0.00238	2.38	06/23/2020 17:37	WG1496709
2-Methylnaphthalene	U		0.000278	0.00238	2.38	06/23/2020 17:37	WG1496709
Naphthalene	0.00115	B J	0.000378	0.00238	2.38	06/23/2020 17:37	WG1496709
Nitrobenzene	U		0.000707	0.0238	2.38	06/23/2020 17:37	WG1496709
n-Nitrosodiphenylamine	U		0.00564	0.0238	2.38	06/23/2020 17:37	WG1496709
n-Nitrosodi-n-propylamine	U		0.000621	0.0238	2.38	06/23/2020 17:37	WG1496709
Phenanthrene	U		0.000267	0.00238	2.38	06/23/2020 17:37	WG1496709
Benzylbutyl phthalate	U		0.00182	0.00714	2.38	06/23/2020 17:37	WG1496709
Bis(2-ethylhexyl)phthalate	U		0.00213	0.00714	2.38	06/23/2020 17:37	WG1496709
Di-n-butyl phthalate	U		0.00108	0.00714	2.38	06/23/2020 17:37	WG1496709
Diethyl phthalate	U		0.000683	0.00714	2.38	06/23/2020 17:37	WG1496709
Dimethyl phthalate	U		0.000619	0.00714	2.38	06/23/2020 17:37	WG1496709
Di-n-octyl phthalate	U		0.00222	0.00714	2.38	06/23/2020 17:37	WG1496709
Pyrene	U		0.000255	0.00238	2.38	06/23/2020 17:37	WG1496709
1,2,4-Trichlorobenzene	U		0.000166	0.0238	2.38	06/23/2020 17:37	WG1496709
4-Chloro-3-methylphenol	U		0.000312	0.0238	2.38	06/23/2020 17:37	WG1496709
2-Chlorophenol	U		0.000317	0.0238	2.38	06/23/2020 17:37	WG1496709
2,4-Dichlorophenol	U		0.000243	0.0238	2.38	06/23/2020 17:37	WG1496709
2,4-Dimethylphenol	U		0.000151	0.0238	2.38	06/23/2020 17:37	WG1496709
4,6-Dinitro-2-methylphenol	U		0.00267	0.0238	2.38	06/23/2020 17:37	WG1496709
2,4-Dinitrophenol	U		0.0141	0.0238	2.38	06/23/2020 17:37	WG1496709
2-Nitrophenol	U		0.000278	0.0238	2.38	06/23/2020 17:37	WG1496709
2-Nitroaniline	U		0.000243	0.0238	2.38	06/23/2020 17:37	WG1496709
2-Methylphenol	U		0.000221	0.0238	2.38	06/23/2020 17:37	WG1496709
3&4-Methyl Phenol	U		0.000400	0.0238	2.38	06/23/2020 17:37	WG1496709
3-Nitroaniline	U		0.000207	0.0238	2.38	06/23/2020 17:37	WG1496709

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Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
4-Chloroaniline	U		0.000557	0.0238	2.38	06/23/2020 17:37	WG1496709
4-Nitroaniline	U		0.000217	0.0238	2.38	06/23/2020 17:37	WG1496709
4-Nitrophenol	U		0.000340	0.0238	2.38	06/23/2020 17:37	WG1496709
Pentachlorophenol	U		0.000745	0.0238	2.38	06/23/2020 17:37	WG1496709
Phenol	U		0.0103	0.0238	2.38	06/23/2020 17:37	WG1496709
2,4,5-Trichlorophenol	U		0.000259	0.0238	2.38	06/23/2020 17:37	WG1496709
2,4,6-Trichlorophenol	U		0.000238	0.0238	2.38	06/23/2020 17:37	WG1496709
(S) 2-Fluorophenol	*45.2*			*10.0-120*		*06/23/2020 17:37*	WG1496709
(S) Phenol-d5	*31.5*			*10.0-120*		*06/23/2020 17:37*	WG1496709
(S) Nitrobenzene-d5	*62.6*			*10.0-127*		*06/23/2020 17:37*	WG1496709
(S) 2-Fluorobiphenyl	*58.4*			*10.0-130*		*06/23/2020 17:37*	WG1496709
(S) 2,4,6-Tribromophenol	*88.7*			*10.0-155*		*06/23/2020 17:37*	WG1496709
(S) p-Terphenyl-d14	*80.7*			*10.0-128*		*06/23/2020 17:37*	WG1496709

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1140		5.64	20.0	1	06/23/2020 23:59	WG1497359

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.500	1.00	10	06/26/2020 13:54	WG1498640

Sample Narrative:

L1230685-42 WG1498640: Diluted due to sulfide interference.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	69.2		0.379	1.00	1	06/24/2020 04:28	WG1497346
Fluoride	1.33		0.0640	0.150	1	06/24/2020 04:28	WG1497346
Sulfate	703		11.9	100	20	06/24/2020 04:43	WG1497346

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00163	B J	0.000735	0.00200	1	06/25/2020 01:36	WG1495382
Arsenic,Dissolved	0.00162	J	0.000735	0.00200	1	06/22/2020 22:40	WG1496574
Barium	0.0237		0.00778	0.0200	1	06/25/2020 01:36	WG1495382
Barium,Dissolved	0.0224		0.00778	0.0200	1	06/22/2020 22:40	WG1496574
Calcium	218		0.480	1.00	1	06/25/2020 01:36	WG1495382
Chromium	U		0.00149	0.00200	1	06/25/2020 01:36	WG1495382
Chromium,Dissolved	U		0.00149	0.00200	1	06/22/2020 22:40	WG1496574
Iron	U		0.0489	0.100	1	06/25/2020 01:36	WG1495382
Iron,Dissolved	U		0.0489	0.100	1	06/22/2020 22:40	WG1496574
Lead	U		0.00249	0.00500	1	06/25/2020 01:36	WG1495382
Lead,Dissolved	U		0.00249	0.00500	1	06/22/2020 22:40	WG1496574
Manganese	0.0181		0.00132	0.00500	1	06/25/2020 13:25	WG1495382
Manganese,Dissolved	0.0173		0.00132	0.00500	1	06/22/2020 22:40	WG1496574
Potassium	4.88		0.534	2.00	1	06/25/2020 01:36	WG1495382
Selenium	U		0.000657	0.00200	1	06/25/2020 01:36	WG1495382
Selenium,Dissolved	0.000700	J	0.000657	0.00200	1	06/22/2020 22:40	WG1496574
Sodium	73.6		0.630	2.00	1	06/25/2020 01:36	WG1495382

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.22		0.0314	0.100	1	06/24/2020 01:50	WG1497847
(S) a,a,a-Trifluorotoluene(FID)	*91.1*			*78.0-120*		*06/24/2020 01:50*	WG1497847

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 22:46	WG1498555
Benzene	0.0660		0.0000941	0.00100	1	06/24/2020 22:46	WG1498555
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 22:46	WG1498555
Bromoform	U		0.000129	0.00100	1	06/24/2020 22:46	WG1498555
Bromomethane	U		0.000605	0.00500	1	06/24/2020 22:46	WG1498555
n-Butylbenzene	0.000293	J	0.000157	0.00100	1	06/24/2020 22:46	WG1498555

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	0.0367		0.000125	0.00100	1	06/24/2020 22:46	WG1498555
Carbon disulfide	0.000403	J	0.0000962	0.00100	1	06/24/2020 22:46	WG1498555
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 22:46	WG1498555
Chlorobenzene	U	J4	0.000116	0.00100	1	06/24/2020 22:46	WG1498555
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 22:46	WG1498555
Chloroethane	U		0.000192	0.00500	1	06/24/2020 22:46	WG1498555
Chloroform	U		0.000111	0.00500	1	06/24/2020 22:46	WG1498555
Chloromethane	U		0.000960	0.00250	1	06/24/2020 22:46	WG1498555
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 22:46	WG1498555
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 22:46	WG1498555
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 22:46	WG1498555
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 22:46	WG1498555
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 22:46	WG1498555
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 22:46	WG1498555
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 22:46	WG1498555
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 22:46	WG1498555
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 22:46	WG1498555
Ethylbenzene	0.000161	J	0.000137	0.00100	1	06/24/2020 22:46	WG1498555
Isopropylbenzene	0.0263		0.000105	0.00100	1	06/24/2020 22:46	WG1498555
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 22:46	WG1498555
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 22:46	WG1498555
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 22:46	WG1498555
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 22:46	WG1498555
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 22:46	WG1498555
Methyl tert-butyl ether	0.000790	J	0.000101	0.00100	1	06/24/2020 22:46	WG1498555
Naphthalene	U		0.00100	0.00500	1	06/24/2020 22:46	WG1498555
n-Propylbenzene	0.00216		0.0000993	0.00100	1	06/24/2020 22:46	WG1498555
Styrene	U		0.000118	0.00100	1	06/24/2020 22:46	WG1498555
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 22:46	WG1498555
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 22:46	WG1498555
Tetrachloroethene	U	J4	0.000300	0.00100	1	06/24/2020 22:46	WG1498555
Toluene	0.000403	J	0.000278	0.00100	1	06/24/2020 22:46	WG1498555
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 22:46	WG1498555
1,1,2-Trichloroethane	U	J4	0.000158	0.00100	1	06/24/2020 22:46	WG1498555
Trichloroethene	U	J4	0.000190	0.00100	1	06/24/2020 22:46	WG1498555
1,2,4-Trimethylbenzene	0.000368	J	0.000322	0.00100	1	06/24/2020 22:46	WG1498555
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/24/2020 22:46	WG1498555
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 22:46	WG1498555
o-Xylene	U		0.000174	0.00100	1	06/24/2020 22:46	WG1498555
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 22:46	WG1498555
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 22:46	WG1498555
(S) Toluene-d8	*87.5*			*80.0-120*		*06/24/2020 22:46*	WG1498555
(S) 4-Bromofluorobenzene	*85.3*			*77.0-126*		*06/24/2020 22:46*	WG1498555
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*		*06/24/2020 22:46*	WG1498555

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.03		0.0247	0.100	1	06/26/2020 09:04	WG1496551
(S) o-Terphenyl	*103*			*31.0-160*		*06/26/2020 09:04*	WG1496551

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3600		14.1	50.0	1	06/23/2020 23:59	WG1497359

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	8.27		0.500	1.00	10	06/26/2020 13:55	WG1498640

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	06/25/2020 22:41	WG1498827

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	114		37.9	100	100	06/24/2020 08:24	WG1497346
Fluoride	0.343		0.0640	0.150	1	06/24/2020 12:58	WG1497346
Sulfate	2210		59.4	500	100	06/24/2020 08:24	WG1497346

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	06/21/2020 22:19	WG1495163
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 21:21	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.590		0.0254	0.200	1	06/25/2020 10:44	WG1495366
Boron,Dissolved	0.605		0.0254	0.200	1	06/25/2020 13:09	WG1495344

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00178	B J	0.000735	0.00200	1	06/25/2020 01:40	WG1495382
Arsenic,Dissolved	0.00163	J	0.000735	0.00200	1	06/22/2020 22:43	WG1496574
Barium	0.00890	J	0.00778	0.0200	1	06/25/2020 01:40	WG1495382
Barium,Dissolved	0.00779	J	0.00778	0.0200	1	06/22/2020 22:43	WG1496574
Cadmium	U		0.000478	0.00100	1	06/25/2020 01:40	WG1495382
Cadmium,Dissolved	U		0.000478	0.00100	1	06/22/2020 22:43	WG1496574
Calcium	525		0.480	1.00	1	06/25/2020 01:40	WG1495382
Chromium	U		0.00149	0.00200	1	06/25/2020 01:40	WG1495382
Chromium,Dissolved	U		0.00149	0.00200	1	06/22/2020 22:43	WG1496574
Cobalt	U		0.000477	0.00200	1	06/25/2020 01:40	WG1495382
Cobalt,Dissolved	U		0.000477	0.00200	1	06/22/2020 22:43	WG1496574
Iron	U		0.0489	0.100	1	06/25/2020 01:40	WG1495382
Iron,Dissolved	U		0.0489	0.100	1	06/22/2020 22:43	WG1496574
Lead	U		0.00249	0.00500	1	06/25/2020 01:40	WG1495382
Lead,Dissolved	U		0.00249	0.00500	1	06/22/2020 22:43	WG1496574
Manganese	U		0.00132	0.00500	1	06/25/2020 13:28	WG1495382
Manganese,Dissolved	0.00177	J	0.00132	0.00500	1	06/22/2020 22:43	WG1496574
Nickel	0.0162		0.000952	0.00200	1	06/25/2020 13:28	WG1495382
Nickel,Dissolved	U		0.000952	0.00200	1	06/22/2020 22:43	WG1496574

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	0.742	J	0.534	2.00	1	06/25/2020 01:40	WG1495382
Selenium	0.00254		0.000657	0.00200	1	06/25/2020 01:40	WG1495382
Selenium,Dissolved	0.00391		0.000657	0.00200	1	06/22/2020 22:43	WG1496574
Sodium	126		0.630	2.00	1	06/25/2020 01:40	WG1495382
Uranium	0.0266		0.00754	0.0200	1	06/25/2020 01:40	WG1495382
Uranium,Dissolved	0.0271		0.00754	0.0200	1	06/22/2020 22:43	WG1496574
Vanadium	0.0126		0.000986	0.00500	1	06/25/2020 01:40	WG1495382
Vanadium,Dissolved	0.0129		0.000986	0.00500	1	06/22/2020 22:43	WG1496574

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0359	B J	0.0314	0.100	1	06/24/2020 02:12	WG1497847
(S) a,a,a-Trifluorotoluene(FID)	*95.7*			*78.0-120*		*06/24/2020 02:12*	WG1497847

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/22/2020 05:18	WG1496571
Benzene	U		0.0000941	0.00100	1	06/22/2020 05:18	WG1496571
Bromodichloromethane	U		0.000136	0.00100	1	06/22/2020 05:18	WG1496571
Bromoform	U		0.000129	0.00100	1	06/22/2020 05:18	WG1496571
Bromomethane	U		0.000605	0.00500	1	06/22/2020 05:18	WG1496571
n-Butylbenzene	U		0.000157	0.00100	1	06/22/2020 05:18	WG1496571
sec-Butylbenzene	U		0.000125	0.00100	1	06/22/2020 05:18	WG1496571
Carbon disulfide	U		0.0000962	0.00100	1	06/22/2020 05:18	WG1496571
Carbon tetrachloride	U		0.000128	0.00100	1	06/22/2020 05:18	WG1496571
Chlorobenzene	U		0.000116	0.00100	1	06/22/2020 05:18	WG1496571
Chlorodibromomethane	U		0.000140	0.00100	1	06/22/2020 05:18	WG1496571
Chloroethane	U		0.000192	0.00500	1	06/22/2020 05:18	WG1496571
Chloroform	U		0.000111	0.00500	1	06/22/2020 05:18	WG1496571
Chloromethane	U		0.000960	0.00250	1	06/22/2020 05:18	WG1496571
1,2-Dibromoethane	U		0.000126	0.00100	1	06/22/2020 05:18	WG1496571
1,1-Dichloroethane	U		0.000100	0.00100	1	06/22/2020 05:18	WG1496571
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/22/2020 05:18	WG1496571
1,1-Dichloroethene	U		0.000188	0.00100	1	06/22/2020 05:18	WG1496571
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/22/2020 05:18	WG1496571
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/22/2020 05:18	WG1496571
1,2-Dichloropropane	U		0.000149	0.00100	1	06/22/2020 05:18	WG1496571
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/22/2020 05:18	WG1496571
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/22/2020 05:18	WG1496571
Ethylbenzene	U		0.000137	0.00100	1	06/22/2020 05:18	WG1496571
Isopropylbenzene	U		0.000105	0.00100	1	06/22/2020 05:18	WG1496571
p-Isopropyltoluene	U		0.000120	0.00100	1	06/22/2020 05:18	WG1496571
2-Butanone (MEK)	U		0.00119	0.0100	1	06/22/2020 05:18	WG1496571
2-Hexanone	U		0.000787	0.0100	1	06/22/2020 05:18	WG1496571
Methylene Chloride	U		0.000430	0.00500	1	06/22/2020 05:18	WG1496571
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/22/2020 05:18	WG1496571
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/22/2020 05:18	WG1496571
Naphthalene	U		0.00100	0.00500	1	06/22/2020 05:18	WG1496571
n-Propylbenzene	U		0.0000993	0.00100	1	06/22/2020 05:18	WG1496571
Styrene	U		0.000118	0.00100	1	06/22/2020 05:18	WG1496571
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/22/2020 05:18	WG1496571
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/22/2020 05:18	WG1496571
Tetrachloroethene	U		0.000300	0.00100	1	06/22/2020 05:18	WG1496571

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Toluene	U		0.000278	0.00100	1	06/22/2020 05:18	WG1496571
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/22/2020 05:18	WG1496571
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/22/2020 05:18	WG1496571
Trichloroethene	U		0.000190	0.00100	1	06/22/2020 05:18	WG1496571
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/22/2020 05:18	WG1496571
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/22/2020 05:18	WG1496571
Vinyl chloride	U		0.000234	0.00100	1	06/22/2020 05:18	WG1496571
o-Xylene	U		0.000174	0.00100	1	06/22/2020 05:18	WG1496571
m&p-Xylene	U		0.000430	0.00200	1	06/22/2020 05:18	WG1496571
Xylenes, Total	U		0.000174	0.00300	1	06/22/2020 05:18	WG1496571
(S) Toluene-d8	*106*			*80.0-120*		*06/22/2020 05:18*	WG1496571
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/22/2020 05:18*	WG1496571
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/22/2020 05:18*	WG1496571

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0415	J	0.0247	0.100	1	06/26/2020 08:38	WG1496551
(S) o-Terphenyl	*92.6*			*31.0-160*		*06/26/2020 08:38*	WG1496551

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4.00	J	2.82	10.0	1	06/23/2020 12:32	WG1497364

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/26/2020 13:56	WG1498640

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	06/24/2020 08:39	WG1497346
Fluoride	U		0.0640	0.150	1	06/24/2020 08:39	WG1497346
Sulfate	U		0.594	5.00	1	06/24/2020 08:39	WG1497346

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	06/25/2020 01:43	WG1495382
Arsenic,Dissolved	U		0.000735	0.00200	1	06/22/2020 22:46	WG1496574
Barium	U		0.00778	0.0200	1	06/25/2020 01:43	WG1495382
Barium,Dissolved	U		0.00778	0.0200	1	06/22/2020 22:46	WG1496574
Calcium	U		0.480	1.00	1	06/25/2020 01:43	WG1495382
Chromium	U		0.00149	0.00200	1	06/25/2020 01:43	WG1495382
Chromium,Dissolved	U		0.00149	0.00200	1	06/22/2020 22:46	WG1496574
Iron	U		0.0489	0.100	1	06/25/2020 01:43	WG1495382
Iron,Dissolved	U		0.0489	0.100	1	06/22/2020 22:46	WG1496574
Lead	U		0.00249	0.00500	1	06/25/2020 01:43	WG1495382
Lead,Dissolved	U		0.00249	0.00500	1	06/22/2020 22:46	WG1496574
Manganese	U		0.00132	0.00500	1	06/25/2020 13:32	WG1495382
Manganese,Dissolved	U		0.00132	0.00500	1	06/22/2020 22:46	WG1496574
Potassium	U		0.534	2.00	1	06/25/2020 01:43	WG1495382
Selenium	U		0.000657	0.00200	1	06/25/2020 01:43	WG1495382
Selenium,Dissolved	U		0.000657	0.00200	1	06/22/2020 22:46	WG1496574
Sodium	U		0.630	2.00	1	06/25/2020 01:43	WG1495382

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0419	B J	0.0314	0.100	1	06/24/2020 02:34	WG1497847
(S) a,a,a-Trifluorotoluene(FID)	*95.8*			*78.0-120*		*06/24/2020 02:34*	WG1497847

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/22/2020 05:39	WG1496571
Benzene	U		0.0000941	0.00100	1	06/22/2020 05:39	WG1496571
Bromodichloromethane	U		0.000136	0.00100	1	06/22/2020 05:39	WG1496571
Bromoform	U		0.000129	0.00100	1	06/22/2020 05:39	WG1496571
Bromomethane	U		0.000605	0.00500	1	06/22/2020 05:39	WG1496571
n-Butylbenzene	U		0.000157	0.00100	1	06/22/2020 05:39	WG1496571
sec-Butylbenzene	U		0.000125	0.00100	1	06/22/2020 05:39	WG1496571
Carbon disulfide	U		0.0000962	0.00100	1	06/22/2020 05:39	WG1496571
Carbon tetrachloride	U		0.000128	0.00100	1	06/22/2020 05:39	WG1496571

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/22/2020 05:39	WG1496571
Chlorodibromomethane	U		0.000140	0.00100	1	06/22/2020 05:39	WG1496571
Chloroethane	U		0.000192	0.00500	1	06/22/2020 05:39	WG1496571
Chloroform	0.000130	J	0.000111	0.00500	1	06/22/2020 05:39	WG1496571
Chloromethane	U		0.000960	0.00250	1	06/22/2020 05:39	WG1496571
1,2-Dibromoethane	U		0.000126	0.00100	1	06/22/2020 05:39	WG1496571
1,1-Dichloroethane	U		0.000100	0.00100	1	06/22/2020 05:39	WG1496571
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/22/2020 05:39	WG1496571
1,1-Dichloroethene	U		0.000188	0.00100	1	06/22/2020 05:39	WG1496571
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/22/2020 05:39	WG1496571
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/22/2020 05:39	WG1496571
1,2-Dichloropropane	U		0.000149	0.00100	1	06/22/2020 05:39	WG1496571
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/22/2020 05:39	WG1496571
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/22/2020 05:39	WG1496571
Ethylbenzene	U		0.000137	0.00100	1	06/22/2020 05:39	WG1496571
Isopropylbenzene	U		0.000105	0.00100	1	06/22/2020 05:39	WG1496571
p-Isopropyltoluene	U		0.000120	0.00100	1	06/22/2020 05:39	WG1496571
2-Butanone (MEK)	U		0.00119	0.0100	1	06/22/2020 05:39	WG1496571
2-Hexanone	U		0.000787	0.0100	1	06/22/2020 05:39	WG1496571
Methylene Chloride	U		0.000430	0.00500	1	06/22/2020 05:39	WG1496571
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/22/2020 05:39	WG1496571
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/22/2020 05:39	WG1496571
Naphthalene	U		0.00100	0.00500	1	06/22/2020 05:39	WG1496571
n-Propylbenzene	U		0.0000993	0.00100	1	06/22/2020 05:39	WG1496571
Styrene	U		0.000118	0.00100	1	06/22/2020 05:39	WG1496571
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/22/2020 05:39	WG1496571
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/22/2020 05:39	WG1496571
Tetrachloroethene	U		0.000300	0.00100	1	06/22/2020 05:39	WG1496571
Toluene	U		0.000278	0.00100	1	06/22/2020 05:39	WG1496571
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/22/2020 05:39	WG1496571
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/22/2020 05:39	WG1496571
Trichloroethene	U		0.000190	0.00100	1	06/22/2020 05:39	WG1496571
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/22/2020 05:39	WG1496571
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/22/2020 05:39	WG1496571
Vinyl chloride	U		0.000234	0.00100	1	06/22/2020 05:39	WG1496571
o-Xylene	U		0.000174	0.00100	1	06/22/2020 05:39	WG1496571
m&p-Xylene	U		0.000430	0.00200	1	06/22/2020 05:39	WG1496571
Xylenes, Total	U		0.000174	0.00300	1	06/22/2020 05:39	WG1496571
(S) Toluene-d8	*105*			*80.0-120*		*06/22/2020 05:39*	WG1496571
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*06/22/2020 05:39*	WG1496571
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/22/2020 05:39*	WG1496571

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/26/2020 02:36	WG1496551
(S) o-Terphenyl	*86.3*			*31.0-160*		*06/26/2020 02:36*	WG1496551

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	U		2.82	10.0	1	06/23/2020 12:32	WG1497364

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/26/2020 13:57	WG1498640

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	06/25/2020 22:42	WG1498827

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	U		0.379	1.00	1	06/24/2020 08:54	WG1497346
Fluoride	U		0.0640	0.150	1	06/24/2020 08:54	WG1497346
Sulfate	U		0.594	5.00	1	06/24/2020 08:54	WG1497346

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/21/2020 22:21	WG1495163
Mercury,Dissolved	U		0.000100	0.000200	1	06/21/2020 21:23	WG1495279

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	U		0.0254	0.200	1	06/25/2020 10:47	WG1495366
Boron,Dissolved	U		0.0254	0.200	1	06/23/2020 04:42	WG1496573

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	U		0.000735	0.00200	1	06/25/2020 01:46	WG1495382
Arsenic,Dissolved	U		0.000735	0.00200	1	06/22/2020 22:50	WG1496574
Barium	U		0.00778	0.0200	1	06/25/2020 01:46	WG1495382
Barium,Dissolved	U		0.00778	0.0200	1	06/22/2020 22:50	WG1496574
Cadmium	U		0.000478	0.00100	1	06/25/2020 01:46	WG1495382
Cadmium,Dissolved	U		0.000478	0.00100	1	06/22/2020 22:50	WG1496574
Calcium	U		0.480	1.00	1	06/25/2020 01:46	WG1495382
Chromium	U		0.00149	0.00200	1	06/25/2020 01:46	WG1495382
Chromium,Dissolved	U		0.00149	0.00200	1	06/22/2020 22:50	WG1496574
Cobalt	U		0.000477	0.00200	1	06/25/2020 01:46	WG1495382
Cobalt,Dissolved	U		0.000477	0.00200	1	06/22/2020 22:50	WG1496574
Iron	U		0.0489	0.100	1	06/25/2020 01:46	WG1495382
Iron,Dissolved	U		0.0489	0.100	1	06/22/2020 22:50	WG1496574
Lead	U		0.00249	0.00500	1	06/25/2020 01:46	WG1495382
Lead,Dissolved	U		0.00249	0.00500	1	06/22/2020 22:50	WG1496574
Manganese	U		0.00132	0.00500	1	06/25/2020 13:35	WG1495382
Manganese,Dissolved	U		0.00132	0.00500	1	06/22/2020 22:50	WG1496574
Nickel	0.00117	B J	0.000952	0.00200	1	06/25/2020 13:35	WG1495382
Nickel,Dissolved	U		0.000952	0.00200	1	06/22/2020 22:50	WG1496574

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	U		0.534	2.00	1	06/25/2020 01:46	WG1495382
Selenium	U		0.000657	0.00200	1	06/25/2020 01:46	WG1495382
Selenium,Dissolved	U		0.000657	0.00200	1	06/22/2020 22:50	WG1496574
Sodium	U		0.630	2.00	1	06/25/2020 01:46	WG1495382
Uranium	U		0.00754	0.0200	1	06/25/2020 01:46	WG1495382
Uranium,Dissolved	U		0.00754	0.0200	1	06/22/2020 22:50	WG1496574
Vanadium	U		0.000986	0.00500	1	06/25/2020 01:46	WG1495382
Vanadium,Dissolved	U		0.000986	0.00500	1	06/22/2020 22:50	WG1496574

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/24/2020 14:09	WG1498259
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*06/24/2020 14:09*	WG1498259

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/22/2020 05:59	WG1496571
Benzene	U		0.0000941	0.00100	1	06/22/2020 05:59	WG1496571
Bromodichloromethane	U		0.000136	0.00100	1	06/22/2020 05:59	WG1496571
Bromoform	U		0.000129	0.00100	1	06/22/2020 05:59	WG1496571
Bromomethane	U		0.000605	0.00500	1	06/22/2020 05:59	WG1496571
n-Butylbenzene	U		0.000157	0.00100	1	06/22/2020 05:59	WG1496571
sec-Butylbenzene	U		0.000125	0.00100	1	06/22/2020 05:59	WG1496571
Carbon disulfide	U		0.0000962	0.00100	1	06/22/2020 05:59	WG1496571
Carbon tetrachloride	U		0.000128	0.00100	1	06/22/2020 05:59	WG1496571
Chlorobenzene	U		0.000116	0.00100	1	06/22/2020 05:59	WG1496571
Chlorodibromomethane	U		0.000140	0.00100	1	06/22/2020 05:59	WG1496571
Chloroethane	U		0.000192	0.00500	1	06/22/2020 05:59	WG1496571
Chloroform	U		0.000111	0.00500	1	06/22/2020 05:59	WG1496571
Chloromethane	U		0.000960	0.00250	1	06/22/2020 05:59	WG1496571
1,2-Dibromoethane	U		0.000126	0.00100	1	06/22/2020 05:59	WG1496571
1,1-Dichloroethane	U		0.000100	0.00100	1	06/22/2020 05:59	WG1496571
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/22/2020 05:59	WG1496571
1,1-Dichloroethene	U		0.000188	0.00100	1	06/22/2020 05:59	WG1496571
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/22/2020 05:59	WG1496571
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/22/2020 05:59	WG1496571
1,2-Dichloropropane	U		0.000149	0.00100	1	06/22/2020 05:59	WG1496571
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/22/2020 05:59	WG1496571
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/22/2020 05:59	WG1496571
Ethylbenzene	U		0.000137	0.00100	1	06/22/2020 05:59	WG1496571
Isopropylbenzene	U		0.000105	0.00100	1	06/22/2020 05:59	WG1496571
p-Isopropyltoluene	U		0.000120	0.00100	1	06/22/2020 05:59	WG1496571
2-Butanone (MEK)	U		0.00119	0.0100	1	06/22/2020 05:59	WG1496571
2-Hexanone	U		0.000787	0.0100	1	06/22/2020 05:59	WG1496571
Methylene Chloride	U		0.000430	0.00500	1	06/22/2020 05:59	WG1496571
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/22/2020 05:59	WG1496571
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/22/2020 05:59	WG1496571
Naphthalene	U		0.00100	0.00500	1	06/22/2020 05:59	WG1496571
n-Propylbenzene	U		0.0000993	0.00100	1	06/22/2020 05:59	WG1496571
Styrene	U		0.000118	0.00100	1	06/22/2020 05:59	WG1496571
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/22/2020 05:59	WG1496571
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/22/2020 05:59	WG1496571
Tetrachloroethene	U		0.000300	0.00100	1	06/22/2020 05:59	WG1496571

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LB-REST-05

SAMPLE RESULTS - 45

Collected date/time: 06/16/20 14:15

L1230685

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Toluene	U		0.000278	0.00100	1	06/22/2020 05:59	WG1496571
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/22/2020 05:59	WG1496571
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/22/2020 05:59	WG1496571
Trichloroethene	U		0.000190	0.00100	1	06/22/2020 05:59	WG1496571
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/22/2020 05:59	WG1496571
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/22/2020 05:59	WG1496571
Vinyl chloride	U		0.000234	0.00100	1	06/22/2020 05:59	WG1496571
o-Xylene	U		0.000174	0.00100	1	06/22/2020 05:59	WG1496571
m&p-Xylene	U		0.000430	0.00200	1	06/22/2020 05:59	WG1496571
Xylenes, Total	U		0.000174	0.00300	1	06/22/2020 05:59	WG1496571
(S) Toluene-d8	*105*			*80.0-120*		*06/22/2020 05:59*	WG1496571
(S) 4-Bromofluorobenzene	*97.5*			*77.0-126*		*06/22/2020 05:59*	WG1496571
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/22/2020 05:59*	WG1496571

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/26/2020 03:02	WG1496551
(S) o-Terphenyl	*79.5*			*31.0-160*		*06/26/2020 03:02*	WG1496551

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

Released to Imaging: 11/22/2022 9:50:00 AM

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/22/2020 01:30	WG1496571
Benzene	U		0.0000941	0.00100	1	06/22/2020 01:30	WG1496571
Bromodichloromethane	U		0.000136	0.00100	1	06/22/2020 01:30	WG1496571
Bromoform	U		0.000129	0.00100	1	06/22/2020 01:30	WG1496571
Bromomethane	U		0.000605	0.00500	1	06/22/2020 01:30	WG1496571
n-Butylbenzene	U		0.000157	0.00100	1	06/22/2020 01:30	WG1496571
sec-Butylbenzene	U		0.000125	0.00100	1	06/22/2020 01:30	WG1496571
Carbon disulfide	U		0.0000962	0.00100	1	06/22/2020 01:30	WG1496571
Carbon tetrachloride	U		0.000128	0.00100	1	06/22/2020 01:30	WG1496571
Chlorobenzene	U		0.000116	0.00100	1	06/22/2020 01:30	WG1496571
Chlorodibromomethane	U		0.000140	0.00100	1	06/22/2020 01:30	WG1496571
Chloroethane	U		0.000192	0.00500	1	06/22/2020 01:30	WG1496571
Chloroform	U		0.000111	0.00500	1	06/22/2020 01:30	WG1496571
Chloromethane	U		0.000960	0.00250	1	06/22/2020 01:30	WG1496571
1,2-Dibromoethane	U		0.000126	0.00100	1	06/22/2020 01:30	WG1496571
1,1-Dichloroethane	U		0.000100	0.00100	1	06/22/2020 01:30	WG1496571
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/22/2020 01:30	WG1496571
1,1-Dichloroethene	U		0.000188	0.00100	1	06/22/2020 01:30	WG1496571
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/22/2020 01:30	WG1496571
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/22/2020 01:30	WG1496571
1,2-Dichloropropane	U		0.000149	0.00100	1	06/22/2020 01:30	WG1496571
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/22/2020 01:30	WG1496571
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/22/2020 01:30	WG1496571
Ethylbenzene	U		0.000137	0.00100	1	06/22/2020 01:30	WG1496571
Isopropylbenzene	U		0.000105	0.00100	1	06/22/2020 01:30	WG1496571
p-Isopropyltoluene	U		0.000120	0.00100	1	06/22/2020 01:30	WG1496571
2-Butanone (MEK)	U		0.00119	0.0100	1	06/22/2020 01:30	WG1496571
2-Hexanone	U		0.000787	0.0100	1	06/22/2020 01:30	WG1496571
Methylene Chloride	U		0.000430	0.00500	1	06/22/2020 01:30	WG1496571
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/22/2020 01:30	WG1496571
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/22/2020 01:30	WG1496571
Naphthalene	U		0.00100	0.00500	1	06/22/2020 01:30	WG1496571
n-Propylbenzene	U		0.0000993	0.00100	1	06/22/2020 01:30	WG1496571
Styrene	U		0.000118	0.00100	1	06/22/2020 01:30	WG1496571
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/22/2020 01:30	WG1496571
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/22/2020 01:30	WG1496571
Tetrachloroethene	U		0.000300	0.00100	1	06/22/2020 01:30	WG1496571
Toluene	U		0.000278	0.00100	1	06/22/2020 01:30	WG1496571
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/22/2020 01:30	WG1496571
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/22/2020 01:30	WG1496571
Trichloroethene	U		0.000190	0.00100	1	06/22/2020 01:30	WG1496571
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/22/2020 01:30	WG1496571
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/22/2020 01:30	WG1496571
Vinyl chloride	U		0.000234	0.00100	1	06/22/2020 01:30	WG1496571
o-Xylene	U		0.000174	0.00100	1	06/22/2020 01:30	WG1496571
m&p-Xylene	U		0.000430	0.00200	1	06/22/2020 01:30	WG1496571
Xylenes, Total	U		0.000174	0.00300	1	06/22/2020 01:30	WG1496571
(S) Toluene-d8	*105*			*80.0-120*		*06/22/2020 01:30*	WG1496571
(S) 4-Bromofluorobenzene	*98.1*			*77.0-126*		*06/22/2020 01:30*	WG1496571
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*06/22/2020 01:30*	WG1496571

Received by OCD: 11/22/2022 9:46:04 AM

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Collected date/time: 06/16/20 00:00

SAMPLE RESULTS - 47

L1230685

ONE LAB. NATIONWIDE.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/22/2020 01:51	WG1496571
Benzene	U		0.0000941	0.00100	1	06/22/2020 01:51	WG1496571
Bromodichloromethane	U		0.000136	0.00100	1	06/22/2020 01:51	WG1496571
Bromoform	U		0.000129	0.00100	1	06/22/2020 01:51	WG1496571
Bromomethane	U		0.000605	0.00500	1	06/22/2020 01:51	WG1496571
n-Butylbenzene	U		0.000157	0.00100	1	06/22/2020 01:51	WG1496571
sec-Butylbenzene	U		0.000125	0.00100	1	06/22/2020 01:51	WG1496571
Carbon disulfide	U		0.0000962	0.00100	1	06/22/2020 01:51	WG1496571
Carbon tetrachloride	U		0.000128	0.00100	1	06/22/2020 01:51	WG1496571
Chlorobenzene	U		0.000116	0.00100	1	06/22/2020 01:51	WG1496571
Chlorodibromomethane	U		0.000140	0.00100	1	06/22/2020 01:51	WG1496571
Chloroethane	U		0.000192	0.00500	1	06/22/2020 01:51	WG1496571
Chloroform	U		0.000111	0.00500	1	06/22/2020 01:51	WG1496571
Chloromethane	U		0.000960	0.00250	1	06/22/2020 01:51	WG1496571
1,2-Dibromoethane	U		0.000126	0.00100	1	06/22/2020 01:51	WG1496571
1,1-Dichloroethane	U		0.000100	0.00100	1	06/22/2020 01:51	WG1496571
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/22/2020 01:51	WG1496571
1,1-Dichloroethene	U		0.000188	0.00100	1	06/22/2020 01:51	WG1496571
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/22/2020 01:51	WG1496571
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/22/2020 01:51	WG1496571
1,2-Dichloropropane	U		0.000149	0.00100	1	06/22/2020 01:51	WG1496571
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/22/2020 01:51	WG1496571
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/22/2020 01:51	WG1496571
Ethylbenzene	U		0.000137	0.00100	1	06/22/2020 01:51	WG1496571
Isopropylbenzene	U		0.000105	0.00100	1	06/22/2020 01:51	WG1496571
p-Isopropyltoluene	U		0.000120	0.00100	1	06/22/2020 01:51	WG1496571
2-Butanone (MEK)	U		0.00119	0.0100	1	06/22/2020 01:51	WG1496571
2-Hexanone	U		0.000787	0.0100	1	06/22/2020 01:51	WG1496571
Methylene Chloride	U		0.000430	0.00500	1	06/22/2020 01:51	WG1496571
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/22/2020 01:51	WG1496571
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/22/2020 01:51	WG1496571
Naphthalene	U		0.00100	0.00500	1	06/22/2020 01:51	WG1496571
n-Propylbenzene	U		0.0000993	0.00100	1	06/22/2020 01:51	WG1496571
Styrene	U		0.000118	0.00100	1	06/22/2020 01:51	WG1496571
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/22/2020 01:51	WG1496571
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/22/2020 01:51	WG1496571
Tetrachloroethene	U		0.000300	0.00100	1	06/22/2020 01:51	WG1496571
Toluene	U		0.000278	0.00100	1	06/22/2020 01:51	WG1496571
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/22/2020 01:51	WG1496571
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/22/2020 01:51	WG1496571
Trichloroethene	U		0.000190	0.00100	1	06/22/2020 01:51	WG1496571
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/22/2020 01:51	WG1496571
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/22/2020 01:51	WG1496571
Vinyl chloride	U		0.000234	0.00100	1	06/22/2020 01:51	WG1496571
o-Xylene	U		0.000174	0.00100	1	06/22/2020 01:51	WG1496571
m&p-Xylene	U		0.000430	0.00200	1	06/22/2020 01:51	WG1496571
Xylenes, Total	U		0.000174	0.00300	1	06/22/2020 01:51	WG1496571
(S) Toluene-d8	*106*			*80.0-120*		*06/22/2020 01:51*	WG1496571
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*06/22/2020 01:51*	WG1496571
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*06/22/2020 01:51*	WG1496571

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4280		14.1	50.0	1	06/23/2020 12:32	WG1497364

Sample Narrative:

L1230685-48 WG1497364: Due to a matrix interference, achieving a constant weight is not possible

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.460		0.0500	0.100	1	06/26/2020 13:59	WG1498640

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	211		3.79	10.0	10	06/24/2020 09:09	WG1497346
Fluoride	2.03		0.640	1.50	10	06/24/2020 09:09	WG1497346
Sulfate	2490		59.4	500	100	06/24/2020 09:24	WG1497346

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00451		0.000735	0.00200	1	06/24/2020 14:59	WG1497198
Arsenic,Dissolved	0.00253		0.000735	0.00200	1	06/22/2020 22:53	WG1496574
Barium	0.0243		0.00778	0.0200	1	06/24/2020 14:59	WG1497198
Barium,Dissolved	0.0103	J	0.00778	0.0200	1	06/22/2020 22:53	WG1496574
Calcium	515		0.480	1.00	1	06/24/2020 14:59	WG1497198
Chromium	0.00223		0.00149	0.00200	1	06/24/2020 14:59	WG1497198
Chromium,Dissolved	U		0.00149	0.00200	1	06/22/2020 22:53	WG1496574
Iron	3.06		0.0489	0.100	1	06/24/2020 14:59	WG1497198
Iron,Dissolved	0.0508	J	0.0489	0.100	1	06/22/2020 22:53	WG1496574
Lead	0.00276	J	0.00249	0.00500	1	06/24/2020 14:59	WG1497198
Lead,Dissolved	U		0.00249	0.00500	1	06/22/2020 22:53	WG1496574
Manganese	0.0307		0.00132	0.00500	1	06/24/2020 14:59	WG1497198
Manganese,Dissolved	0.00789		0.00132	0.00500	1	06/22/2020 22:53	WG1496574
Potassium	0.990	J	0.534	2.00	1	06/24/2020 14:59	WG1497198
Selenium	0.00475		0.000657	0.00200	1	06/24/2020 14:59	WG1497198
Selenium,Dissolved	0.00517		0.000657	0.00200	1	06/22/2020 22:53	WG1496574
Sodium	120		0.630	2.00	1	06/24/2020 14:59	WG1497198

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 09:39	WG1497269
Benzene	U		0.0000941	0.00100	1	06/23/2020 09:39	WG1497269
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 09:39	WG1497269
Bromoform	U		0.000129	0.00100	1	06/23/2020 09:39	WG1497269
Bromomethane	U		0.000605	0.00500	1	06/23/2020 09:39	WG1497269
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 09:39	WG1497269
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 09:39	WG1497269
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 09:39	WG1497269
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 09:39	WG1497269
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 09:39	WG1497269
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 09:39	WG1497269
Chloroethane	U		0.000192	0.00500	1	06/23/2020 09:39	WG1497269
Chloroform	U		0.000111	0.00500	1	06/23/2020 09:39	WG1497269

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.000960	0.00250	1	06/23/2020 09:39	WG1497269
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 09:39	WG1497269
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 09:39	WG1497269
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 09:39	WG1497269
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 09:39	WG1497269
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 09:39	WG1497269
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 09:39	WG1497269
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 09:39	WG1497269
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 09:39	WG1497269
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 09:39	WG1497269
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 09:39	WG1497269
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 09:39	WG1497269
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 09:39	WG1497269
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 09:39	WG1497269
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 09:39	WG1497269
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 09:39	WG1497269
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 09:39	WG1497269
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 09:39	WG1497269
Naphthalene	U		0.00100	0.00500	1	06/23/2020 09:39	WG1497269
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 09:39	WG1497269
Styrene	U		0.000118	0.00100	1	06/23/2020 09:39	WG1497269
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 09:39	WG1497269
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 09:39	WG1497269
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 09:39	WG1497269
Toluene	U		0.000278	0.00100	1	06/23/2020 09:39	WG1497269
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 09:39	WG1497269
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 09:39	WG1497269
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 09:39	WG1497269
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 09:39	WG1497269
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 09:39	WG1497269
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 09:39	WG1497269
o-Xylene	U		0.000174	0.00100	1	06/23/2020 09:39	WG1497269
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 09:39	WG1497269
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 09:39	WG1497269
(S) Toluene-d8	*106*			*80.0-120*		*06/23/2020 09:39*	WG1497269
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/23/2020 09:39*	WG1497269
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/23/2020 09:39*	WG1497269

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4210		14.1	50.0	1	06/23/2020 12:32	WG1497364

Sample Narrative:

L1230685-49 WG1497364: Due to a matrix interference, achieving a constant weight is not possible

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.520		0.0500	0.100	1	06/26/2020 14:00	WG1498640

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	282		37.9	100	100	06/24/2020 09:54	WG1497346
Fluoride	1.59		0.0640	0.150	1	06/24/2020 13:13	WG1497346
Sulfate	2270		59.4	500	100	06/24/2020 09:54	WG1497346

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00294		0.000735	0.00200	1	06/24/2020 15:02	WG1497198
Arsenic,Dissolved	0.00285		0.000735	0.00200	1	06/22/2020 21:48	WG1496574
Barium	0.00939	J	0.00778	0.0200	1	06/24/2020 15:02	WG1497198
Barium,Dissolved	0.00796	J	0.00778	0.0200	1	06/22/2020 21:48	WG1496574
Calcium	559		0.480	1.00	1	06/24/2020 15:02	WG1497198
Chromium	U		0.00149	0.00200	1	06/24/2020 15:02	WG1497198
Chromium,Dissolved	U		0.00149	0.00200	1	06/22/2020 21:48	WG1496574
Iron	0.161		0.0489	0.100	1	06/24/2020 15:02	WG1497198
Iron,Dissolved	U		0.0489	0.100	1	06/22/2020 21:48	WG1496574
Lead	U		0.00249	0.00500	1	06/24/2020 15:02	WG1497198
Lead,Dissolved	U		0.00249	0.00500	1	06/22/2020 21:48	WG1496574
Manganese	0.0241		0.00132	0.00500	1	06/24/2020 15:02	WG1497198
Manganese,Dissolved	0.00841		0.00132	0.00500	1	06/22/2020 21:48	WG1496574
Potassium	1.11	J	0.534	2.00	1	06/24/2020 15:02	WG1497198
Selenium	0.00730		0.000657	0.00200	1	06/24/2020 15:02	WG1497198
Selenium,Dissolved	0.00674		0.000657	0.00200	1	06/22/2020 21:48	WG1496574
Sodium	177		0.630	2.00	1	06/24/2020 15:02	WG1497198

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/24/2020 14:29	WG1498259
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*06/24/2020 14:29*	WG1498259

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 10:00	WG1497269
Benzene	U		0.0000941	0.00100	1	06/23/2020 10:00	WG1497269
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 10:00	WG1497269
Bromoform	U		0.000129	0.00100	1	06/23/2020 10:00	WG1497269
Bromomethane	U		0.000605	0.00500	1	06/23/2020 10:00	WG1497269
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 10:00	WG1497269

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 10:00	WG1497269
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 10:00	WG1497269
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 10:00	WG1497269
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 10:00	WG1497269
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 10:00	WG1497269
Chloroethane	U		0.000192	0.00500	1	06/23/2020 10:00	WG1497269
Chloroform	U		0.000111	0.00500	1	06/23/2020 10:00	WG1497269
Chloromethane	U		0.000960	0.00250	1	06/23/2020 10:00	WG1497269
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 10:00	WG1497269
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 10:00	WG1497269
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 10:00	WG1497269
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 10:00	WG1497269
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 10:00	WG1497269
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 10:00	WG1497269
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 10:00	WG1497269
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 10:00	WG1497269
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 10:00	WG1497269
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 10:00	WG1497269
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 10:00	WG1497269
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 10:00	WG1497269
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 10:00	WG1497269
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 10:00	WG1497269
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 10:00	WG1497269
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 10:00	WG1497269
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 10:00	WG1497269
Naphthalene	U		0.00100	0.00500	1	06/23/2020 10:00	WG1497269
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 10:00	WG1497269
Styrene	U		0.000118	0.00100	1	06/23/2020 10:00	WG1497269
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 10:00	WG1497269
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 10:00	WG1497269
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 10:00	WG1497269
Toluene	U		0.000278	0.00100	1	06/23/2020 10:00	WG1497269
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 10:00	WG1497269
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 10:00	WG1497269
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 10:00	WG1497269
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 10:00	WG1497269
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 10:00	WG1497269
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 10:00	WG1497269
o-Xylene	U		0.000174	0.00100	1	06/23/2020 10:00	WG1497269
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 10:00	WG1497269
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 10:00	WG1497269
(S) Toluene-d8	*107*			*80.0-120*		*06/23/2020 10:00*	WG1497269
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/23/2020 10:00*	WG1497269
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/23/2020 10:00*	WG1497269

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/26/2020 03:28	WG1496551
(S) o-Terphenyl	*76.8*			*31.0-160*		*06/26/2020 03:28*	WG1496551

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SAMPLE RESULTS - 50

ONE LAB. NATIONWIDE.

Collected date/time: 06/16/20 00:00

L1230685

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/23/2020 08:57	WG1497269
Benzene	U		0.0000941	0.00100	1	06/23/2020 08:57	WG1497269
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 08:57	WG1497269
Bromoform	U		0.000129	0.00100	1	06/23/2020 08:57	WG1497269
Bromomethane	U		0.000605	0.00500	1	06/23/2020 08:57	WG1497269
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 08:57	WG1497269
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 08:57	WG1497269
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 08:57	WG1497269
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 08:57	WG1497269
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 08:57	WG1497269
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 08:57	WG1497269
Chloroethane	U		0.000192	0.00500	1	06/23/2020 08:57	WG1497269
Chloroform	U		0.000111	0.00500	1	06/23/2020 08:57	WG1497269
Chloromethane	U		0.000960	0.00250	1	06/23/2020 08:57	WG1497269
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 08:57	WG1497269
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 08:57	WG1497269
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 08:57	WG1497269
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 08:57	WG1497269
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 08:57	WG1497269
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 08:57	WG1497269
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 08:57	WG1497269
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 08:57	WG1497269
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 08:57	WG1497269
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 08:57	WG1497269
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 08:57	WG1497269
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 08:57	WG1497269
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 08:57	WG1497269
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 08:57	WG1497269
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 08:57	WG1497269
4-Methyl-2-pentanone (MIBK)	0.00201	J	0.000478	0.0100	1	06/23/2020 08:57	WG1497269
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 08:57	WG1497269
Naphthalene	U		0.00100	0.00500	1	06/23/2020 08:57	WG1497269
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 08:57	WG1497269
Styrene	U		0.000118	0.00100	1	06/23/2020 08:57	WG1497269
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 08:57	WG1497269
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 08:57	WG1497269
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 08:57	WG1497269
Toluene	U		0.000278	0.00100	1	06/23/2020 08:57	WG1497269
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 08:57	WG1497269
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 08:57	WG1497269
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 08:57	WG1497269
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 08:57	WG1497269
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 08:57	WG1497269
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 08:57	WG1497269
o-Xylene	U		0.000174	0.00100	1	06/23/2020 08:57	WG1497269
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 08:57	WG1497269
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 08:57	WG1497269
(S) Toluene-d8	*108*			*80.0-120*		*06/23/2020 08:57*	WG1497269
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*		*06/23/2020 08:57*	WG1497269
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/23/2020 08:57*	WG1497269

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3542393-1 06/22/20 23:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	6650		2.82	10.0

Laboratory Control Sample (LCS)

(LCS) R3542393-2 06/22/20 23:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8310	94.4	85.0-115	

Method Blank (MB)

(MB) R3543100-1 06/23/20 22:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1230681-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1230681-16 06/23/20 22:49 • (DUP) R3543100-3 06/23/20 22:49

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	5360	4110	1	26.4	J3	5

L1230685-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-01 06/23/20 22:49 • (DUP) R3543100-4 06/23/20 22:49

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2810	2760	1	1.80		5

Laboratory Control Sample (LCS)

(LCS) R3543100-2 06/23/20 22:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8680	98.6	85.0-115	

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3542620-1 06/23/20 23:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1230685-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-10 06/23/20 23:41 • (DUP) R3542620-3 06/23/20 23:41

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	4010	3980	1	0.626		5

L1230685-28 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-28 06/23/20 23:41 • (DUP) R3542620-4 06/23/20 23:41

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3280	3420	1	4.03		5

Laboratory Control Sample (LCS)

(LCS) R3542620-2 06/23/20 23:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	7990	90.8	85.0-115	

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Method Blank (MB)

(MB) R3542931-1 06/23/20 23:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1230685-29 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-29 06/23/20 23:59 • (DUP) R3542931-3 06/23/20 23:59

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2520	2420	1	4.05		5

L1230685-43 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-43 06/23/20 23:59 • (DUP) R3542931-4 06/23/20 23:59

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3600	3650	1	1.38		5

Laboratory Control Sample (LCS)

(LCS) R3542931-2 06/23/20 23:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8200	93.2	85.0-115	

Method Blank (MB)

(MB) R3542234-1 06/23/20 12:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1230685-48 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-48 06/23/20 12:32 • (DUP) R3542234-3 06/23/20 12:32

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	4280	4360	1	1.85		5

Sample Narrative:

OS: Due to a matrix interference, achieving a constant weight is not possible

Laboratory Control Sample (LCS)

(LCS) R3542234-2 06/23/20 12:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8790	99.9	85.0-115	

Method Blank (MB)

(MB) R3544437-1 06/27/20 18:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1232516-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1232516-02 06/27/20 18:38 • (DUP) R3544437-3 06/27/20 18:38

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	4560	4250	1	7.04	J3	5

Laboratory Control Sample (LCS)

(LCS) R3544437-2 06/27/20 18:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8030	91.3	85.0-115	

Method Blank (MB)

(MB) R3543581-1 06/26/20 18:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1230685-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-01 06/26/20 18:08 • (DUP) R3543581-3 06/26/20 18:09

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

L1230685-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-12 06/26/20 18:29 • (DUP) R3543581-6 06/26/20 18:30

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	13.8	14.0	5	1.44		20

Laboratory Control Sample (LCS)

(LCS) R3543581-2 06/26/20 18:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	4.10	103	90.0-110	

L1230685-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-05 06/26/20 18:14 • (MS) R3543581-4 06/26/20 18:15 • (MSD) R3543581-5 06/26/20 18:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.478	3.29	3.30	112	113	1	90.0-110	J5	J5	0.303	20

L1230685-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230685-20 06/26/20 18:44 • (MS) R3543581-7 06/26/20 18:45

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	0.212	3.02	112	1	90.0-110	J5

Method Blank (MB)

(MB) R3543135-1 06/25/20 18:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1230685-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-22 06/25/20 19:01 • (DUP) R3543135-3 06/25/20 19:02

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	1.93	1.94	1	0.517		20

L1230685-33 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-33 06/25/20 19:22 • (DUP) R3543135-6 06/25/20 19:23

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3543135-2 06/25/20 19:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	4.03	101	90.0-110	

L1230685-26 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-26 06/25/20 19:07 • (MS) R3543135-4 06/25/20 19:08 • (MSD) R3543135-5 06/25/20 19:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	U	2.72	2.73	109	109	1	90.0-110			0.367	20

L1230685-36 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230685-36 06/25/20 19:31 • (MS) R3543135-7 06/25/20 19:32

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	U	2.75	110	1	90.0-110	

Method Blank (MB)

(MB) R3543435-1 06/26/20 13:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1230262-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1230262-09 06/26/20 13:37 • (DUP) R3543435-3 06/26/20 13:39

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	0.0585	1	0.000		20

L1230687-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1230687-03 06/26/20 14:06 • (DUP) R3543435-5 06/26/20 14:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	2	0.000		20

Sample Narrative:

OS: Diluted due to sulfide interference.

Laboratory Control Sample (LCS)

(LCS) R3543435-2 06/26/20 13:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	4.03	101	90.0-110	

L1230262-15 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230262-15 06/26/20 13:50 • (MS) R3543435-4 06/26/20 13:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	2.41	4.89	99.2	1	90.0-110	

L1230687-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230687-05 06/26/20 14:10 • (MS) R3543435-6 06/26/20 14:11 • (MSD) R3543435-7 06/26/20 14:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.0966	2.82	2.84	109	110	1	90.0-110			0.707	20

Method Blank (MB)

(MB) R3543143-1 06/25/20 22:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1230655-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1230655-02 06/25/20 22:17 • (DUP) R3543143-3 06/25/20 22:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1230685-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-24 06/25/20 22:34 • (DUP) R3543143-6 06/25/20 22:37

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3543143-2 06/25/20 22:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.103	103	90.0-110	

L1230685-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-02 06/25/20 22:25 • (MS) R3543143-4 06/25/20 22:26 • (MSD) R3543143-5 06/25/20 22:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0841	0.0852	84.1	85.2	1	75.0-125			1.30	20

L1230685-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-25 06/25/20 22:38 • (MS) R3543143-7 06/25/20 22:39 • (MSD) R3543143-8 06/25/20 22:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0877	0.0944	87.7	94.4	1	75.0-125			7.36	20

Method Blank (MB)

(MB) R3543209-1 06/25/20 01:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1230685-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-01 06/25/20 02:38 • (DUP) R3543209-3 06/25/20 02:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.915	0.902	1	1.47		15

L1230685-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-01 06/25/20 03:12 • (DUP) R3543209-4 06/25/20 03:29

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	458	455	20	0.496		15
Sulfate	834	829	20	0.616		15

L1230685-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-17 06/25/20 14:28 • (DUP) R3543209-7 06/25/20 14:45

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	69.8	69.7	1	0.173		15
Fluoride	1.51	1.52	1	0.396		15

L1230685-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-17 06/25/20 15:50 • (DUP) R3543209-8 06/25/20 16:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	703	707	10	0.577		15

Laboratory Control Sample (LCS)

(LCS) R3543209-2 06/25/20 02:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.7	102	80.0-120	
Fluoride	8.00	8.00	100	80.0-120	
Sulfate	40.0	41.5	104	80.0-120	

L1230685-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-11 06/25/20 09:58 • (MS) R3543209-5 06/25/20 10:15 • (MSD) R3543209-6 06/25/20 10:32

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	271	308	309	73.8	74.4	1	80.0-120	E V	E V	0.0923	15
Fluoride	5.00	0.865	5.63	5.83	95.3	99.2	1	80.0-120			3.42	15
Sulfate	50.0	24.7	75.0	74.5	101	99.7	1	80.0-120			0.581	15

L1230685-18 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230685-18 06/25/20 16:24 • (MS) R3543209-9 06/25/20 16:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	313	347	69.0	1	80.0-120	E V
Fluoride	5.00	0.993	5.77	95.5	1	80.0-120	
Sulfate	50.0	5.03	56.0	102	1	80.0-120	

Method Blank (MB)

(MB) R3543218-1 06/24/20 23:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1230685-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-27 06/25/20 05:23 • (DUP) R3543218-5 06/25/20 05:41

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	97.7	97.0	1	0.646		15
Fluoride	3.45	3.43	1	0.481		15

L1230685-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-27 06/25/20 05:59 • (DUP) R3543218-6 06/25/20 06:17

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	821	832	20	1.30		15

L1230685-40 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-40 06/25/20 15:45 • (DUP) R3543218-7 06/25/20 16:06

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	1.32	1.30	1	1.11		15
Sulfate	95.2	93.3	1	1.93		15

L1230685-40 Original Sample (OS) • Duplicate (DUP)

(OS) L1230685-40 06/25/20 16:24 • (DUP) R3543218-8 06/25/20 16:41

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	131	131	10	0.267		15

Laboratory Control Sample (LCS)

(LCS) R3543218-2 06/24/20 23:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.3	101	80.0-120	
Fluoride	8.00	8.19	102	80.0-120	
Sulfate	40.0	41.2	103	80.0-120	

L1230685-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-25 06/25/20 02:42 • (MS) R3543218-3 06/25/20 03:36 • (MSD) R3543218-4 06/25/20 04:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	75.9	123	123	94.7	94.7	1	80.0-120	E	E	0.0125	15
Fluoride	5.00	1.52	6.40	6.39	97.6	97.4	1	80.0-120			0.145	15
Sulfate	50.0	1090	1080	1080	0.000	0.000	1	80.0-120	E V	E V	0.0531	15

L1230685-41 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230685-41 06/25/20 16:59 • (MS) R3543218-9 06/25/20 17:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	303	338	70.9	1	80.0-120	E V
Fluoride	5.00	0.739	5.61	97.4	1	80.0-120	
Sulfate	50.0	693	656	0.000	1	80.0-120	E V

Method Blank (MB)

(MB) R3542446-1 06/23/20 19:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1230674-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230674-01 06/23/20 23:14 • (DUP) R3542446-3 06/23/20 23:29

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	61.0	61.0	1	0.127		15
Fluoride	0.105	0.102	1	2.42	J	15

L1230678-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1230678-06 06/24/20 02:58 • (DUP) R3542446-6 06/24/20 03:13

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

L1230674-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230674-01 06/24/20 10:43 • (DUP) R3542446-8 06/24/20 11:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	156	154	5	1.33		15

Laboratory Control Sample (LCS)

(LCS) R3542446-2 06/23/20 19:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.0	97.6	80.0-120	
Fluoride	8.00	7.96	99.5	80.0-120	
Sulfate	40.0	39.7	99.3	80.0-120	

Received by OCD: 11/22/2022 9:46:04 AM

L1230674-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230674-02 06/23/20 23:44 • (MS) R3542446-4 06/23/20 23:59 • (MSD) R3542446-5 06/24/20 00:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	63.8	112	112	95.7	96.0	1	80.0-120	E	E	0.142	15
Fluoride	5.00	0.123	5.09	5.12	99.3	99.9	1	80.0-120			0.537	15
Sulfate	50.0	159	198	199	78.5	79.2	1	80.0-120	E J6	E J6	0.178	15

L1230681-21 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230681-21 06/24/20 03:28 • (MS) R3542446-7 06/24/20 03:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	U	50.0	99.9	1	80.0-120	
Fluoride	5.00	U	4.99	99.9	1	80.0-120	
Sulfate	50.0	U	50.4	101	1	80.0-120	

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3541144-1 06/21/20 21:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3541144-2 06/21/20 21:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00311	104	80.0-120	

L1230687-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230687-04 06/21/20 21:38 • (MS) R3541144-3 06/21/20 21:40 • (MSD) R3541144-4 06/21/20 21:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00229	0.00212	76.2	70.8	1	75.0-125		J6	7.39	20

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3541143-1 06/21/20 20:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3541143-2 06/21/20 20:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00335	112	80.0-120	

L1230687-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230687-05 06/21/20 20:38 • (MS) R3541143-3 06/21/20 20:40 • (MSD) R3541143-4 06/21/20 20:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00246	0.00247	82.0	82.2	1	75.0-125			0.166	20

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3542922-1 06/25/20 11:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3542922-2 06/25/20 11:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	1.02	102	80.0-120	

L1230685-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-22 06/25/20 11:51 • (MS) R3542922-4 06/25/20 11:57 • (MSD) R3542922-5 06/25/20 12:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.184	1.21	1.22	103	103	1	75.0-125			0.380	20

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

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Method Blank (MB)

(MB) R3542943-1 06/25/20 09:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3542943-2 06/25/20 09:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.945	94.5	80.0-120	

L1230687-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230687-05 06/25/20 09:49 • (MS) R3542943-4 06/25/20 09:55 • (MSD) R3542943-5 06/25/20 09:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	2.08	3.00	3.02	92.7	94.0	1	75.0-125			0.448	20

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

Method Blank (MB)

(MB) R3541824-1 06/23/20 03:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3541824-2 06/23/20 03:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.970	97.0	80.0-120	

L1230687-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230687-05 06/23/20 03:47 • (MS) R3541824-4 06/23/20 03:52 • (MSD) R3541824-5 06/23/20 03:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	2.10	3.11	3.06	101	96.2	1	75.0-125			1.51	20

Method Blank (MB)

(MB) R3542614-1 06/24/20 20:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Cadmium,Dissolved	U		0.000478	0.00100
Chromium,Dissolved	U		0.00149	0.00200
Cobalt,Dissolved	U		0.000477	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Nickel,Dissolved	U		0.000952	0.00200
Selenium,Dissolved	U		0.000657	0.00200
Uranium,Dissolved	U		0.00754	0.0200
Vanadium,Dissolved	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3542614-2 06/24/20 20:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0487	97.3	80.0-120	
Barium,Dissolved	0.0500	0.0494	98.9	80.0-120	
Cadmium,Dissolved	0.0500	0.0513	103	80.0-120	
Chromium,Dissolved	0.0500	0.0499	99.7	80.0-120	
Cobalt,Dissolved	0.0500	0.0501	100	80.0-120	
Iron,Dissolved	5.00	4.95	99.1	80.0-120	
Lead,Dissolved	0.0500	0.0502	100	80.0-120	
Manganese,Dissolved	0.0500	0.0492	98.4	80.0-120	
Nickel,Dissolved	0.0500	0.0494	98.9	80.0-120	
Selenium,Dissolved	0.0500	0.0527	105	80.0-120	
Uranium,Dissolved	0.0500	0.0481	96.3	80.0-120	
Vanadium,Dissolved	0.0500	0.0490	98.0	80.0-120	

L1230681-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230681-19 06/24/20 20:53 • (MS) R3542614-4 06/24/20 21:00 • (MSD) R3542614-5 06/24/20 21:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	U	0.0493	0.0489	98.6	97.8	1	75.0-125			0.894	20
Barium,Dissolved	0.0500	U	0.0489	0.0500	97.7	100	1	75.0-125			2.29	20
Cadmium,Dissolved	0.0500	U	0.0515	0.0514	103	103	1	75.0-125			0.204	20

L1230681-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230681-19 06/24/20 20:53 • (MS) R3542614-4 06/24/20 21:00 • (MSD) R3542614-5 06/24/20 21:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	U	0.0513	0.0508	103	102	1	75.0-125			0.922	20
Cobalt,Dissolved	0.0500	U	0.0520	0.0514	104	103	1	75.0-125			1.13	20
Iron,Dissolved	5.00	U	5.04	5.03	101	101	1	75.0-125			0.348	20
Lead,Dissolved	0.0500	U	0.0499	0.0501	99.7	100	1	75.0-125			0.502	20
Manganese,Dissolved	0.0500	U	0.0513	0.0505	103	101	1	75.0-125			1.44	20
Nickel,Dissolved	0.0500	U	0.0513	0.0514	103	103	1	75.0-125			0.206	20
Selenium,Dissolved	0.0500	U	0.0532	0.0520	106	104	1	75.0-125			2.21	20
Uranium,Dissolved	0.0500	U	0.0483	0.0479	96.6	95.9	1	75.0-125			0.780	20
Vanadium,Dissolved	0.0500	U	0.0501	0.0497	100	99.3	1	75.0-125			0.915	20

Method Blank (MB)

(MB) R3543024-1 06/25/20 13:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Cadmium,Dissolved	U		0.000478	0.00100
Chromium,Dissolved	U		0.00149	0.00200
Cobalt,Dissolved	U		0.000477	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Nickel,Dissolved	U		0.000952	0.00200
Selenium,Dissolved	U		0.000657	0.00200
Uranium,Dissolved	U		0.00754	0.0200
Vanadium,Dissolved	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3543024-2 06/25/20 13:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0495	99.0	80.0-120	
Barium,Dissolved	0.0500	0.0507	101	80.0-120	
Cadmium,Dissolved	0.0500	0.0527	105	80.0-120	
Chromium,Dissolved	0.0500	0.0539	108	80.0-120	
Cobalt,Dissolved	0.0500	0.0532	106	80.0-120	
Iron,Dissolved	5.00	5.25	105	80.0-120	
Lead,Dissolved	0.0500	0.0512	102	80.0-120	
Manganese,Dissolved	0.0500	0.0532	106	80.0-120	
Nickel,Dissolved	0.0500	0.0550	110	80.0-120	
Selenium,Dissolved	0.0500	0.0576	115	80.0-120	
Uranium,Dissolved	0.0500	0.0503	101	80.0-120	
Vanadium,Dissolved	0.0500	0.0515	103	80.0-120	

L1230685-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-18 06/25/20 13:58 • (MS) R3543024-4 06/25/20 14:06 • (MSD) R3543024-5 06/25/20 14:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0247	0.0757	0.0731	102	96.8	1	75.0-125			3.41	20
Barium,Dissolved	0.0500	2.27	2.29	2.29	30.9	27.7	1	75.0-125	V	V	0.0692	20
Cadmium,Dissolved	0.0500	U	0.0530	0.0538	106	108	1	75.0-125			1.43	20

L1230685-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-18 06/25/20 13:58 • (MS) R3543024-4 06/25/20 14:06 • (MSD) R3543024-5 06/25/20 14:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	U	0.0521	0.0512	104	102	1	75.0-125			1.83	20
Cobalt,Dissolved	0.0500	U	0.0509	0.0498	102	99.6	1	75.0-125			2.27	20
Iron,Dissolved	5.00	U	5.10	4.97	102	99.4	1	75.0-125			2.54	20
Lead,Dissolved	0.0500	U	0.0538	0.0532	108	106	1	75.0-125			1.18	20
Manganese,Dissolved	0.0500	0.0932	0.145	0.139	104	91.8	1	75.0-125			4.43	20
Nickel,Dissolved	0.0500	0.00157	0.0520	0.0513	101	99.4	1	75.0-125			1.47	20
Selenium,Dissolved	0.0500	U	0.0634	0.0601	127	120	1	75.0-125	J5		5.43	20
Uranium,Dissolved	0.0500	U	0.0539	0.0532	108	106	1	75.0-125			1.28	20
Vanadium,Dissolved	0.0500	0.00148	0.0531	0.0511	103	99.3	1	75.0-125			3.74	20

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Method Blank (MB)

(MB) R3542965-1 06/25/20 13:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3542965-2 06/25/20 13:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0491	98.2	80.0-120	
Barium	0.0500	0.0498	99.5	80.0-120	
Cadmium	0.0500	0.0533	107	80.0-120	
Calcium	5.00	5.02	100	80.0-120	
Chromium	0.0500	0.0524	105	80.0-120	
Cobalt	0.0500	0.0519	104	80.0-120	
Iron	5.00	5.37	107	80.0-120	
Lead	0.0500	0.0490	98.1	80.0-120	
Manganese	0.0500	0.0513	103	80.0-120	
Nickel	0.0500	0.0541	108	80.0-120	
Potassium	5.00	4.92	98.4	80.0-120	
Selenium	0.0500	0.0493	98.7	80.0-120	
Sodium	5.00	5.17	103	80.0-120	
Uranium	0.0500	0.0496	99.2	80.0-120	
Vanadium	0.0500	0.0515	103	80.0-120	

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Received by OCD: 11/22/2022 9:46:04 AM

L1230681-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230681-15 06/25/20 13:17 • (MS) R3542965-4 06/25/20 13:24 • (MSD) R3542965-5 06/25/20 13:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0100	0.00419	0.0505	0.0499	92.6	91.5	5	75.0-125			1.09	20
Barium	0.0100	U	0.0644	0.0648	129	130	5	75.0-125	J5	J5	0.540	20
Cadmium	0.0100	U	0.0510	0.0498	102	99.7	5	75.0-125			2.37	20
Calcium	1.00	574	593	610	375	726	5	75.0-125	V	V	2.92	20
Chromium	0.0100	U	0.0508	0.0516	102	103	5	75.0-125			1.52	20
Cobalt	0.0100	U	0.0475	0.0473	95.0	94.6	5	75.0-125			0.446	20
Potassium	1.00	33.6	38.4	39.5	95.9	119	5	75.0-125			2.92	20
Iron	1.00	1.65	6.33	6.56	93.6	98.3	5	75.0-125			3.69	20
Lead	0.0100	U	0.0453	0.0450	90.6	89.9	5	75.0-125			0.692	20
Manganese	0.0100	1.13	1.22	1.25	180	251	5	75.0-125	V	V	2.87	20
Nickel	0.0100	0.00735	0.0555	0.0569	96.3	99.1	5	75.0-125			2.43	20
Selenium	0.0100	U	0.0481	0.0540	96.2	108	5	75.0-125			11.6	20
Sodium	1.00	3030	3160	3290	2500	5120	5	75.0-125	V	V	4.05	20
Uranium	0.0100	U	0.0715	0.0723	143	145	5	75.0-125	J5	J5	1.12	20
Vanadium	0.0100	U	0.0484	0.0483	96.9	96.7	5	75.0-125			0.217	20

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3543113-3 06/25/20 19:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3543113-4 06/25/20 19:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0506	101	80.0-120	
Barium	0.0500	0.0497	99.5	80.0-120	
Cadmium	0.0500	0.0496	99.2	80.0-120	
Calcium	5.00	4.96	99.2	80.0-120	
Chromium	0.0500	0.0523	105	80.0-120	
Cobalt	0.0500	0.0521	104	80.0-120	
Iron	5.00	5.12	102	80.0-120	
Lead	0.0500	0.0486	97.1	80.0-120	
Manganese	0.0500	0.0518	104	80.0-120	
Nickel	0.0500	0.0520	104	80.0-120	
Potassium	5.00	4.82	96.4	80.0-120	
Selenium	0.0500	0.0506	101	80.0-120	
Sodium	5.00	4.77	95.5	80.0-120	
Uranium	0.0500	0.0485	97.0	80.0-120	
Vanadium	0.0500	0.0501	100	80.0-120	

L1230685-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-14 06/25/20 19:31 • (MS) R3543113-6 06/25/20 19:38 • (MSD) R3543113-7 06/25/20 19:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00169	0.0498	0.0524	96.1	101	1	75.0-125			5.14	20
Barium	0.0500	0.00835	0.0602	0.0591	104	101	1	75.0-125			1.91	20
Cadmium	0.0500	U	0.0528	0.0512	106	102	1	75.0-125			3.19	20
Calcium	5.00	537	535	538	0.000	22.4	1	75.0-125	V	V	0.565	20
Chromium	0.0500	U	0.0495	0.0515	98.9	103	1	75.0-125			3.95	20
Cobalt	0.0500	U	0.0483	0.0499	96.7	99.7	1	75.0-125			3.13	20
Potassium	5.00	0.673	5.55	5.56	97.5	97.8	1	75.0-125			0.218	20
Iron	5.00	U	4.84	4.99	96.9	99.7	1	75.0-125			2.93	20
Lead	0.0500	U	0.0495	0.0506	99.0	101	1	75.0-125			2.12	20
Manganese	0.0500	U	0.0486	0.0502	97.2	100	1	75.0-125			3.18	20
Nickel	0.0500	U	0.0476	0.0497	95.2	99.4	1	75.0-125			4.31	20
Selenium	0.0500	0.00268	0.0596	0.0557	114	106	1	75.0-125			6.85	20
Sodium	5.00	130	135	135	89.4	86.8	1	75.0-125			0.0995	20
Uranium	0.0500	0.0275	0.0786	0.0793	102	104	1	75.0-125			0.845	20
Vanadium	0.0500	0.0129	0.0613	0.0637	96.8	102	1	75.0-125			3.84	20

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Method Blank (MB)

(MB) R3542674-1 06/24/20 22:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	0.000747	J	0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

Method Blank (MB)

(MB) R3542887-1 06/25/20 12:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nickel	0.00102	J	0.000952	0.00200

Laboratory Control Sample (LCS)

(LCS) R3542674-2 06/24/20 22:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0485	96.9	80.0-120	
Barium	0.0500	0.0468	93.6	80.0-120	
Cadmium	0.0500	0.0503	101	80.0-120	
Calcium	5.00	5.05	101	80.0-120	
Chromium	0.0500	0.0497	99.4	80.0-120	
Cobalt	0.0500	0.0490	98.1	80.0-120	
Iron	5.00	5.10	102	80.0-120	
Lead	0.0500	0.0488	97.6	80.0-120	
Manganese	0.0500	0.0484	96.8	80.0-120	
Potassium	5.00	4.94	98.8	80.0-120	
Selenium	0.0500	0.0477	95.3	80.0-120	
Sodium	5.00	4.84	96.8	80.0-120	

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Laboratory Control Sample (LCS)

(LCS) R3542674-2 06/24/20 22:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Uranium	0.0500	0.0484	96.7	80.0-120	
Vanadium	0.0500	0.0490	97.9	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3542887-2 06/25/20 12:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nickel	0.0500	0.0560	112	80.0-120	

L1230481-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230481-05 06/24/20 22:45 • (MS) R3542674-4 06/24/20 22:52 • (MSD) R3542674-5 06/24/20 22:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	U	0.0495	0.0493	99.1	98.6	1	75.0-125			0.513	20
Barium	0.0500	0.0126	0.0626	0.0621	100	99.0	1	75.0-125			0.922	20
Cadmium	0.0500	U	0.0499	0.0499	99.8	99.9	1	75.0-125			0.0948	20
Calcium	5.00	464	472	465	158	5.11	1	75.0-125	V	V	1.63	20
Chromium	0.0500	U	0.0493	0.0496	98.6	99.3	1	75.0-125			0.675	20
Cobalt	0.0500	U	0.0481	0.0489	96.3	97.8	1	75.0-125			1.59	20
Potassium	5.00	6.14	11.0	10.9	98.1	94.7	1	75.0-125			1.57	20
Iron	5.00	0.166	5.22	5.24	101	102	1	75.0-125			0.532	20
Lead	0.0500	U	0.0495	0.0486	99.0	97.2	1	75.0-125			1.87	20
Manganese	0.0500	0.218	0.261	0.264	85.9	90.5	1	75.0-125			0.885	20
Selenium	0.0500	U	0.0523	0.0492	105	98.4	1	75.0-125			6.09	20
Sodium	5.00	89.7	93.3	93.6	72.0	79.4	1	75.0-125	V		0.394	20
Uranium	0.0500	U	0.0589	0.0583	118	117	1	75.0-125			0.921	20
Vanadium	0.0500	U	0.0491	0.0496	98.2	99.2	1	75.0-125			1.07	20

L1230481-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230481-05 06/25/20 12:11 • (MS) R3542887-4 06/25/20 12:18 • (MSD) R3542887-5 06/25/20 12:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nickel	0.0500	0.00716	0.0574	0.0619	101	109	1	75.0-125			7.46	20

Method Blank (MB)

(MB) R3541605-1 06/22/20 21:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Cadmium,Dissolved	U		0.000478	0.00100
Chromium,Dissolved	U		0.00149	0.00200
Cobalt,Dissolved	U		0.000477	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Nickel,Dissolved	U		0.000952	0.00200
Selenium,Dissolved	U		0.000657	0.00200
Uranium,Dissolved	U		0.00754	0.0200
Vanadium,Dissolved	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3541605-2 06/22/20 21:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0473	94.7	80.0-120	
Barium,Dissolved	0.0500	0.0480	96.0	80.0-120	
Cadmium,Dissolved	0.0500	0.0511	102	80.0-120	
Chromium,Dissolved	0.0500	0.0505	101	80.0-120	
Cobalt,Dissolved	0.0500	0.0498	99.7	80.0-120	
Iron,Dissolved	5.00	5.14	103	80.0-120	
Lead,Dissolved	0.0500	0.0465	93.1	80.0-120	
Manganese,Dissolved	0.0500	0.0489	97.7	80.0-120	
Nickel,Dissolved	0.0500	0.0507	101	80.0-120	
Selenium,Dissolved	0.0500	0.0496	99.2	80.0-120	
Uranium,Dissolved	0.0500	0.0478	95.7	80.0-120	
Vanadium,Dissolved	0.0500	0.0490	97.9	80.0-120	

L1230685-49 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-49 06/22/20 21:48 • (MS) R3541605-4 06/22/20 21:55 • (MSD) R3541605-5 06/22/20 21:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00285	0.0504	0.0508	95.1	95.9	1	75.0-125			0.763	20
Barium,Dissolved	0.0500	0.00796	0.0567	0.0545	97.5	93.0	1	75.0-125			4.03	20
Cadmium,Dissolved	0.0500	U	0.0505	0.0504	101	101	1	75.0-125			0.330	20

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L1230685-49 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-49 06/22/20 21:48 • (MS) R3541605-4 06/22/20 21:55 • (MSD) R3541605-5 06/22/20 21:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	U	0.0499	0.0496	99.9	99.3	1	75.0-125			0.595	20
Cobalt,Dissolved	0.0500	0.00241	0.0502	0.0503	95.5	95.7	1	75.0-125			0.167	20
Iron,Dissolved	5.00	U	4.87	5.05	97.3	101	1	75.0-125			3.64	20
Lead,Dissolved	0.0500	U	0.0491	0.0474	98.1	94.7	1	75.0-125			3.55	20
Manganese,Dissolved	0.0500	0.00841	0.0551	0.0554	93.4	94.0	1	75.0-125			0.555	20
Nickel,Dissolved	0.0500	0.00474	0.0525	0.0528	95.4	96.1	1	75.0-125			0.583	20
Selenium,Dissolved	0.0500	0.00674	0.0580	0.0574	103	101	1	75.0-125			1.06	20
Uranium,Dissolved	0.0500	0.0284	0.0804	0.0775	104	98.3	1	75.0-125			3.59	20
Vanadium,Dissolved	0.0500	0.0139	0.0628	0.0629	97.9	98.1	1	75.0-125			0.200	20

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Method Blank (MB)

(MB) R3542486-1 06/24/20 12:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Calcium	U		0.480	1.00
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00

Method Blank (MB)

(MB) R3542487-1 06/24/20 14:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chromium	U		0.00149	0.00200

Laboratory Control Sample (LCS)

(LCS) R3542486-2 06/24/20 12:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0454	90.9	80.0-120	
Barium	0.0500	0.0432	86.3	80.0-120	
Calcium	5.00	4.69	93.8	80.0-120	
Iron	5.00	4.23	84.5	80.0-120	
Lead	0.0500	0.0467	93.3	80.0-120	
Manganese	0.0500	0.0435	87.0	80.0-120	
Potassium	5.00	4.75	95.0	80.0-120	
Selenium	0.0500	0.0454	90.9	80.0-120	
Sodium	5.00	4.87	97.4	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3542487-2 06/24/20 14:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chromium	0.0500	0.0465	92.9	80.0-120	

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L1230821-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230821-06 06/24/20 12:25 • (MS) R3542486-4 06/24/20 12:32 • (MSD) R3542486-5 06/24/20 12:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00982	0.0583	0.0608	96.9	102	1	75.0-125			4.25	20
Barium	0.0500	0.0447	0.0924	0.0917	95.3	94.0	1	75.0-125			0.712	20
Calcium	5.00	15.5	19.8	20.7	86.2	103	1	75.0-125			4.16	20
Potassium	5.00	1.78	6.08	6.24	85.8	89.1	1	75.0-125			2.70	20
Iron	5.00	0.176	4.73	4.93	91.0	95.2	1	75.0-125			4.29	20
Lead	0.0500	U	0.0499	0.0501	99.9	100	1	75.0-125			0.256	20
Manganese	0.0500	0.377	0.428	0.445	102	136	1	75.0-125		V	3.90	20
Selenium	0.0500	U	0.0462	0.0481	92.4	96.2	1	75.0-125			4.10	20
Sodium	5.00	232	236	242	64.4	191	1	75.0-125	V	V	2.65	20

L1230821-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230821-06 06/24/20 14:45 • (MS) R3542487-4 06/24/20 14:52 • (MSD) R3542487-5 06/24/20 14:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium	0.0500	U	0.0462	0.0454	92.4	90.7	1	75.0-125			1.87	20

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Method Blank (MB)

(MB) R3542955-2 06/21/20 23:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3542955-1 06/21/20 22:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.33	115	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*78.0-120*	

L1230685-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230685-16 06/22/20 08:45 • (MS) R3542955-3 06/22/20 09:26 • (MSD) R3542955-4 06/22/20 09:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	55.0	5.15	59.2	60.7	98.3	101	10	10.0-160			2.50	22
(S) a,a,a-Trifluorotoluene(FID)					*100*	*103*		*78.0-120*				

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Method Blank (MB)

(MB) R3541870-3 06/22/20 14:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3541870-1 06/22/20 13:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.17	112	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*78.0-120*	

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Method Blank (MB)

(MB) R3542457-3 06/24/20 11:55

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*96.0*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3542457-1 06/24/20 10:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.57	101	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*78.0-120*	

Method Blank (MB)

(MB) R3542784-2 06/23/20 18:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	0.0321	J	0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3542784-1 06/23/20 17:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.96	90.2	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*96.6*	*78.0-120*	

Method Blank (MB)

(MB) R3542415-3 06/24/20 11:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3542415-2 06/24/20 11:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.78	105	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*98.4*	*78.0-120*	

L1230821-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230821-06 06/24/20 16:33 • (MS) R3542415-4 06/25/20 03:32 • (MSD) R3542415-5 06/25/20 03:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	55.0	2.41	58.0	64.8	101	113	10	10.0-160			11.1	22
(S) a,a,a-Trifluorotoluene(FID)					*100*	*104*		*78.0-120*				

L1230823-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230823-08 06/25/20 02:30 • (MS) R3542415-6 06/25/20 04:13 • (MSD) R3542415-7 06/25/20 04:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	0.725	7.50	7.75	123	128	1	10.0-160			3.28	22
(S) a,a,a-Trifluorotoluene(FID)					*104*	*106*		*78.0-120*				

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Method Blank (MB)

(MB) R3543000-2 06/21/20 13:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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Method Blank (MB)

(MB) R3543000-2 06/21/20 13:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*108*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3543000-1 06/21/20 11:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0216	86.4	19.0-160	
Benzene	0.00500	0.00499	99.8	70.0-123	
Bromodichloromethane	0.00500	0.00467	93.4	75.0-120	
Bromoform	0.00500	0.00471	94.2	68.0-132	
Bromomethane	0.00500	0.00417	83.4	10.0-160	
n-Butylbenzene	0.00500	0.00445	89.0	73.0-125	
sec-Butylbenzene	0.00500	0.00497	99.4	75.0-125	
Carbon disulfide	0.00500	0.00477	95.4	61.0-128	
Carbon tetrachloride	0.00500	0.00587	117	68.0-126	
Chlorobenzene	0.00500	0.00399	79.8	80.0-121	J4
Chlorodibromomethane	0.00500	0.00451	90.2	77.0-125	
Chloroethane	0.00500	0.00384	76.8	47.0-150	
Chloroform	0.00500	0.00487	97.4	73.0-120	
Chloromethane	0.00500	0.00389	77.8	41.0-142	
1,2-Dibromoethane	0.00500	0.00558	112	80.0-122	
1,1-Dichloroethane	0.00500	0.00462	92.4	70.0-126	
1,2-Dichloroethane	0.00500	0.00380	76.0	70.0-128	
1,1-Dichloroethene	0.00500	0.00593	119	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00446	89.2	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00554	111	73.0-120	
1,2-Dichloropropane	0.00500	0.00477	95.4	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00635	127	80.0-123	J4
trans-1,3-Dichloropropene	0.00500	0.00541	108	78.0-124	

Laboratory Control Sample (LCS)

(LCS) R3543000-1 06/21/20 11:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00493	98.6	79.0-123	
2-Hexanone	0.0250	0.0230	92.0	67.0-149	
Isopropylbenzene	0.00500	0.00617	123	76.0-127	
p-Isopropyltoluene	0.00500	0.00461	92.2	76.0-125	
2-Butanone (MEK)	0.0250	0.0263	105	44.0-160	
Methylene Chloride	0.00500	0.00429	85.8	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0258	103	68.0-142	
Methyl tert-butyl ether	0.00500	0.00422	84.4	68.0-125	
Naphthalene	0.00500	0.00399	79.8	54.0-135	
n-Propylbenzene	0.00500	0.00520	104	77.0-124	
Styrene	0.00500	0.00596	119	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00502	100	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00472	94.4	65.0-130	
Tetrachloroethene	0.00500	0.00479	95.8	72.0-132	
Toluene	0.00500	0.00417	83.4	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00559	112	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00425	85.0	80.0-120	
Trichloroethene	0.00500	0.00680	136	78.0-124	J4
1,2,4-Trimethylbenzene	0.00500	0.00591	118	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00449	89.8	76.0-122	
Vinyl chloride	0.00500	0.00406	81.2	67.0-131	
Xylenes, Total	0.0150	0.0158	105	79.0-123	
o-Xylene	0.00500	0.00461	92.2	80.0-122	
m&p-Xylenes	0.0100	0.0112	112	80.0-122	
(S) Toluene-d8			*100*	*80.0-120*	
(S) 4-Bromofluorobenzene			*108*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*102*	*70.0-130*	

Method Blank (MB)

(MB) R3542570-2 06/21/20 15:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Method Blank (MB)

(MB) R3542570-2 06/21/20 15:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3542570-1 06/21/20 14:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0362	145	19.0-160	
Benzene	0.00500	0.00507	101	70.0-123	
Bromodichloromethane	0.00500	0.00490	98.0	75.0-120	
Bromoform	0.00500	0.00415	83.0	68.0-132	
Bromomethane	0.00500	0.00456	91.2	10.0-160	
n-Butylbenzene	0.00500	0.00424	84.8	73.0-125	
sec-Butylbenzene	0.00500	0.00436	87.2	75.0-125	
Carbon disulfide	0.00500	0.00441	88.2	61.0-128	
Carbon tetrachloride	0.00500	0.00461	92.2	68.0-126	
Chlorobenzene	0.00500	0.00492	98.4	80.0-121	
Chlorodibromomethane	0.00500	0.00467	93.4	77.0-125	
Chloroethane	0.00500	0.00499	99.8	47.0-150	
Chloroform	0.00500	0.00491	98.2	73.0-120	
Chloromethane	0.00500	0.00586	117	41.0-142	
1,2-Dibromoethane	0.00500	0.00500	100	80.0-122	
1,1-Dichloroethane	0.00500	0.00584	117	70.0-126	
1,2-Dichloroethane	0.00500	0.00557	111	70.0-128	
1,1-Dichloroethene	0.00500	0.00466	93.2	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00491	98.2	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00470	94.0	73.0-120	
1,2-Dichloropropane	0.00500	0.00588	118	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00501	100	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00464	92.8	78.0-124	

Laboratory Control Sample (LCS)

(LCS) R3542570-1 06/21/20 14:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00453	90.6	79.0-123	
2-Hexanone	0.0250	0.0320	128	67.0-149	
Isopropylbenzene	0.00500	0.00413	82.6	76.0-127	
p-Isopropyltoluene	0.00500	0.00442	88.4	76.0-125	
2-Butanone (MEK)	0.0250	0.0373	149	44.0-160	
Methylene Chloride	0.00500	0.00498	99.6	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0326	130	68.0-142	
Methyl tert-butyl ether	0.00500	0.00510	102	68.0-125	
Naphthalene	0.00500	0.00532	106	54.0-135	
n-Propylbenzene	0.00500	0.00447	89.4	77.0-124	
Styrene	0.00500	0.00459	91.8	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00473	94.6	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00514	103	65.0-130	
Tetrachloroethene	0.00500	0.00421	84.2	72.0-132	
Toluene	0.00500	0.00471	94.2	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00465	93.0	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00496	99.2	80.0-120	
Trichloroethene	0.00500	0.00539	108	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00428	85.6	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00431	86.2	76.0-122	
Vinyl chloride	0.00500	0.00514	103	67.0-131	
Xylenes, Total	0.0150	0.0135	90.0	79.0-123	
o-Xylene	0.00500	0.00445	89.0	80.0-122	
m&p-Xylenes	0.0100	0.00900	90.0	80.0-122	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*100*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*110*	*70.0-130*	

Method Blank (MB)

(MB) R3542546-2 06/22/20 01:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Method Blank (MB)

(MB) R3542546-2 06/22/20 01:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3542546-1 06/22/20 00:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0334	134	19.0-160	
Benzene	0.00500	0.00484	96.8	70.0-123	
Bromodichloromethane	0.00500	0.00475	95.0	75.0-120	
Bromoform	0.00500	0.00406	81.2	68.0-132	
Bromomethane	0.00500	0.00425	85.0	10.0-160	
n-Butylbenzene	0.00500	0.00415	83.0	73.0-125	
sec-Butylbenzene	0.00500	0.00431	86.2	75.0-125	
Carbon disulfide	0.00500	0.00424	84.8	61.0-128	
Carbon tetrachloride	0.00500	0.00445	89.0	68.0-126	
Chlorobenzene	0.00500	0.00495	99.0	80.0-121	
Chlorodibromomethane	0.00500	0.00458	91.6	77.0-125	
Chloroethane	0.00500	0.00471	94.2	47.0-150	
Chloroform	0.00500	0.00465	93.0	73.0-120	
Chloromethane	0.00500	0.00565	113	41.0-142	
1,2-Dibromoethane	0.00500	0.00490	98.0	80.0-122	
1,1-Dichloroethane	0.00500	0.00563	113	70.0-126	
1,2-Dichloroethane	0.00500	0.00542	108	70.0-128	
1,1-Dichloroethene	0.00500	0.00462	92.4	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00475	95.0	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00465	93.0	73.0-120	
1,2-Dichloropropane	0.00500	0.00569	114	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00481	96.2	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00457	91.4	78.0-124	

Laboratory Control Sample (LCS)

(LCS) R3542546-1 06/22/20 00:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00437	87.4	79.0-123	
2-Hexanone	0.0250	0.0306	122	67.0-149	
Isopropylbenzene	0.00500	0.00415	83.0	76.0-127	
p-Isopropyltoluene	0.00500	0.00440	88.0	76.0-125	
2-Butanone (MEK)	0.0250	0.0354	142	44.0-160	
Methylene Chloride	0.00500	0.00471	94.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0313	125	68.0-142	
Methyl tert-butyl ether	0.00500	0.00512	102	68.0-125	
Naphthalene	0.00500	0.00515	103	54.0-135	
n-Propylbenzene	0.00500	0.00445	89.0	77.0-124	
Styrene	0.00500	0.00450	90.0	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00465	93.0	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00476	95.2	65.0-130	
Tetrachloroethene	0.00500	0.00406	81.2	72.0-132	
Toluene	0.00500	0.00460	92.0	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00463	92.6	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00480	96.0	80.0-120	
Trichloroethene	0.00500	0.00540	108	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00433	86.6	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00439	87.8	76.0-122	
Vinyl chloride	0.00500	0.00502	100	67.0-131	
Xylenes, Total	0.0150	0.0133	88.7	79.0-123	
o-Xylene	0.00500	0.00454	90.8	80.0-122	
m&p-Xylenes	0.0100	0.00877	87.7	80.0-122	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*101*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*110*	*70.0-130*	

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3542514-3 06/23/20 02:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3542514-3 06/23/20 02:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

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

(LCS) R3542514-1 06/23/20 01:28 • (LCSD) R3542514-2 06/23/20 01:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0260	0.0292	104	117	19.0-160			11.6	27
Benzene	0.00500	0.00435	0.00469	87.0	93.8	70.0-123			7.52	20
Bromodichloromethane	0.00500	0.00413	0.00435	82.6	87.0	75.0-120			5.19	20
Bromoform	0.00500	0.00364	0.00380	72.8	76.0	68.0-132			4.30	20
Bromomethane	0.00500	0.00364	0.00384	72.8	76.8	10.0-160			5.35	25
n-Butylbenzene	0.00500	0.00405	0.00446	81.0	89.2	73.0-125			9.64	20
sec-Butylbenzene	0.00500	0.00431	0.00471	86.2	94.2	75.0-125			8.87	20
Carbon disulfide	0.00500	0.00354	0.00387	70.8	77.4	61.0-128			8.91	20
Carbon tetrachloride	0.00500	0.00421	0.00453	84.2	90.6	68.0-126			7.32	20
Chlorobenzene	0.00500	0.00447	0.00486	89.4	97.2	80.0-121			8.36	20
Chlorodibromomethane	0.00500	0.00411	0.00439	82.2	87.8	77.0-125			6.59	20
Chloroethane	0.00500	0.00413	0.00433	82.6	86.6	47.0-150			4.73	20
Chloroform	0.00500	0.00420	0.00441	84.0	88.2	73.0-120			4.88	20
Chloromethane	0.00500	0.00472	0.00510	94.4	102	41.0-142			7.74	20
1,2-Dibromoethane	0.00500	0.00433	0.00446	86.6	89.2	80.0-122			2.96	20
1,1-Dichloroethane	0.00500	0.00507	0.00532	101	106	70.0-126			4.81	20
1,2-Dichloroethane	0.00500	0.00443	0.00458	88.6	91.6	70.0-128			3.33	20
1,1-Dichloroethene	0.00500	0.00431	0.00460	86.2	92.0	71.0-124			6.51	20
cis-1,2-Dichloroethene	0.00500	0.00409	0.00449	81.8	89.8	73.0-120			9.32	20
trans-1,2-Dichloroethene	0.00500	0.00413	0.00435	82.6	87.0	73.0-120			5.19	20
1,2-Dichloropropane	0.00500	0.00511	0.00524	102	105	77.0-125			2.51	20
cis-1,3-Dichloropropene	0.00500	0.00432	0.00448	86.4	89.6	80.0-123			3.64	20
trans-1,3-Dichloropropene	0.00500	0.00414	0.00440	82.8	88.0	78.0-124			6.09	20

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

(LCS) R3542514-1 06/23/20 01:28 • (LCSD) R3542514-2 06/23/20 01:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.00500	0.00424	0.00465	84.8	93.0	79.0-123			9.22	20
2-Hexanone	0.0250	0.0264	0.0270	106	108	67.0-149			2.25	20
Isopropylbenzene	0.00500	0.00408	0.00437	81.6	87.4	76.0-127			6.86	20
p-Isopropyltoluene	0.00500	0.00427	0.00463	85.4	92.6	76.0-125			8.09	20
2-Butanone (MEK)	0.0250	0.0294	0.0299	118	120	44.0-160			1.69	20
Methylene Chloride	0.00500	0.00417	0.00439	83.4	87.8	67.0-120			5.14	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0256	0.0268	102	107	68.0-142			4.58	20
Methyl tert-butyl ether	0.00500	0.00437	0.00437	87.4	87.4	68.0-125			0.000	20
Naphthalene	0.00500	0.00370	0.00435	74.0	87.0	54.0-135			16.1	20
n-Propylbenzene	0.00500	0.00460	0.00483	92.0	96.6	77.0-124			4.88	20
Styrene	0.00500	0.00420	0.00447	84.0	89.4	73.0-130			6.23	20
1,1,1,2-Tetrachloroethane	0.00500	0.00428	0.00467	85.6	93.4	75.0-125			8.72	20
1,1,2,2-Tetrachloroethane	0.00500	0.00458	0.00455	91.6	91.0	65.0-130			0.657	20
Tetrachloroethene	0.00500	0.00396	0.00436	79.2	87.2	72.0-132			9.62	20
Toluene	0.00500	0.00433	0.00466	86.6	93.2	79.0-120			7.34	20
1,1,1-Trichloroethane	0.00500	0.00436	0.00464	87.2	92.8	73.0-124			6.22	20
1,1,2-Trichloroethane	0.00500	0.00437	0.00452	87.4	90.4	80.0-120			3.37	20
Trichloroethene	0.00500	0.00464	0.00505	92.8	101	78.0-124			8.46	20
1,2,4-Trimethylbenzene	0.00500	0.00473	0.00481	94.6	96.2	76.0-121			1.68	20
1,3,5-Trimethylbenzene	0.00500	0.00442	0.00467	88.4	93.4	76.0-122			5.50	20
Vinyl chloride	0.00500	0.00462	0.00492	92.4	98.4	67.0-131			6.29	20
Xylenes, Total	0.0150	0.0128	0.0138	85.3	92.0	79.0-123			7.52	20
o-Xylene	0.00500	0.00428	0.00462	85.6	92.4	80.0-122			7.64	20
m&p-Xylenes	0.0100	0.00854	0.00921	85.4	92.1	80.0-122			7.55	20
(S) Toluene-d8				*105*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.4*	*100*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*106*	*106*	*70.0-130*				

Method Blank (MB)

(MB) R3542960-3 06/24/20 13:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Method Blank (MB)

(MB) R3542960-3 06/24/20 13:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

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

(LCS) R3542960-1 06/24/20 11:17 • (LCSD) R3542960-2 06/24/20 11:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0307	0.0291	123	116	19.0-160			5.35	27
Benzene	0.00500	0.00528	0.00530	106	106	70.0-123			0.378	20
Bromodichloromethane	0.00500	0.00519	0.00524	104	105	75.0-120			0.959	20
Bromoform	0.00500	0.00595	0.00596	119	119	68.0-132			0.168	20
Bromomethane	0.00500	0.00575	0.00565	115	113	10.0-160			1.75	25
n-Butylbenzene	0.00500	0.00456	0.00478	91.2	95.6	73.0-125			4.71	20
sec-Butylbenzene	0.00500	0.00460	0.00484	92.0	96.8	75.0-125			5.08	20
Carbon disulfide	0.00500	0.00543	0.00547	109	109	61.0-128			0.734	20
Carbon tetrachloride	0.00500	0.00523	0.00522	105	104	68.0-126			0.191	20
Chlorobenzene	0.00500	0.00619	0.00634	124	127	80.0-121	J4	J4	2.39	20
Chlorodibromomethane	0.00500	0.00592	0.00607	118	121	77.0-125			2.50	20
Chloroethane	0.00500	0.00508	0.00474	102	94.8	47.0-150			6.92	20
Chloroform	0.00500	0.00527	0.00510	105	102	73.0-120			3.28	20
Chloromethane	0.00500	0.00534	0.00530	107	106	41.0-142			0.752	20
1,2-Dibromoethane	0.00500	0.00563	0.00584	113	117	80.0-122			3.66	20
1,1-Dichloroethane	0.00500	0.00494	0.00497	98.8	99.4	70.0-126			0.605	20
1,2-Dichloroethane	0.00500	0.00515	0.00527	103	105	70.0-128			2.30	20
1,1-Dichloroethene	0.00500	0.00544	0.00537	109	107	71.0-124			1.30	20
cis-1,2-Dichloroethene	0.00500	0.00549	0.00537	110	107	73.0-120			2.21	20
trans-1,2-Dichloroethene	0.00500	0.00559	0.00531	112	106	73.0-120			5.14	20
1,2-Dichloropropane	0.00500	0.00472	0.00461	94.4	92.2	77.0-125			2.36	20
cis-1,3-Dichloropropene	0.00500	0.00493	0.00495	98.6	99.0	80.0-123			0.405	20
trans-1,3-Dichloropropene	0.00500	0.00507	0.00525	101	105	78.0-124			3.49	20

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

(LCS) R3542960-1 06/24/20 11:17 • (LCSD) R3542960-2 06/24/20 11:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.00500	0.00557	0.00580	111	116	79.0-123			4.05	20
2-Hexanone	0.0250	0.0260	0.0259	104	104	67.0-149			0.385	20
Isopropylbenzene	0.00500	0.00592	0.00600	118	120	76.0-127			1.34	20
p-Isopropyltoluene	0.00500	0.00455	0.00493	91.0	98.6	76.0-125			8.02	20
2-Butanone (MEK)	0.0250	0.0273	0.0269	109	108	44.0-160			1.48	20
Methylene Chloride	0.00500	0.00472	0.00471	94.4	94.2	67.0-120			0.212	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0272	0.0276	109	110	68.0-142			1.46	20
Methyl tert-butyl ether	0.00500	0.00474	0.00466	94.8	93.2	68.0-125			1.70	20
Naphthalene	0.00500	0.00478	0.00510	95.6	102	54.0-135			6.48	20
n-Propylbenzene	0.00500	0.00452	0.00471	90.4	94.2	77.0-124			4.12	20
Styrene	0.00500	0.00582	0.00593	116	119	73.0-130			1.87	20
1,1,1,2-Tetrachloroethane	0.00500	0.00583	0.00613	117	123	75.0-125			5.02	20
1,1,2,2-Tetrachloroethane	0.00500	0.00439	0.00449	87.8	89.8	65.0-130			2.25	20
Tetrachloroethene	0.00500	0.00641	0.00664	128	133	72.0-132		J4	3.52	20
Toluene	0.00500	0.00546	0.00547	109	109	79.0-120			0.183	20
1,1,1-Trichloroethane	0.00500	0.00549	0.00541	110	108	73.0-124			1.47	20
1,1,2-Trichloroethane	0.00500	0.00587	0.00604	117	121	80.0-120		J4	2.85	20
Trichloroethene	0.00500	0.00613	0.00646	123	129	78.0-124		J4	5.24	20
1,2,4-Trimethylbenzene	0.00500	0.00422	0.00437	84.4	87.4	76.0-121			3.49	20
1,3,5-Trimethylbenzene	0.00500	0.00455	0.00470	91.0	94.0	76.0-122			3.24	20
Vinyl chloride	0.00500	0.00514	0.00512	103	102	67.0-131			0.390	20
Xylenes, Total	0.0150	0.0166	0.0170	111	113	79.0-123			2.38	20
o-Xylene	0.00500	0.00539	0.00565	108	113	80.0-122			4.71	20
m&p-Xylenes	0.0100	0.0112	0.0114	112	114	80.0-122			1.77	20
(S) Toluene-d8				*107*	*108*	*80.0-120*				
(S) 4-Bromofluorobenzene				*105*	*100*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*102*	*100*	*70.0-130*				

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

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3543547-2 06/25/20 11:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3543547-2 06/25/20 11:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3543547-1 06/25/20 10:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0303	121	19.0-160	
Benzene	0.00500	0.00515	103	70.0-123	
Bromodichloromethane	0.00500	0.00538	108	75.0-120	
Bromoform	0.00500	0.00470	94.0	68.0-132	
Bromomethane	0.00500	0.000880	17.6	10.0-160	
n-Butylbenzene	0.00500	0.00495	99.0	73.0-125	
sec-Butylbenzene	0.00500	0.00475	95.0	75.0-125	
Carbon disulfide	0.00500	0.00520	104	61.0-128	
Carbon tetrachloride	0.00500	0.00523	105	68.0-126	
Chlorobenzene	0.00500	0.00469	93.8	80.0-121	
Chlorodibromomethane	0.00500	0.00500	100	77.0-125	
Chloroethane	0.00500	0.00658	132	47.0-150	
Chloroform	0.00500	0.00512	102	73.0-120	
Chloromethane	0.00500	0.00371	74.2	41.0-142	
1,2-Dibromoethane	0.00500	0.00492	98.4	80.0-122	
1,1-Dichloroethane	0.00500	0.00526	105	70.0-126	
1,2-Dichloroethane	0.00500	0.00544	109	70.0-128	
1,1-Dichloroethene	0.00500	0.00464	92.8	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00520	104	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00509	102	73.0-120	
1,2-Dichloropropane	0.00500	0.00500	100	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00529	106	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00466	93.2	78.0-124	

Released to Imaging: 11/22/2022 9:50:00 AM

Laboratory Control Sample (LCS)

(LCS) R3543547-1 06/25/20 10:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00483	96.6	79.0-123	
2-Hexanone	0.0250	0.0213	85.2	67.0-149	
Isopropylbenzene	0.00500	0.00456	91.2	76.0-127	
p-Isopropyltoluene	0.00500	0.00465	93.0	76.0-125	
2-Butanone (MEK)	0.0250	0.0230	92.0	44.0-160	
Methylene Chloride	0.00500	0.00515	103	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0247	98.8	68.0-142	
Methyl tert-butyl ether	0.00500	0.00528	106	68.0-125	
Naphthalene	0.00500	0.00408	81.6	54.0-135	
n-Propylbenzene	0.00500	0.00502	100	77.0-124	
Styrene	0.00500	0.00437	87.4	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00488	97.6	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00505	101	65.0-130	
Tetrachloroethene	0.00500	0.00464	92.8	72.0-132	
Toluene	0.00500	0.00452	90.4	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00535	107	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00472	94.4	80.0-120	
Trichloroethene	0.00500	0.00509	102	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00475	95.0	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00497	99.4	76.0-122	
Vinyl chloride	0.00500	0.00497	99.4	67.0-131	
Xylenes, Total	0.0150	0.0141	94.0	79.0-123	
o-Xylene	0.00500	0.00464	92.8	80.0-122	
m&p-Xylenes	0.0100	0.00949	94.9	80.0-122	
(S) Toluene-d8			*98.3*	*80.0-120*	
(S) 4-Bromofluorobenzene			*93.0*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*111*	*70.0-130*	

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3543250-3 06/25/20 15:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3543250-3 06/25/20 15:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*

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

(LCS) R3543250-1 06/25/20 14:34 • (LCSD) R3543250-2 06/25/20 14:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0257	0.0264	103	106	19.0-160			2.69	27
Benzene	0.00500	0.00450	0.00445	90.0	89.0	70.0-123			1.12	20
Bromodichloromethane	0.00500	0.00469	0.00459	93.8	91.8	75.0-120			2.16	20
Bromoform	0.00500	0.00499	0.00486	99.8	97.2	68.0-132			2.64	20
Bromomethane	0.00500	0.00536	0.00530	107	106	10.0-160			1.13	25
n-Butylbenzene	0.00500	0.00379	0.00378	75.8	75.6	73.0-125			0.264	20
sec-Butylbenzene	0.00500	0.00407	0.00398	81.4	79.6	75.0-125			2.24	20
Carbon disulfide	0.00500	0.00404	0.00387	80.8	77.4	61.0-128			4.30	20
Carbon tetrachloride	0.00500	0.00496	0.00452	99.2	90.4	68.0-126			9.28	20
Chlorobenzene	0.00500	0.00526	0.00506	105	101	80.0-121			3.88	20
Chlorodibromomethane	0.00500	0.00544	0.00529	109	106	77.0-125			2.80	20
Chloroethane	0.00500	0.00484	0.00469	96.8	93.8	47.0-150			3.15	20
Chloroform	0.00500	0.00439	0.00431	87.8	86.2	73.0-120			1.84	20
Chloromethane	0.00500	0.00449	0.00439	89.8	87.8	41.0-142			2.25	20
1,2-Dibromoethane	0.00500	0.00537	0.00516	107	103	80.0-122			3.99	20
1,1-Dichloroethane	0.00500	0.00482	0.00461	96.4	92.2	70.0-126			4.45	20
1,2-Dichloroethane	0.00500	0.00501	0.00480	100	96.0	70.0-128			4.28	20
1,1-Dichloroethene	0.00500	0.00478	0.00465	95.6	93.0	71.0-124			2.76	20
cis-1,2-Dichloroethene	0.00500	0.00501	0.00499	100	99.8	73.0-120			0.400	20
trans-1,2-Dichloroethene	0.00500	0.00478	0.00468	95.6	93.6	73.0-120			2.11	20
1,2-Dichloropropane	0.00500	0.00476	0.00469	95.2	93.8	77.0-125			1.48	20
cis-1,3-Dichloropropene	0.00500	0.00447	0.00438	89.4	87.6	80.0-123			2.03	20
trans-1,3-Dichloropropene	0.00500	0.00453	0.00434	90.6	86.8	78.0-124			4.28	20

Received by OCD: 11/22/2022 9:46:04 AM

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

(LCS) R3543250-1 06/25/20 14:34 • (LCSD) R3543250-2 06/25/20 14:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.00500	0.00491	0.00463	98.2	92.6	79.0-123			5.87	20
2-Hexanone	0.0250	0.0222	0.0215	88.8	86.0	67.0-149			3.20	20
Isopropylbenzene	0.00500	0.00458	0.00446	91.6	89.2	76.0-127			2.65	20
p-Isopropyltoluene	0.00500	0.00421	0.00427	84.2	85.4	76.0-125			1.42	20
2-Butanone (MEK)	0.0250	0.0229	0.0239	91.6	95.6	44.0-160			4.27	20
Methylene Chloride	0.00500	0.00400	0.00369	80.0	73.8	67.0-120			8.06	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0247	0.0244	98.8	97.6	68.0-142			1.22	20
Methyl tert-butyl ether	0.00500	0.00340	0.00364	68.0	72.8	68.0-125			6.82	20
Naphthalene	0.00500	0.00414	0.00416	82.8	83.2	54.0-135			0.482	20
n-Propylbenzene	0.00500	0.00399	0.00391	79.8	78.2	77.0-124			2.03	20
Styrene	0.00500	0.00471	0.00449	94.2	89.8	73.0-130			4.78	20
1,1,1,2-Tetrachloroethane	0.00500	0.00555	0.00521	111	104	75.0-125			6.32	20
1,1,2,2-Tetrachloroethane	0.00500	0.00418	0.00420	83.6	84.0	65.0-130			0.477	20
Tetrachloroethene	0.00500	0.00549	0.00519	110	104	72.0-132			5.62	20
Toluene	0.00500	0.00461	0.00453	92.2	90.6	79.0-120			1.75	20
1,1,1-Trichloroethane	0.00500	0.00456	0.00461	91.2	92.2	73.0-124			1.09	20
1,1,2-Trichloroethane	0.00500	0.00513	0.00509	103	102	80.0-120			0.783	20
Trichloroethene	0.00500	0.00550	0.00515	110	103	78.0-124			6.57	20
1,2,4-Trimethylbenzene	0.00500	0.00401	0.00386	80.2	77.2	76.0-121			3.81	20
1,3,5-Trimethylbenzene	0.00500	0.00403	0.00395	80.6	79.0	76.0-122			2.01	20
Vinyl chloride	0.00500	0.00480	0.00459	96.0	91.8	67.0-131			4.47	20
Xylenes, Total	0.0150	0.0147	0.0144	98.0	96.0	79.0-123			2.06	20
o-Xylene	0.00500	0.00475	0.00458	95.0	91.6	80.0-122			3.64	20
m&p-Xylenes	0.0100	0.00996	0.00980	99.6	98.0	80.0-122			1.62	20
(S) Toluene-d8				*106*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*106*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*95.4*	*94.3*	*70.0-130*				

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3540840-1 06/19/20 15:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*146*			*31.0-160*

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

(LCS) R3540840-2 06/19/20 16:20 • (LCSD) R3540840-3 06/19/20 16:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.60	1.49	107	99.3	50.0-150			7.12	20
(S) o-Terphenyl				*109*	*100*	*31.0-160*				

Method Blank (MB)

(MB) R3541749-1 06/22/20 23:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*87.5*			*31.0-160*

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

(LCS) R3541749-2 06/23/20 00:06 • (LCSD) R3541749-3 06/23/20 00:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.55	1.53	103	102	50.0-150			1.30	20
(S) o-Terphenyl				*105*	*103*	*31.0-160*				

Method Blank (MB)

(MB) R3542360-1 06/24/20 01:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*89.5*			*31.0-160*

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

(LCS) R3542360-2 06/24/20 02:16 • (LCSD) R3542360-3 06/24/20 02:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.69	1.69	113	113	50.0-150			0.000	20
(S) o-Terphenyl				*105*	*103*	*31.0-160*				

Method Blank (MB)

(MB) R3543172-1 06/25/20 14:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*76.5*			*31.0-160*

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

(LCS) R3543172-2 06/25/20 15:00 • (LCSD) R3543172-3 06/25/20 15:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.70	1.69	113	113	50.0-150			0.590	20
(S) o-Terphenyl				*103*	*105*	*31.0-160*				

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3542249-2 06/23/20 14:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Acetophenone	U		0.000208	0.0100
Anthracene	U		0.0000804	0.00100
Atrazine	U		0.000255	0.0100
Benzaldehyde	U		0.00169	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.000200
Biphenyl	U		0.000790	0.0100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
Caprolactam	U		0.000309	0.0100
Carbazole	U		0.000111	0.0100
4-Chloroaniline	U		0.000234	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.000200
Dibenzofuran	U		0.0000970	0.0100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
1-Methylnaphthalene	U		0.0000790	0.00100
2-Methylnaphthalene	U		0.000117	0.00100
Naphthalene	0.000349	J	0.000159	0.00100
2-Nitroaniline	U		0.000102	0.0100
3-Nitroaniline	U		0.0000869	0.0100

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3542249-2 06/23/20 14:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
4-Nitroaniline	U		0.0000910	0.0100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2-Methylphenol	U		0.0000929	0.0100
3&4-Methyl Phenol	U		0.000168	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,5-Trichlorophenol	U		0.000109	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) Nitrobenzene-d5	*65.6*			*10.0-127*
(S) 2-Fluorobiphenyl	*75.5*			*10.0-130*
(S) p-Terphenyl-d14	*85.2*			*10.0-128*
(S) Phenol-d5	*29.0*			*10.0-120*
(S) 2-Fluorophenol	*44.9*			*10.0-120*
(S) 2,4,6-Tribromophenol	*83.5*			*10.0-155*

Laboratory Control Sample (LCS)

(LCS) R3542249-1 06/23/20 13:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0500	0.0386	77.2	41.0-120	
Acenaphthylene	0.0500	0.0429	85.8	43.0-120	
Acetophenone	0.0500	0.0394	78.8	29.0-120	
Anthracene	0.0500	0.0423	84.6	45.0-120	
Atrazine	0.0500	0.0424	84.8	39.0-141	
Benzaldehyde	0.0500	0.104	208	10.0-160	J4
Benzo(a)anthracene	0.0500	0.0435	87.0	47.0-120	
Benzo(b)fluoranthene	0.0500	0.0436	87.2	46.0-120	
Benzo(k)fluoranthene	0.0500	0.0420	84.0	46.0-120	
Benzo(g,h,i)perylene	0.0500	0.0411	82.2	48.0-121	
Benzo(a)pyrene	0.0500	0.0449	89.8	47.0-120	
Biphenyl	0.0500	0.0418	83.6	38.0-120	
Bis(2-chlorethoxy)methane	0.0500	0.0340	68.0	33.0-120	
Bis(2-chloroethyl)ether	0.0500	0.0357	71.4	23.0-120	
2,2-Oxybis(1-Chloropropane)	0.0500	0.0350	70.0	28.0-120	
4-Bromophenyl-phenylether	0.0500	0.0457	91.4	45.0-120	
Caprolactam	0.0500	0.00991	19.8	10.0-120	
Carbazole	0.0500	0.0415	83.0	51.0-122	
4-Chloroaniline	0.0500	0.0260	52.0	25.0-120	
2-Chloronaphthalene	0.0500	0.0394	78.8	37.0-120	
4-Chlorophenyl-phenylether	0.0500	0.0423	84.6	44.0-120	
Chrysene	0.0500	0.0401	80.2	48.0-120	
Dibenz(a,h)anthracene	0.0500	0.0391	78.2	47.0-120	
Dibenzofuran	0.0500	0.0414	82.8	44.0-120	
3,3-Dichlorobenzidine	0.100	0.0888	88.8	44.0-120	
2,4-Dinitrotoluene	0.0500	0.0415	83.0	49.0-124	
2,6-Dinitrotoluene	0.0500	0.0411	82.2	46.0-120	
Fluoranthene	0.0500	0.0414	82.8	51.0-120	
Fluorene	0.0500	0.0394	78.8	47.0-120	
Hexachlorobenzene	0.0500	0.0442	88.4	44.0-120	
Hexachloro-1,3-butadiene	0.0500	0.0361	72.2	19.0-120	
Hexachlorocyclopentadiene	0.0500	0.0386	77.2	15.0-120	
Hexachloroethane	0.0500	0.0340	68.0	15.0-120	
Indeno(1,2,3-cd)pyrene	0.0500	0.0422	84.4	49.0-122	
Isophorone	0.0500	0.0336	67.2	36.0-120	
1-Methylnaphthalene	0.0500	0.0324	64.8	33.0-120	
2-Methylnaphthalene	0.0500	0.0321	64.2	33.0-120	
Naphthalene	0.0500	0.0337	67.4	27.0-120	
2-Nitroaniline	0.0500	0.0417	83.4	43.0-120	
3-Nitroaniline	0.0500	0.0359	71.8	38.0-120	

Laboratory Control Sample (LCS)

(LCS) R3542249-1 06/23/20 13:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Nitroaniline	0.0500	0.0381	76.2	18.0-160	
Nitrobenzene	0.0500	0.0317	63.4	27.0-120	
n-Nitrosodiphenylamine	0.0500	0.0420	84.0	47.0-120	
n-Nitrosodi-n-propylamine	0.0500	0.0353	70.6	31.0-120	
Phenanthrene	0.0500	0.0443	88.6	46.0-120	
Benzylbutyl phthalate	0.0500	0.0456	91.2	43.0-121	
Bis(2-ethylhexyl)phthalate	0.0500	0.0462	92.4	43.0-122	
Di-n-butyl phthalate	0.0500	0.0443	88.6	49.0-121	
Diethyl phthalate	0.0500	0.0409	81.8	48.0-122	
Dimethyl phthalate	0.0500	0.0411	82.2	48.0-120	
Di-n-octyl phthalate	0.0500	0.0417	83.4	42.0-125	
Pyrene	0.0500	0.0432	86.4	47.0-120	
1,2,4-Trichlorobenzene	0.0500	0.0333	66.6	24.0-120	
4-Chloro-3-methylphenol	0.0500	0.0331	66.2	40.0-120	
2-Chlorophenol	0.0500	0.0333	66.6	25.0-120	
2-Methylphenol	0.0500	0.0345	69.0	28.0-120	
3&4-Methyl Phenol	0.0500	0.0330	66.0	31.0-120	
2,4-Dichlorophenol	0.0500	0.0346	69.2	36.0-120	
2,4-Dimethylphenol	0.0500	0.0352	70.4	33.0-120	
4,6-Dinitro-2-methylphenol	0.0500	0.0406	81.2	38.0-138	
2,4-Dinitrophenol	0.0500	0.0389	77.8	10.0-120	
2-Nitrophenol	0.0500	0.0342	68.4	31.0-120	
4-Nitrophenol	0.0500	0.0172	34.4	10.0-120	
Pentachlorophenol	0.0500	0.0408	81.6	23.0-120	
Phenol	0.0500	0.0144	28.8	10.0-120	
2,4,5-Trichlorophenol	0.0500	0.0441	88.2	44.0-120	
2,4,6-Trichlorophenol	0.0500	0.0404	80.8	42.0-120	
(S) Nitrobenzene-d5			*61.7*	*10.0-127*	
(S) 2-Fluorobiphenyl			*83.1*	*10.0-130*	
(S) p-Terphenyl-d14			*89.0*	*10.0-128*	
(S) Phenol-d5			*29.5*	*10.0-120*	
(S) 2-Fluorophenol			*46.5*	*10.0-120*	
(S) 2,4,6-Tribromophenol			*98.5*	*10.0-155*	

L1231742-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231742-06 06/23/20 15:09 • (MS) R3542249-3 06/23/20 15:31 • (MSD) R3542249-4 06/23/20 15:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0455	0.000375	0.0345	0.0324	75.0	70.4	1	28.0-120			6.28	25
Acenaphthylene	0.0455	U	0.0374	0.0351	82.2	77.1	1	31.0-121			6.34	25
Acetophenone	0.0455	U	0.0354	0.0331	77.8	72.7	1	20.0-120			6.72	35
Anthracene	0.0455	U	0.0381	0.0351	83.7	77.1	1	36.0-120			8.20	23
Atrazine	0.0455	U	0.0398	0.0361	87.5	79.3	1	39.0-130			9.75	23
Benzaldehyde	0.0455	U	0.0947	0.0907	208	199	1	10.0-160	J5	J5	4.31	40
Benzo(a)anthracene	0.0455	U	0.0400	0.0368	87.9	80.9	1	39.0-120			8.33	23
Benzo(b)fluoranthene	0.0455	U	0.0404	0.0370	88.8	81.3	1	37.0-120			8.79	23
Benzo(k)fluoranthene	0.0455	U	0.0378	0.0352	83.1	77.4	1	37.0-120			7.12	26
Benzo(g,h,i)perylene	0.0455	U	0.0371	0.0342	81.5	75.2	1	37.0-123			8.13	25
Benzo(a)pyrene	0.0455	U	0.0410	0.0376	90.1	82.6	1	37.0-120			8.65	24
Biphenyl	0.0455	U	0.0364	0.0347	80.0	76.3	1	29.0-120			4.78	33
Bis(2-chlorethoxy)methane	0.0455	U	0.0308	0.0297	67.7	65.3	1	17.0-120			3.64	31
Bis(2-chloroethyl)ether	0.0455	U	0.0320	0.0302	70.3	66.4	1	14.0-120			5.79	33
2,2-Oxybis(1-Chloropropane)	0.0455	U	0.0315	0.0297	69.2	65.3	1	18.0-120			5.88	34
4-Bromophenyl-phenylether	0.0455	U	0.0415	0.0383	91.2	84.2	1	37.0-120			8.02	24
Caprolactam	0.0455	U	0.00596	0.00537	13.1	11.8	1	10.0-120			10.4	40
Carbazole	0.0455	0.00503	0.0432	0.0394	83.9	75.5	1	38.0-127			9.20	21
4-Chloroaniline	0.0455	U	0.00150	0.00151	3.30	3.32	1	10.0-120	J6	J6	0.664	31
2-Chloronaphthalene	0.0455	U	0.0333	0.0322	73.2	70.8	1	29.0-120			3.36	28
4-Chlorophenyl-phenylether	0.0455	U	0.0378	0.0347	83.1	76.3	1	36.0-120			8.55	23
Chrysene	0.0455	U	0.0365	0.0336	80.2	73.8	1	38.0-120			8.27	23
Dibenz(a,h)anthracene	0.0455	U	0.0351	0.0323	77.1	71.0	1	36.0-121			8.31	24
Dibenzofuran	0.0455	0.00164	0.0381	0.0354	80.1	74.2	1	32.0-120			7.35	26
3,3-Dichlorobenzidine	0.0910	U	0.0803	0.0748	88.2	82.2	1	10.0-134			7.09	30
2,4-Dinitrotoluene	0.0455	U	0.0382	0.0349	84.0	76.7	1	39.0-125			9.03	25
2,6-Dinitrotoluene	0.0455	U	0.0372	0.0347	81.8	76.3	1	36.0-120			6.95	27
Fluoranthene	0.0455	U	0.0376	0.0343	82.6	75.4	1	41.0-121			9.18	22
Fluorene	0.0455	0.00317	0.0391	0.0356	79.0	71.3	1	37.0-120			9.37	24
Hexachlorobenzene	0.0455	U	0.0399	0.0371	87.7	81.5	1	35.0-122			7.27	24
Hexachloro-1,3-butadiene	0.0455	U	0.0288	0.0264	63.3	58.0	1	12.0-120			8.70	34
Hexachlorocyclopentadiene	0.0455	U	0.0324	0.0316	71.2	69.5	1	10.0-120			2.50	33
Hexachloroethane	0.0455	U	0.0274	0.0240	60.2	52.7	1	10.0-120			13.2	40
Indeno(1,2,3-cd)pyrene	0.0455	U	0.0383	0.0353	84.2	77.6	1	38.0-125			8.15	24
Isophorone	0.0455	U	0.0306	0.0290	67.3	63.7	1	21.0-120			5.37	27
1-Methylnaphthalene	0.0455	0.000117	0.0287	0.0267	62.8	58.4	1	11.0-120			7.22	27
2-Methylnaphthalene	0.0455	0.000991	0.0292	0.0271	62.0	57.4	1	17.0-120			7.46	28
Naphthalene	0.0455	0.00481	0.0328	0.0306	61.5	56.7	1	10.0-120			6.94	31
2-Nitroaniline	0.0455	U	0.0375	0.0359	82.4	78.9	1	33.0-120			4.36	27
3-Nitroaniline	0.0455	U	0.0196	0.0185	43.1	40.7	1	20.0-120			5.77	27

L1231742-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231742-06 06/23/20 15:09 • (MS) R3542249-3 06/23/20 15:31 • (MSD) R3542249-4 06/23/20 15:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Nitroaniline	0.0455	U	0.0345	0.0308	75.8	67.7	1	10.0-160			11.3	26
Nitrobenzene	0.0455	U	0.0284	0.0277	62.4	60.9	1	12.0-120			2.50	30
n-Nitrosodiphenylamine	0.0455	U	0.0378	0.0355	83.1	78.0	1	37.0-120			6.28	24
n-Nitrosodi-n-propylamine	0.0455	U	0.0325	0.0301	71.4	66.2	1	16.0-120			7.67	30
Phenanthrene	0.0455	0.000628	0.0411	0.0378	88.9	81.7	1	33.0-120			8.37	22
Benzylbutyl phthalate	0.0455	U	0.0411	0.0383	90.3	84.2	1	34.0-126			7.05	24
Bis(2-ethylhexyl)phthalate	0.0455	U	0.0422	0.0388	92.7	85.3	1	33.0-126			8.40	25
Di-n-butyl phthalate	0.0455	U	0.0402	0.0367	88.4	80.7	1	35.0-128			9.10	23
Diethyl phthalate	0.0455	U	0.0371	0.0335	81.5	73.6	1	39.0-125			10.2	24
Dimethyl phthalate	0.0455	U	0.0373	0.0342	82.0	75.2	1	37.0-120			8.67	24
Di-n-octyl phthalate	0.0455	U	0.0383	0.0350	84.2	76.9	1	25.0-135			9.00	26
Pyrene	0.0455	U	0.0392	0.0364	86.2	80.0	1	39.0-120			7.41	22
1,2,4-Trichlorobenzene	0.0455	U	0.0280	0.0261	61.5	57.4	1	15.0-120			7.02	31
4-Chloro-3-methylphenol	0.0455	U	0.0309	0.0294	67.9	64.6	1	26.0-120			4.98	27
2-Chlorophenol	0.0455	U	0.0299	0.0283	65.7	62.2	1	18.0-120			5.50	34
2-Methylphenol	0.0455	U	0.0304	0.0295	66.8	64.8	1	10.0-120			3.01	30
3&4-Methyl Phenol	0.0455	U	0.0297	0.0287	65.3	63.1	1	10.0-120			3.42	36
2,4-Dichlorophenol	0.0455	U	0.0312	0.0304	68.6	66.8	1	19.0-120			2.60	27
2,4-Dimethylphenol	0.0455	U	0.0324	0.0318	71.2	69.9	1	15.0-120			1.87	28
4,6-Dinitro-2-methylphenol	0.0455	U	0.0371	0.0341	81.5	74.9	1	10.0-144			8.43	39
2,4-Dinitrophenol	0.0455	U	0.0354	0.0335	77.8	73.6	1	10.0-120			5.52	40
2-Nitrophenol	0.0455	U	0.0305	0.0297	67.0	65.3	1	20.0-120			2.66	30
4-Nitrophenol	0.0455	U	0.0158	0.0147	34.7	32.3	1	10.0-120			7.21	40
Pentachlorophenol	0.0455	U	0.0380	0.0353	83.5	77.6	1	10.0-128			7.37	37
Phenol	0.0455	U	0.0152	0.0130	33.4	28.6	1	10.0-120			15.6	40
2,4,5-Trichlorophenol	0.0455	U	0.0390	0.0373	85.7	82.0	1	33.0-120			4.46	31
2,4,6-Trichlorophenol	0.0455	U	0.0351	0.0340	77.1	74.7	1	26.0-120			3.18	31
(S) Nitrobenzene-d5					*60.5*	*57.9*		*10.0-127*				
(S) 2-Fluorobiphenyl					*76.3*	*75.4*		*10.0-130*				
(S) p-Terphenyl-d14					*88.8*	*82.4*		*10.0-128*				
(S) Phenol-d5					*27.9*	*28.0*		*10.0-120*				
(S) 2-Fluorophenol					*44.0*	*43.8*		*10.0-120*				
(S) 2,4,6-Tribromophenol					*94.5*	*91.2*		*10.0-155*				

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.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* 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 National.

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		

Pace Analytical National 1313 Point Mallard Parkway SE Suite B Decatur, AL, 35601

Alabama	40160
ANSI National Accreditation Board	L2239

Pace Analytical National 660 Bercut Dr. Ste. C Sacramento, CA, 95811

California	2961	Oregon	CA300002
Minnesota	006-999-465	Washington	C926
North Dakota	R-214		

Pace Analytical National 6000 South Eastern Avenue Ste 9A Las Vegas, NV, 89119

Nevada	NV009412021-1

Pace Analytical National 1606 E. Brazos Street Suite D Victoria, TX, 77901

Texas	T104704328-20-18

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

DAY 1

TRC Solutions - Austin, TX **505 E. Huntland Dr, Ste 250** **Austin, TX 78752**	Billing Information: **Accounts Payable** **21 Griffin Road North** **Windsor, CT 06095** **apinvoiceapproval@trcsolutions.com**
Report to: **Julie Speer**	Email To: **jspeer@trccompanies.com**
Project Description: **REST Spring 2020**	City/State Collected: **Artesia, NM**
Phone: **512-684-3170** Fax:	Client Project #: **330538.0000.0000**
Collected by (print): **Scott Ude/HMI Team**	Site/Facility ID #: **REST (Navajo - Artesia)**
Collected by (signature): Scott Ude 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
	Lab Project #: **TRCATX-REST** P.O. #: **150726** Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
RW-#15C	Grab	GW				8	X	X		X	X	X						
MW-48	Grab	GW				10	X	X	X	X	X	X						
MW-130	Grab	GW				10	X	X	X	X	X	X						
KWB-4	Grab	GW				8	X	X		X	X	X						
RW-19	Grab	GW				8	X	X		X	X	X						
MW-52	Grab	GW				11	X	X	X		X	X	X	X				
MW-109	Grab	GW				10	X	X	X	X	X	X						
MW-110	Grab	GW				10	X	X	X	X	X	X						
RW-12R	Grab	GW				8	X	X		X	X	X						
RW-113	Grab	GW				10	X	X	X	X	X	X						

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

Remarks:
Dissolved metals field-filtered.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx ✓ Courier __ _____

Tracking # attached

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	6/17/20	0800	
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

Temp 1.0 °C Bottles Received:

Date: 6/18/20 Time: 0845

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

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 1 of 13

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1230685

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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

Chain of Custody Page 2 of 13

Pace Analytical®
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L# 173635

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
KWB-8	Grab	GW				9	X	X			X	X	X	X				
RW-22	Grab	GW				8	X	X		X	X	X						
RW-20A	Grab	GW				8	X	X		X	X	X						
RW-20B	Grab	GW				8	X	X		X	X	X						
RW-13R	Grab	GW				8	X	X		X	X	X						
RW-14R	Grab	GW				8	X	X		X	X	X						
MW-133	Grab	GW				10	X	X	X	X	X	X						
MW-134	Grab	GW				10	X	X	X	X	X	X						
RA-4798	Grab	GW				5	X				X	X						
RA-4196	Grab	GW				5	X				X	X						

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	6/17/20	0800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.0-2.8 °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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 3 of 13

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1230695

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
RA-3156	Grab	GW				5	X				X	X						
RA-313	Grab	GW				5	X				X	X						
KWB-7	Grab	GW				9	X	X			X	X	X	X				01
MW-135	Grab	GW				10	X	X	X	X	X	X						02
KWB-11A	Grab	GW				11	X	X	X		X	X	X	X				12
KWB-11B	Grab	GW				11	X	X	X		X	X	X	X				03
MW-115	Grab	GW		6/16/20	920	10	X	X	X	X	X	X						04
MW-114	Grab	GW		6/16/20	1020	10	X	X	X	X	X	X						05
MW-117	Grab	GW		6/16/20	1115	10	X	X	X	X	X	X						06
MW-118	Grab	SS		6/16/20	1020	10	X	X	X	X	X	X						07

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	6/17/20	0800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.3 °C Bottles Received: 1.0-.2=.8	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845	Hold: / Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

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___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 4 of 13

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1270635

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-119	Grab	GW		6/16/20	945	10	X	X	X	X	X	X						09
MW-136	Grab	GW				11	X	X	X		X	X	X	X				
MW-126A	Grab	GW		6/16/20	1505	10	X	X	X	X	X	X						05
MW-126B	Grab	GW		6/16/20	1425	10	X	X	X	X	X	X						10
MW-127	Grab	GW				10	X	X	X	X	X	X						
MW-129	Grab	GW				10	X	X	X	X	X	X						
RW-#18A	Grab	GW		6/16/20	950	6	X			X	X	X						11
KWB-1A	Grab	GW				9	X	X			X	X	X	X				
KWB-10R	Grab	GW				8	X	X		X	X	X						
MW-131	Grab	GW		6/16/20	1320	10	X	X	X	X	X	X						11

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	6/17/20	0800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: NR 3 °C Bottles Received 1.0-27-8	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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___ Same Day ___ Five Day
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___ Two Day ___ 10 Day (Rad Only)
___ Three Day

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Analysis / Container / Preservative

Chain of Custody Page 5 of 13

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123068

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
KWB-5	Grab	GW				8	X	X		X	X	X						
MW-111	Grab	GW				10	X	X	X	X	X	X						
KWB-6	Grab	GW				11	X	X		X	X	X				X		
MW-112	Grab	GW				10	X	X	X	X	X	X						
MW-132	Grab	GW				10	X	X	X	X	X	X						
MW-57	Grab	GW		6/16/20	1525	10	X	X	X	X	X	X						12
RW-#11-0	Grab	GW				8	X	X		X	X	X						
KWB-12A	Grab	GW		6/16/20	1305	11	X	X	X		X	X	X	X				13
KWB-12B	Grab	GW		6/16/20	1355	11	X	X	X		X	X	X	X				14
KWB-2R	Grab	GW		~~6/16/20~~ SLW		8	X	X		X	X	X						

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	6/17/20	0800		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.3 °C Bottles Received: 6-25-18
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 6 of 13

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123065

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-58	Grab	GW				9	X	X			X	X	X	X				
KWB-13	Grab	GW		6/16/20	1755	9	X	X			X	X	X	X				15
MW-103	Grab	GW		6/16/20	1310	10	X	X	X	X	X	X						16
MW-104	Grab	GW		6/16/20	1415	10	X	X	X	X	X	X						17
MW-64	Grab	GW		6/16/20	1530	10	X	X	X	X	X	X						18
MW-65	Grab	GW				10	X	X	X	X	X	X						
RW-5R	Grab	GW				8	X	X		X	X	X						
MW-102	Grab	GW		6/16/20	1650	10	X	X	X	X	X	X						19
RW-4	Grab	GW				8	X	X		X	X	X						
RW-6	Grab	GW				8	X	X		X	X	X						

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	6/17/20	0800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp 1.0-2.8 °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

Immediately Packed on Ice N ___ Y V

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

Chain of Custody Page 7 of 13

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 730685

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-99	Grab	GW				10	X	X	X	X	X	X						
MW-66	Grab	GW				11	X	X	X		X	X	X	X				
MW-28	Grab	GW				11	X	X	X		X	X	X	X				
MW-59	Grab	GW				10	X	X	X	X	X	X						
MW-60	Grab	GW				11	X	X	X		X	X	X	X				
MW-107	Grab	GW				10	X	X	X	X	X	X						
MW-128	Grab	GW				10	X	X	X	X	X	X						
MW-125	Grab	GW		6/16/20	1055	10	X	X	X	X	X	X						20
MW-116	Grab	GW		6/16/20	1115	10	X	X	X	X	X	X						
UG-3R	Grab	GW		6/15/20	1630	11	X	X	X		X	X	X	X				2224

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR	If preservation required by Login: Date/Time
Scott Ude	6/17/20	0800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: IR#3 °C 1.0-.2=.8 Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
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Email To: **jspeer@trccompanies.com**

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City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
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___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 8 of 13

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Acctnum: TRCATX
Template: T133463
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PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
							<2	<2	<2	<2	>12							
UG-4	Grab	GW		6/15/20	1720	11	X	X	X		X	X	X	X				23
UG-1	Grab	GW		6/15/20	1810	11	X	X	X		X	X	X	X				24
UG-2	Grab	GW		6/15/20	1910	11	X	X	X		X	X	X	X				25
MW-101	Grab	GW		6/16/20	1505	10	X	X	X	X	X	X						26
MW-105	Grab	GW				10	X	X	X	X	X	X						
RW-2	Grab	GW				12	X	X	X	X	X	X			X			
MW-61	Grab	GW				10	X	X	X	X	X	X						
MW-62	Grab	GW				10	X	X	X	X	X	X						
MW-93	Grab	GW				12	X	X	X	X	X	X			X			
MW-43	Grab	GW				11	X	X	X		X	X	X	X				

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

Remarks:
Dissolved metals field-filtered.

pH _____ Temp _____
Flow _____ Other _____

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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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	6/17/20	0800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.0-.2=.8 °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845	Hold: Condition: NCF / OK

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Fax:

Client Project # **330538.0000.0000**

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Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

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Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
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___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 9 of 13

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L# 1230695

Table #

Acctnum: TRCATX

Template: T133463

Prelogin: P763304

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-137	Grab	GW				13	X	X	X		X	X	X	X	X			
MW-138	Grab	GW				13	X	X	X		X	X	X	X	X			
MW-23	Grab	GW				10	X	X	X	X	X	X						
MW-39	Grab	GW		6/16/20	1135	10	X	X	X	X	X	X						27
MW-98	Grab	GW		6/16/20	1355	10	X	X	X	X	X	X						28
RW-10	Grab	GW		6/16/20	925	10	X	X	X	X	X	X						29
MW-40	Grab	GW		6/16/20	925	10	X	X	X	X	X	X						30
MW-41	Grab	GW		6/16/20	1040	10	X	X	X	X	X	X						31
RW-9	Grab	GW		6/16/20	1235	10	X	X	X	X	X	X						32
MW-42	Grab	GW				10	X	X	X	X	X	X						

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	6/17/20	0800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: IMP#3 °C 10-.2=.8 Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845	Hold: Condition: (NCF) / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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 10 of 13

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1230685

Table #

Acctnum: TRCATX

Template: T133463

Prelogin: P763304

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-29	Grab	GW		6/16/20	1020	10	X	X	X	X	X	X						33
RW-#16B	Grab	GW		6/16/20	940	8	X	X		X	X	X						34
MW-106	Grab	GW		6/16/20	1625	10	X	X	X	X	X	X						35
MW-139	Grab	GW		6/16/20	1145	10	X	X	X	X	X	X						36
MW-50	Grab	GW		6/16/20	1235	8	X	X		X	X	X						37
MW-97	Grab	GW				12	X	X	X	X	X	X			X			
MW-92	Grab	GW				10	X	X	X	X	X	X						
RW-1	Grab	GW				10	X	X	X	X	X	X						
MW-91	Grab	GW		6/16/20	1400	10	X	X	X	X	X	X						38
MW-90	Grab	GW		6/16/20	1445	10	X	X	X	X	X	X						39

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

Remarks:
Dissolved metals field-filtered.

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
PAD SCREEN: <0.5 mR/hr

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	6/17/20	0800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.4 1.0 °C Bottles Received: 1.0-2=.8	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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 11 of 13

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1230685

Table #

Acctnum: TRCATX

Template: T133463

Prelogin: P763304

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-96	Grab	GW		6/16/20	1530	10	X	X	X	X	X	X						40
MW-94	Grab	GW				10	X	X	X	X	X	X						
RW-8	Grab	GW				8	X	X		X	X	X						
MW-67	Grab	GW				13	X	X	X		X	X	X	X	X			
MW-95	Grab	GW		6/16/20	1645	10	X	X	X	X	X	X						41
RW-7	Grab	GW				10	X	X	X	X	X	X						
RW-#17A	Grab	GW				10	X	X	X	X	X	X						
DUP-REST-01	Grab	GW				10	X	X	X	X	X	X						
DUP-REST-02	Grab	GW		6/16/20	1425	10	X	X	X	X	X	X						42
DUP-REST-03	Grab	GW				10	X	X	X	X	X	X						

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	6/17/20	0800		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: IR#3 °C 1.0-0=8 Bottles Received
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845
				Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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 12 of 13

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 730686

Table #

Acctnum: TRCATX

Template: T133463

Prelogin: P763304

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
DUP-REST-04	Grab	GW				11	X	X	X		X	X	X	X				
DUP-REST-05	Grab	GW		6/16/20	1200	11	X	X	X		X	X	X	X				43
EB-REST-01	Grab	GW				10	X	X	X	X	X	X						
EB-REST-02	Grab	GW		6/16/20	1435	10	X	X	X	X	X	X						44
EB-REST-03	Grab	GW				10	X	X	X	X	X	X						
EB-REST-04	Grab	GW				11	X	X	X		X	X	X	X				
EB-REST-05	Grab	GW		6/16/20	1415	11	X	X	X		X	X	X	X				45
TRIP BLANK-REST-01	Grab	GW				1	X											
TRIP BLANK-REST-02	Grab	GW		6/16/20	—	1	X											46
TRIP BLANK-REST-03	Grab	GW		6/16/20	—	1	X											

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	6/17/20	0800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: IVEA3 °C Bottles Received: 1.0-2=8	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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

Chain of Custody Page 13 of 13

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 173085

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
Trip Blank-REST-04	Grab	GW		6/16/20	—	1	X											47
Trip Blank-REST-05	Grab	GW				1	X											

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	6/17/20	0800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp A3°C Bottles Received: 1.0-2-.8	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/18/20 Time: 0845	Hold: Condition: OK / OK

Released to Imaging: 11/22/2022 9:50:00 AM
Received by OCD: 11/22/2022 9:46:04 AM

Tracking #	Corresponding Temp.
4492 6229 7130	1.0 - .2 = 0.8 MP A3
↓ 6230 6815	3.2 ± 0 = 3.2 HM A2
1203 5785 6018	1.8 ± 0 = 1.8 HM A2
1203 5786 0856	1.1 ± 0 = 1.1 HM A2
4492 6230 1310	0.9 ± 0 = 0.9
16635756 9559	1.1 ± 0 = 1.1
4492 6230 6859	0.4 ± 0 = 0.4
8098 2926 7587	1.7 ± 0 = 1.7
↓ ↓ 8790	1.1 ± 0 = 1.1
1203 5785 6030	1.3 ± 0 = 1.3
4492 6230 1331	0.4 ± 0 = 0.4
↓ ↓ 1309	2.3 ± 0 = 2.3
1663 5756 9560	3.0 ± 0 = 3.0
↓ ↓ 9570	0.6 ± 0 = 0.6
4492 6230 1310	0.7 ± 0 = 0.7

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Released to Imaging: 11/22/2022 9:50:00 AM
Received by OCD: 11/22/2022 9:46:04 AM

Matt Shacklock

Pace Analytical®
National Center for Testing & Innovation

Login #:1230685	Client: TRCATX	Date:6/18	Evaluated by:Katie

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time	x	Login Clarification Needed		**If Broken Container:**
	Temperature not in range		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	pH not in range.		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Couri
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments:

1. **Received IDs that don't have dates and times on the chain. They were logged. KWB-11A, KWB-11B, KWB-7**
2. **Didn't receive RW-#18A, Trip blank REST 03 and MW-116**

Client informed by:		Call	x	Email		Voice Mail		Date: 6/19/20	Time:
TSR Initials: CM	Client Contact: Scott Ude								

Login Instructions:

1. **COC received today will have the collect date/time for these samples listed.**
2. **Client is resampling.**

Page 398 of 819

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

February 03, 2021

Revised Report

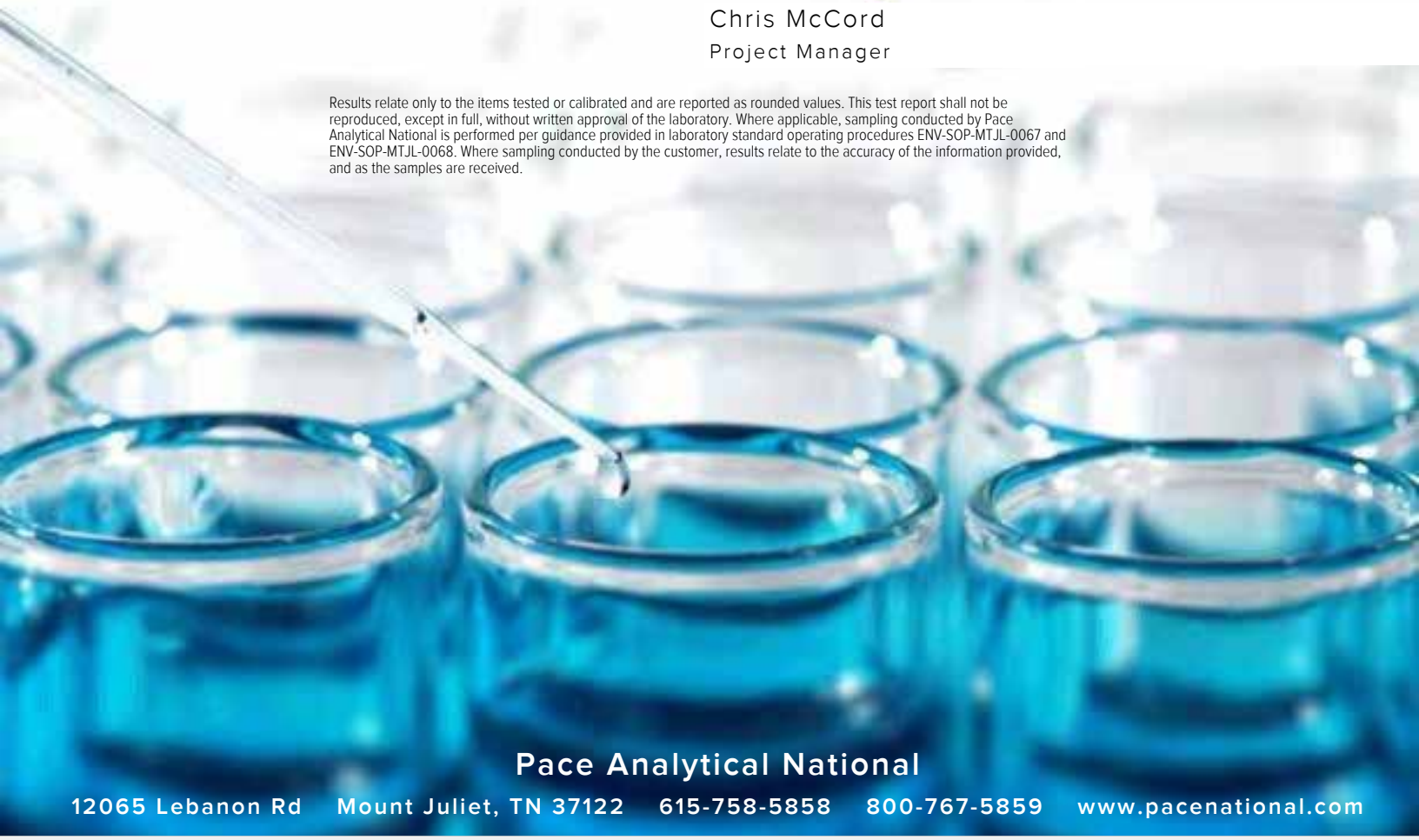
TRC Solutions - Austin, TX

Sample Delivery Group:	L1231128
Samples Received:	06/19/2020
Project Number:	330538.0000.0000
Description:	REST Spring 2020
Site:	REST (NAVAJO-ARTESIA)
Report To:	Julie Speer
	505 E. Huntland Dr, Ste 250
	Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

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



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

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MW-130 L1231128-01 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 14:10
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498641	1	06/27/20 15:41	06/27/20 15:41	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/25/20 21:00	06/25/20 21:00	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	50	06/25/20 21:18	06/25/20 21:18	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498724	1	06/25/20 16:32	06/25/20 21:56	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498748	1	06/26/20 07:58	06/27/20 01:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1498473	1	06/25/20 04:54	06/25/20 04:54	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	1	06/23/20 01:13	06/23/20 01:13	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498558	1	06/25/20 03:39	06/25/20 03:39	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497076	1	06/23/20 16:48	06/27/20 22:15	CAG	Mt. Juliet, TN

MW-52 L1231128-02 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 13:20
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498641	5	06/27/20 15:43	06/27/20 15:43	LEB	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1500401	1	06/27/20 19:06	06/27/20 20:39	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/25/20 21:36	06/25/20 21:36	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	100	06/25/20 21:54	06/25/20 21:54	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1496609	1	06/22/20 19:00	06/23/20 13:01	ABL	Mt. Juliet, TN
Mercury by Method 7470A	WG1496615	1	06/22/20 11:32	06/22/20 17:57	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498718	1	06/25/20 17:46	06/25/20 23:24	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498738	1	06/25/20 16:39	06/25/20 21:43	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498724	1	06/25/20 16:32	06/25/20 21:59	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498748	1	06/26/20 07:58	06/27/20 01:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1498473	1	06/25/20 05:16	06/25/20 05:16	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	1	06/23/20 01:33	06/23/20 01:33	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498558	1	06/25/20 03:58	06/25/20 03:58	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497076	1	06/23/20 16:48	06/27/20 22:41	CAG	Mt. Juliet, TN

MW-109 L1231128-03 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 12:35
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1498641	50	06/27/20 15:44	06/27/20 15:44	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/25/20 22:12	06/25/20 22:12	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	20	06/25/20 22:29	06/25/20 22:29	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498724	1	06/25/20 16:32	06/25/20 22:02	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498748	1	06/26/20 07:58	06/27/20 01:46	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499069	10	06/25/20 22:08	06/25/20 22:08	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	10	06/23/20 01:52	06/23/20 01:52	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498558	10	06/25/20 04:18	06/25/20 04:18	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497076	1	06/23/20 16:48	06/27/20 23:07	CAG	Mt. Juliet, TN

MW-110 L1231128-04 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 11:50
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	1	06/29/20 17:25	06/29/20 17:25	BAM	Mt. Juliet, TN

MW-110 L1231128-04 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 11:50
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1498057	1	06/25/20 22:47	06/25/20 22:47	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	50	06/26/20 00:21	06/26/20 00:21	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498724	1	06/25/20 16:32	06/25/20 22:05	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498748	1	06/26/20 07:58	06/27/20 01:50	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499069	1	06/25/20 22:30	06/25/20 22:30	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	1	06/23/20 02:11	06/23/20 02:11	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498558	1	06/25/20 04:37	06/25/20 04:37	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497076	1	06/23/20 16:48	06/27/20 23:33	CAG	Mt. Juliet, TN

RW-12R L1231128-05 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 15:35
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	1	06/29/20 16:31	06/29/20 16:31	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/26/20 00:57	06/26/20 00:57	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	50	06/26/20 01:15	06/26/20 01:15	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498724	1	06/25/20 16:32	06/25/20 22:09	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498748	1	06/26/20 07:58	06/27/20 01:53	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	1	06/23/20 02:31	06/23/20 02:31	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498558	1	06/25/20 04:56	06/25/20 04:56	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497076	1	06/23/20 16:48	06/27/20 23:58	CAG	Mt. Juliet, TN

MW-113 L1231128-06 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 15:10
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	1	06/29/20 16:32	06/29/20 16:32	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/26/20 01:33	06/26/20 01:33	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	50	06/26/20 01:50	06/26/20 01:50	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498724	1	06/25/20 16:32	06/25/20 22:15	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498748	1	06/26/20 07:58	06/27/20 01:57	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499069	1	06/25/20 22:52	06/25/20 22:52	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	5	06/23/20 02:50	06/23/20 02:50	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498558	5	06/25/20 05:16	06/25/20 05:16	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497076	1	06/23/20 16:48	06/28/20 00:24	CAG	Mt. Juliet, TN

MW-134 L1231128-07 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 13:40
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	1	06/29/20 16:34	06/29/20 16:34	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/26/20 02:08	06/26/20 02:08	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	50	06/26/20 02:26	06/26/20 02:26	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498724	1	06/25/20 16:32	06/25/20 22:18	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 19:45	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1498490	1	06/25/20 07:21	06/25/20 07:21	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	1	06/23/20 03:10	06/23/20 03:10	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498558	1	06/25/20 05:35	06/25/20 05:35	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497076	1	06/23/20 16:48	06/28/20 00:50	CAG	Mt. Juliet, TN

RA-4798 L1231128-08 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/17/20 16:05	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	1	06/29/20 16:41	06/29/20 16:41	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/26/20 02:44	06/26/20 02:44	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	50	06/26/20 03:38	06/26/20 03:38	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 19:59	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	1	06/23/20 03:29	06/23/20 03:29	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498558	1	06/25/20 05:55	06/25/20 05:55	BMB	Mt. Juliet, TN

RA-4196 L1231128-09 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/17/20 15:50	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	1	06/29/20 16:42	06/29/20 16:42	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/26/20 03:56	06/26/20 03:56	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	50	06/26/20 04:14	06/26/20 04:14	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 20:03	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	1	06/23/20 03:48	06/23/20 03:48	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498558	1	06/25/20 06:14	06/25/20 06:14	BMB	Mt. Juliet, TN

RA-3156 L1231128-10 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/17/20 15:20	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	1	06/29/20 16:44	06/29/20 16:44	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/26/20 04:32	06/26/20 04:32	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	10	06/26/20 04:50	06/26/20 04:50	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 20:06	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	1	06/23/20 04:08	06/23/20 04:08	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498558	1	06/25/20 06:34	06/25/20 06:34	BMB	Mt. Juliet, TN

RA-313 L1231128-11 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/17/20 08:55	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	1	06/29/20 16:45	06/29/20 16:45	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/26/20 05:08	06/26/20 05:08	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	20	06/26/20 05:25	06/26/20 05:25	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 20:09	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	1	06/23/20 04:27	06/23/20 04:27	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498717	1	06/25/20 07:23	06/25/20 07:23	JAH	Mt. Juliet, TN

MW-135 L1231128-12 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/17/20 14:20	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	10	06/29/20 16:46	06/29/20 16:46	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/26/20 05:43	06/26/20 05:43	ELN	Mt. Juliet, TN

MW-135 L1231128-12 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 14:20
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1498057	100	06/26/20 06:01	06/26/20 06:01	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498724	1	06/25/20 16:32	06/25/20 22:22	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 20:23	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499077	1	06/25/20 18:36	06/25/20 18:36	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	1	06/23/20 04:47	06/23/20 04:47	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498717	1	06/25/20 07:43	06/25/20 07:43	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497076	1	06/23/20 16:48	06/28/20 01:16	CAG	Mt. Juliet, TN

MW-136 L1231128-13 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 09:15
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	5	06/29/20 16:47	06/29/20 16:47	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1500401	1	06/27/20 19:06	06/27/20 20:42	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/26/20 06:19	06/26/20 06:19	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	100	06/26/20 07:13	06/26/20 07:13	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1496609	1	06/22/20 19:00	06/23/20 13:03	ABL	Mt. Juliet, TN
Mercury by Method 7470A	WG1496615	1	06/22/20 11:32	06/22/20 17:59	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498718	1	06/25/20 17:46	06/25/20 23:28	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498738	1	06/25/20 16:39	06/25/20 21:46	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498724	1	06/25/20 16:32	06/25/20 22:25	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 20:26	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499077	1	06/25/20 18:59	06/25/20 18:59	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	1	06/23/20 05:06	06/23/20 05:06	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498717	1	06/25/20 08:03	06/25/20 08:03	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497076	1	06/23/20 16:48	06/28/20 01:41	CAG	Mt. Juliet, TN

KWB-1A L1231128-14 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 10:00
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	1	06/29/20 16:49	06/29/20 16:49	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1500401	1	06/27/20 19:06	06/27/20 20:44	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/26/20 07:31	06/26/20 07:31	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	100	06/26/20 07:49	06/26/20 07:49	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1496609	1	06/22/20 19:00	06/23/20 13:06	ABL	Mt. Juliet, TN
Mercury by Method 7470A	WG1496615	1	06/22/20 11:32	06/22/20 18:01	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498718	1	06/25/20 17:46	06/25/20 23:31	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498738	1	06/25/20 16:39	06/25/20 21:49	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498724	1	06/25/20 16:32	06/25/20 22:45	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 20:30	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	1	06/23/20 05:25	06/23/20 05:25	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498717	1	06/25/20 08:23	06/25/20 08:23	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497076	1	06/23/20 16:48	06/28/20 02:07	CAG	Mt. Juliet, TN

MW-111 L1231128-15 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 10:45
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	1	06/29/20 16:50	06/29/20 16:50	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/26/20 08:07	06/26/20 08:07	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	10	06/26/20 08:25	06/26/20 08:25	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498724	1	06/25/20 16:32	06/25/20 22:48	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 20:33	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1498490	1	06/25/20 08:29	06/25/20 08:29	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	25	06/23/20 05:45	06/23/20 05:45	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498717	25	06/25/20 08:43	06/25/20 08:43	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497076	1	06/23/20 16:48	06/28/20 02:33	CAG	Mt. Juliet, TN

RW-4 L1231128-16 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 09:15
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	10	06/29/20 16:52	06/29/20 16:52	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/26/20 08:43	06/26/20 08:43	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	10	06/26/20 09:36	06/26/20 09:36	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498724	1	06/25/20 16:32	06/25/20 22:52	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 20:36	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497257	1	06/23/20 06:04	06/23/20 06:04	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498717	1	06/25/20 09:02	06/25/20 09:02	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497076	1	06/23/20 16:48	06/28/20 02:58	CAG	Mt. Juliet, TN

MW-99 L1231128-17 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 12:50
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	1	06/29/20 16:57	06/29/20 16:57	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/26/20 09:54	06/26/20 09:54	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	5	06/26/20 10:48	06/26/20 10:48	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498724	1	06/25/20 16:32	06/25/20 22:55	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 20:40	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1498490	1	06/25/20 08:52	06/25/20 08:52	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498717	10	06/25/20 09:22	06/25/20 09:22	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497076	5	06/23/20 16:48	06/28/20 03:24	CAG	Mt. Juliet, TN

MW-66 L1231128-18 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 12:45
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	1	06/29/20 17:00	06/29/20 17:00	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1500401	1	06/27/20 19:06	06/27/20 20:45	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/26/20 11:06	06/26/20 11:06	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	5	06/26/20 11:42	06/26/20 11:42	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1496609	1	06/22/20 19:00	06/23/20 13:08	ABL	Mt. Juliet, TN
Mercury by Method 7470A	WG1496615	1	06/22/20 11:32	06/22/20 18:26	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498718	1	06/25/20 17:46	06/25/20 23:34	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498738	1	06/25/20 16:39	06/25/20 21:51	EL	Mt. Juliet, TN

MW-66 L1231128-18 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 12:45
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1498724	1	06/25/20 16:32	06/25/20 22:59	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 20:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1498490	1	06/25/20 09:15	06/25/20 09:15	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	1	06/23/20 02:05	06/23/20 02:05	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499394	10	06/26/20 00:28	06/26/20 00:28	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	5	06/23/20 16:01	06/29/20 08:11	CAG	Mt. Juliet, TN

MW-28 L1231128-19 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 13:40
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	5	06/29/20 17:01	06/29/20 17:01	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1500401	20	06/27/20 19:06	06/27/20 20:46	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	100	06/26/20 12:35	06/26/20 12:35	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	5	06/26/20 12:18	06/26/20 12:18	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1496610	1	06/23/20 10:45	06/23/20 21:41	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1496615	1	06/22/20 11:32	06/22/20 18:28	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498719	1	06/25/20 23:45	06/26/20 08:09	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498738	1	06/25/20 16:39	06/25/20 21:54	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498724	1	06/25/20 16:32	06/25/20 23:02	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 20:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499077	1	06/25/20 19:22	06/25/20 19:22	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499394	5	06/26/20 00:48	06/26/20 00:48	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	5	06/23/20 16:01	06/29/20 10:28	JDG	Mt. Juliet, TN

MW-59 L1231128-20 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 10:15
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498145	1	06/24/20 18:56	06/24/20 21:57	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	1	06/29/20 17:02	06/29/20 17:02	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	1	06/26/20 12:53	06/26/20 12:53	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498057	100	06/26/20 13:11	06/26/20 13:11	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 13:58	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 20:50	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1498490	1	06/25/20 09:38	06/25/20 09:38	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	1	06/23/20 02:52	06/23/20 02:52	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 05:30	CAG	Mt. Juliet, TN

MW-60 L1231128-21 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 11:45
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	50	06/29/20 17:04	06/29/20 17:04	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1500401	20	06/27/20 19:06	06/27/20 20:47	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	1	06/27/20 05:01	06/27/20 05:01	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	50	06/27/20 05:20	06/27/20 05:20	GB	Mt. Juliet, TN
Mercury by Method 7470A	WG1496610	1	06/23/20 10:45	06/23/20 21:48	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1496615	1	06/22/20 11:32	06/22/20 17:20	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498719	1	06/25/20 23:45	06/26/20 08:12	TRB	Mt. Juliet, TN

MW-60 L1231128-21 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 11:45
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1498738	1	06/25/20 16:39	06/25/20 21:58	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 14:12	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 21:07	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1498490	1	06/25/20 10:01	06/25/20 10:01	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	1	06/23/20 03:16	06/23/20 03:16	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 03:49	CAG	Mt. Juliet, TN

MW-105 L1231128-22 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 09:25
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	50	06/29/20 17:05	06/29/20 17:05	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	1	06/27/20 05:38	06/27/20 05:38	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	5	06/27/20 05:57	06/27/20 05:57	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 14:16	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 21:10	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1498490	50	06/25/20 12:41	06/25/20 12:41	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	50	06/23/20 03:40	06/23/20 03:40	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 07:31	CAG	Mt. Juliet, TN

MW-61 L1231128-23 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 10:25
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499266	100	06/29/20 17:06	06/29/20 17:06	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	1	06/27/20 08:40	06/27/20 08:40	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	50	06/27/20 08:58	06/27/20 08:58	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 14:19	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 21:14	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1498490	50	06/25/20 13:26	06/25/20 13:26	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	50	06/23/20 04:04	06/23/20 04:04	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 05:50	CAG	Mt. Juliet, TN

MW-62 L1231128-24 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 12:20
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	50	06/30/20 18:08	06/30/20 18:08	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	1	06/27/20 09:16	06/27/20 09:16	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	20	06/27/20 09:34	06/27/20 09:34	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 14:22	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 21:17	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1498490	20	06/25/20 13:49	06/25/20 13:49	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	20	06/23/20 04:28	06/23/20 04:28	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 06:50	CAG	Mt. Juliet, TN

MW-93 L1231128-25 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 11:25
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	50	06/30/20 18:09	06/30/20 18:09	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	1	06/27/20 09:53	06/27/20 09:53	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	50	06/27/20 10:11	06/27/20 10:11	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 14:46	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 21:20	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1498490	1	06/25/20 10:24	06/25/20 10:24	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	20	06/23/20 04:52	06/23/20 04:52	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 07:10	CAG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1496728	5	06/22/20 08:41	06/23/20 01:16	SHG	Mt. Juliet, TN

MW-43 L1231128-26 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 14:25
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	5	06/30/20 18:10	06/30/20 18:10	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1500401	20	06/27/20 19:06	06/27/20 20:48	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	1	06/27/20 10:30	06/27/20 10:30	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	20	06/27/20 10:48	06/27/20 10:48	GB	Mt. Juliet, TN
Mercury by Method 7470A	WG1496610	1	06/23/20 10:45	06/23/20 21:50	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1496616	1	06/23/20 20:00	06/24/20 12:00	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498719	1	06/25/20 23:45	06/26/20 08:15	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498738	1	06/25/20 16:39	06/25/20 22:00	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 14:49	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498749	1	06/26/20 18:05	06/27/20 21:24	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1500303	50	06/27/20 18:04	06/27/20 18:04	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499394	20	06/26/20 01:09	06/26/20 01:09	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	5	06/23/20 16:01	06/29/20 10:49	JDG	Mt. Juliet, TN

MW-23 L1231128-27 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 13:25
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	10	06/30/20 18:11	06/30/20 18:11	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	1	06/27/20 11:07	06/27/20 11:07	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	10	06/27/20 11:25	06/27/20 11:25	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 14:52	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/28/20 22:28	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499248	20	06/26/20 00:42	06/26/20 00:42	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	10	06/23/20 05:39	06/23/20 05:39	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499394	20	06/26/20 01:29	06/26/20 01:29	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	5	06/23/20 16:01	06/29/20 11:09	JDG	Mt. Juliet, TN

MW-42 L1231128-28 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 14:20
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	50	06/30/20 18:14	06/30/20 18:14	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	1	06/27/20 12:20	06/27/20 12:20	GB	Mt. Juliet, TN

MW-42 L1231128-28 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 14:20
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1498064	50	06/27/20 12:39	06/27/20 12:39	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 14:56	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/28/20 22:57	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499248	20	06/26/20 01:04	06/26/20 01:04	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	5	06/23/20 06:03	06/23/20 06:03	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499394	5	06/26/20 01:49	06/26/20 01:49	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 06:10	CAG	Mt. Juliet, TN

RW-7 L1231128-29 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 12:20
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	50	06/30/20 18:15	06/30/20 18:15	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	1	06/27/20 12:57	06/27/20 12:57	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	10	06/27/20 13:15	06/27/20 13:15	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 14:59	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/28/20 23:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499718	5	06/26/20 14:59	06/26/20 14:59	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	1	06/23/20 06:27	06/23/20 06:27	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 06:30	CAG	Mt. Juliet, TN

RW-#17A L1231128-30 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 15:10
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	1	06/30/20 18:20	06/30/20 18:20	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	1	06/27/20 13:34	06/27/20 13:34	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	100	06/27/20 13:52	06/27/20 13:52	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 15:03	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/28/20 23:04	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499248	1	06/25/20 20:08	06/25/20 20:08	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	1	06/23/20 06:51	06/23/20 06:51	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 04:29	CAG	Mt. Juliet, TN

DUP-REST-01 L1231128-31 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 12:00
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	1	06/30/20 18:24	06/30/20 18:24	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	5	06/27/20 14:11	06/27/20 14:11	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	50	06/27/20 14:29	06/27/20 14:29	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 15:06	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/28/20 23:08	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1500307	1	06/27/20 16:10	06/27/20 16:10	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499394	1	06/26/20 00:08	06/26/20 00:08	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 03:09	CAG	Mt. Juliet, TN

DUP-REST-03 L1231128-32 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 11:00 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	1	06/30/20 18:25	06/30/20 18:25	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	10	06/27/20 14:48	06/27/20 14:48	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	100	06/27/20 15:06	06/27/20 15:06	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 15:10	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/28/20 23:11	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499248	1	06/25/20 20:53	06/25/20 20:53	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	1	06/23/20 07:39	06/23/20 07:39	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 02:08	CAG	Mt. Juliet, TN

DUP-REST-04 L1231128-33 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 10:00 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	10	06/30/20 18:26	06/30/20 18:26	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1500401	20	06/27/20 19:06	06/27/20 20:49	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	10	06/27/20 16:01	06/27/20 16:01	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	100	06/27/20 16:20	06/27/20 16:20	GB	Mt. Juliet, TN
Mercury by Method 7470A	WG1496610	1	06/23/20 10:45	06/23/20 21:52	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1496616	1	06/23/20 20:00	06/24/20 12:02	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498719	1	06/25/20 23:45	06/26/20 08:27	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498738	1	06/25/20 16:39	06/25/20 22:09	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 15:13	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/28/20 23:14	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499248	1	06/25/20 21:16	06/25/20 21:16	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	1	06/23/20 08:02	06/23/20 08:02	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 04:09	CAG	Mt. Juliet, TN

EB-REST-01 L1231128-34 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 15:30 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	1	06/30/20 18:28	06/30/20 18:28	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	1	06/27/20 04:06	06/27/20 04:06	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 15:27	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/28/20 23:18	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499248	1	06/25/20 21:39	06/25/20 21:39	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	1	06/23/20 08:26	06/23/20 08:26	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 01:48	CAG	Mt. Juliet, TN

EB-REST-03 L1231128-35 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 14:00 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	1	06/30/20 18:29	06/30/20 18:29	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	1	06/27/20 16:38	06/27/20 16:38	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 15:30	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/28/20 23:21	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499248	1	06/25/20 22:02	06/25/20 22:02	ADM	Mt. Juliet, TN

EB-REST-03 L1231128-35 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 14:00
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	1	06/23/20 08:50	06/23/20 08:50	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 02:48	CAG	Mt. Juliet, TN

EB-REST-04 L1231128-36 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 12:05
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	1	06/30/20 18:31	06/30/20 18:31	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1500401	1	06/27/20 19:06	06/27/20 20:50	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498064	1	06/27/20 16:57	06/27/20 16:57	GB	Mt. Juliet, TN
Mercury by Method 7470A	WG1496610	1	06/23/20 10:45	06/23/20 21:59	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1496616	1	06/23/20 20:00	06/24/20 12:05	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498719	1	06/25/20 23:45	06/26/20 08:30	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498738	1	06/25/20 16:39	06/25/20 22:11	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 15:34	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/28/20 23:25	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499718	1	06/26/20 14:36	06/26/20 14:36	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	1	06/23/20 09:14	06/23/20 09:14	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 02:28	CAG	Mt. Juliet, TN

TRIP BLANK-REST-01 L1231128-37 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 00:00
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497261	1	06/23/20 01:41	06/23/20 01:41	TJJ	Mt. Juliet, TN

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.



Chris McCord
Project Manager

Report Revision History

Level II Report - Version 1: 07/01/20 21:08

Project Narrative

1/30/21: COC revised to OK from NCF. Missing samples were received in good order the following day in a delayed shipment.

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1231128-03	MW-109	8015D/GRO
L1231128-27	MW-23	8015D/GRO

The following analysis were performed from an unpreserved, insufficiently or inadequately preserved sample.

Lab Sample ID	Project Sample ID	Method
L1231128-06	MW-113	8015D/GRO

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2390		14.1	50.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.861		0.0500	0.100	1	06/27/2020 15:41	WG1498641

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	208		19.0	50.0	50	06/25/2020 21:18	WG1498057
Fluoride	0.828		0.0640	0.150	1	06/25/2020 21:00	WG1498057
Sulfate	972		29.7	250	50	06/25/2020 21:18	WG1498057

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00375		0.000735	0.00200	1	06/27/2020 01:39	WG1498748
Arsenic,Dissolved	0.00369		0.000735	0.00200	1	06/25/2020 21:56	WG1498724
Barium	0.0168	J	0.00778	0.0200	1	06/27/2020 01:39	WG1498748
Barium,Dissolved	0.0169	J	0.00778	0.0200	1	06/25/2020 21:56	WG1498724
Calcium	247		0.480	1.00	1	06/27/2020 01:39	WG1498748
Chromium	U		0.00149	0.00200	1	06/27/2020 01:39	WG1498748
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 21:56	WG1498724
Iron	0.0745	J	0.0489	0.100	1	06/27/2020 01:39	WG1498748
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 21:56	WG1498724
Lead	U		0.00249	0.00500	1	06/27/2020 01:39	WG1498748
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 21:56	WG1498724
Manganese	0.0968		0.00132	0.00500	1	06/27/2020 01:39	WG1498748
Manganese,Dissolved	0.102		0.00132	0.00500	1	06/25/2020 21:56	WG1498724
Potassium	0.656	J	0.534	2.00	1	06/27/2020 01:39	WG1498748
Selenium	0.00436		0.000657	0.00200	1	06/27/2020 01:39	WG1498748
Selenium,Dissolved	0.00498		0.000657	0.00200	1	06/25/2020 21:56	WG1498724
Sodium	285		0.630	2.00	1	06/27/2020 01:39	WG1498748

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/25/2020 04:54	WG1498473
(S) a,a,a-Trifluorotoluene(FID)	*97.8*			*78.0-120*		*06/25/2020 04:54*	WG1498473

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 01:13	WG1497257
Benzene	U		0.0000941	0.00100	1	06/23/2020 01:13	WG1497257
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 01:13	WG1497257
Bromoform	U		0.000129	0.00100	1	06/23/2020 01:13	WG1497257
Bromomethane	U		0.000605	0.00500	1	06/23/2020 01:13	WG1497257
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 01:13	WG1497257
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 01:13	WG1497257
Carbon disulfide	0.000332	B J	0.0000962	0.00100	1	06/23/2020 01:13	WG1497257
Carbon tetrachloride	U		0.000128	0.00100	1	06/25/2020 03:39	WG1498558

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 01:13	WG1497257
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 01:13	WG1497257
Chloroethane	U		0.000192	0.00500	1	06/23/2020 01:13	WG1497257
Chloroform	U		0.000111	0.00500	1	06/23/2020 01:13	WG1497257
Chloromethane	U		0.000960	0.00250	1	06/23/2020 01:13	WG1497257
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 01:13	WG1497257
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 01:13	WG1497257
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 01:13	WG1497257
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 01:13	WG1497257
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 01:13	WG1497257
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 01:13	WG1497257
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 01:13	WG1497257
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 01:13	WG1497257
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 01:13	WG1497257
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 01:13	WG1497257
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 01:13	WG1497257
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 01:13	WG1497257
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 01:13	WG1497257
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 01:13	WG1497257
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 01:13	WG1497257
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 01:13	WG1497257
Methyl tert-butyl ether	0.00424		0.000101	0.00100	1	06/23/2020 01:13	WG1497257
Naphthalene	U		0.00100	0.00500	1	06/23/2020 01:13	WG1497257
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 01:13	WG1497257
Styrene	U		0.000118	0.00100	1	06/23/2020 01:13	WG1497257
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 01:13	WG1497257
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 01:13	WG1497257
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 01:13	WG1497257
Toluene	U		0.000278	0.00100	1	06/23/2020 01:13	WG1497257
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 01:13	WG1497257
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 01:13	WG1497257
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 01:13	WG1497257
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 01:13	WG1497257
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 01:13	WG1497257
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 01:13	WG1497257
o-Xylene	U		0.000174	0.00100	1	06/23/2020 01:13	WG1497257
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 01:13	WG1497257
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 01:13	WG1497257
(S) Toluene-d8	*112*			*80.0-120*		*06/23/2020 01:13*	WG1497257
(S) Toluene-d8	*108*			*80.0-120*		*06/25/2020 03:39*	WG1498558
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/23/2020 01:13*	WG1497257
(S) 4-Bromofluorobenzene	*93.4*			*77.0-126*		*06/25/2020 03:39*	WG1498558
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/23/2020 01:13*	WG1497257
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*		*06/25/2020 03:39*	WG1498558

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.609		0.0247	0.100	1	06/27/2020 22:15	WG1497076
(S) o-Terphenyl	*81.1*			*31.0-160*		*06/27/2020 22:15*	WG1497076

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	2810		14.1	50.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	13.0		0.250	0.500	5	06/27/2020 15:43	WG1498641

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	06/27/2020 20:39	WG1500401

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	195		37.9	100	100	06/25/2020 21:54	WG1498057
Fluoride	1.71		0.0640	0.150	1	06/25/2020 21:36	WG1498057
Sulfate	1140		59.4	500	100	06/25/2020 21:54	WG1498057

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/23/2020 13:01	WG1496609
Mercury,Dissolved	U		0.000100	0.000200	1	06/22/2020 17:57	WG1496615

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.767		0.0254	0.200	1	06/25/2020 21:43	WG1498738
Boron,Dissolved	0.792		0.0254	0.200	1	06/25/2020 23:24	WG1498718

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00344		0.000735	0.00200	1	06/27/2020 01:43	WG1498748
Arsenic,Dissolved	0.00379		0.000735	0.00200	1	06/25/2020 21:59	WG1498724
Barium	0.0149	J	0.00778	0.0200	1	06/27/2020 01:43	WG1498748
Barium,Dissolved	0.0136	J	0.00778	0.0200	1	06/25/2020 21:59	WG1498724
Cadmium	U		0.000478	0.00100	1	06/27/2020 01:43	WG1498748
Cadmium,Dissolved	U		0.000478	0.00100	1	06/25/2020 21:59	WG1498724
Calcium	239		0.480	1.00	1	06/27/2020 01:43	WG1498748
Chromium	0.00273		0.00149	0.00200	1	06/27/2020 01:43	WG1498748
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 21:59	WG1498724
Cobalt	0.000742	J	0.000477	0.00200	1	06/27/2020 01:43	WG1498748
Cobalt,Dissolved	0.000478	J	0.000477	0.00200	1	06/25/2020 21:59	WG1498724
Iron	0.252		0.0489	0.100	1	06/27/2020 01:43	WG1498748
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 21:59	WG1498724
Lead	U		0.00249	0.00500	1	06/27/2020 01:43	WG1498748
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 21:59	WG1498724
Manganese	0.0928		0.00132	0.00500	1	06/27/2020 01:43	WG1498748
Manganese,Dissolved	0.0738		0.00132	0.00500	1	06/25/2020 21:59	WG1498724
Nickel	0.0260		0.000952	0.00200	1	06/27/2020 01:43	WG1498748
Nickel,Dissolved	0.0252		0.000952	0.00200	1	06/25/2020 21:59	WG1498724

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	U		0.534	2.00	1	06/27/2020 01:43	WG1498748
Selenium	0.00612		0.000657	0.00200	1	06/27/2020 01:43	WG1498748
Selenium,Dissolved	0.00633		0.000657	0.00200	1	06/25/2020 21:59	WG1498724
Sodium	340		0.630	2.00	1	06/27/2020 01:43	WG1498748
Uranium	0.0131	J	0.00754	0.0200	1	06/27/2020 01:43	WG1498748
Uranium,Dissolved	0.0123	J	0.00754	0.0200	1	06/25/2020 21:59	WG1498724
Vanadium	0.0247		0.000986	0.00500	1	06/27/2020 01:43	WG1498748
Vanadium,Dissolved	0.0251		0.000986	0.00500	1	06/25/2020 21:59	WG1498724

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/25/2020 05:16	WG1498473
(S) a,a,a-Trifluorotoluene(FID)	*98.4*			*78.0-120*		*06/25/2020 05:16*	WG1498473

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 01:33	WG1497257
Benzene	U		0.0000941	0.00100	1	06/23/2020 01:33	WG1497257
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 01:33	WG1497257
Bromoform	U		0.000129	0.00100	1	06/23/2020 01:33	WG1497257
Bromomethane	U		0.000605	0.00500	1	06/23/2020 01:33	WG1497257
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 01:33	WG1497257
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 01:33	WG1497257
Carbon disulfide	0.000318	B J	0.0000962	0.00100	1	06/23/2020 01:33	WG1497257
Carbon tetrachloride	U		0.000128	0.00100	1	06/25/2020 03:58	WG1498558
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 01:33	WG1497257
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 01:33	WG1497257
Chloroethane	U		0.000192	0.00500	1	06/23/2020 01:33	WG1497257
Chloroform	U		0.000111	0.00500	1	06/23/2020 01:33	WG1497257
Chloromethane	U		0.000960	0.00250	1	06/23/2020 01:33	WG1497257
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 01:33	WG1497257
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 01:33	WG1497257
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 01:33	WG1497257
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 01:33	WG1497257
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 01:33	WG1497257
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 01:33	WG1497257
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 01:33	WG1497257
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 01:33	WG1497257
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 01:33	WG1497257
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 01:33	WG1497257
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 01:33	WG1497257
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 01:33	WG1497257
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 01:33	WG1497257
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 01:33	WG1497257
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 01:33	WG1497257
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 01:33	WG1497257
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 01:33	WG1497257
Naphthalene	U		0.00100	0.00500	1	06/23/2020 01:33	WG1497257
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 01:33	WG1497257
Styrene	U		0.000118	0.00100	1	06/23/2020 01:33	WG1497257
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 01:33	WG1497257
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 01:33	WG1497257
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 01:33	WG1497257

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Received by OCD: 11/22/2022 9:46:04 AM

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SAMPLE RESULTS - 02

Collected date/time: 06/17/20 13:20

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Toluene	U		0.000278	0.00100	1	06/23/2020 01:33	WG1497257
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 01:33	WG1497257
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 01:33	WG1497257
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 01:33	WG1497257
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 01:33	WG1497257
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 01:33	WG1497257
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 01:33	WG1497257
o-Xylene	U		0.000174	0.00100	1	06/23/2020 01:33	WG1497257
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 01:33	WG1497257
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 01:33	WG1497257
(S) Toluene-d8	*107*			*80.0-120*		*06/23/2020 01:33*	WG1497257
(S) Toluene-d8	*108*			*80.0-120*		*06/25/2020 03:58*	WG1498558
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/23/2020 01:33*	WG1497257
(S) 4-Bromofluorobenzene	*91.8*			*77.0-126*		*06/25/2020 03:58*	WG1498558
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/23/2020 01:33*	WG1497257
(S) 1,2-Dichloroethane-d4	*96.6*			*70.0-130*		*06/25/2020 03:58*	WG1498558

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.294		0.0247	0.100	1	06/27/2020 22:41	WG1497076
(S) o-Terphenyl	*72.1*			*31.0-160*		*06/27/2020 22:41*	WG1497076

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

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2150		14.1	50.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	06/27/2020 15:44	WG1498641

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	191		7.58	20.0	20	06/25/2020 22:29	WG1498057
Fluoride	1.97		0.0640	0.150	1	06/25/2020 22:12	WG1498057
Sulfate	496		11.9	100	20	06/25/2020 22:29	WG1498057

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00261		0.000735	0.00200	1	06/27/2020 01:46	WG1498748
Arsenic,Dissolved	0.00310		0.000735	0.00200	1	06/25/2020 22:02	WG1498724
Barium	0.0574		0.00778	0.0200	1	06/27/2020 01:46	WG1498748
Barium,Dissolved	0.0437		0.00778	0.0200	1	06/25/2020 22:02	WG1498724
Calcium	87.7		0.480	1.00	1	06/27/2020 01:46	WG1498748
Chromium	U		0.00149	0.00200	1	06/27/2020 01:46	WG1498748
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 22:02	WG1498724
Iron	U		0.0489	0.100	1	06/27/2020 01:46	WG1498748
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 22:02	WG1498724
Lead	U		0.00249	0.00500	1	06/27/2020 01:46	WG1498748
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 22:02	WG1498724
Manganese	0.0531		0.00132	0.00500	1	06/27/2020 01:46	WG1498748
Manganese,Dissolved	0.0675		0.00132	0.00500	1	06/25/2020 22:02	WG1498724
Potassium	0.786	J	0.534	2.00	1	06/27/2020 01:46	WG1498748
Selenium	U		0.000657	0.00200	1	06/27/2020 01:46	WG1498748
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 22:02	WG1498724
Sodium	423		0.630	2.00	1	06/27/2020 01:46	WG1498748

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	5.44		0.314	1.00	10	06/25/2020 22:08	WG1499069
(S) a,a,a-Trifluorotoluene(FID)	*92.6*			*78.0-120*		*06/25/2020 22:08*	WG1499069

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	06/23/2020 01:52	WG1497257
Benzene	1.78		0.000941	0.0100	10	06/23/2020 01:52	WG1497257
Bromodichloromethane	U		0.00136	0.0100	10	06/23/2020 01:52	WG1497257
Bromoform	U		0.00129	0.0100	10	06/23/2020 01:52	WG1497257
Bromomethane	U		0.00605	0.0500	10	06/23/2020 01:52	WG1497257
n-Butylbenzene	U		0.00157	0.0100	10	06/23/2020 01:52	WG1497257
sec-Butylbenzene	0.00604	J	0.00125	0.0100	10	06/23/2020 01:52	WG1497257
Carbon disulfide	0.00454	B J	0.000962	0.0100	10	06/23/2020 01:52	WG1497257
Carbon tetrachloride	U		0.00128	0.0100	10	06/25/2020 04:18	WG1498558

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.00116	0.0100	10	06/23/2020 01:52	WG1497257
Chlorodibromomethane	U		0.00140	0.0100	10	06/23/2020 01:52	WG1497257
Chloroethane	U		0.00192	0.0500	10	06/23/2020 01:52	WG1497257
Chloroform	U		0.00111	0.0500	10	06/23/2020 01:52	WG1497257
Chloromethane	U		0.00960	0.0250	10	06/23/2020 01:52	WG1497257
1,2-Dibromoethane	U		0.00126	0.0100	10	06/23/2020 01:52	WG1497257
1,1-Dichloroethane	U		0.00100	0.0100	10	06/23/2020 01:52	WG1497257
1,2-Dichloroethane	U		0.000819	0.0100	10	06/23/2020 01:52	WG1497257
1,1-Dichloroethene	U		0.00188	0.0100	10	06/23/2020 01:52	WG1497257
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	06/23/2020 01:52	WG1497257
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	06/23/2020 01:52	WG1497257
1,2-Dichloropropane	U		0.00149	0.0100	10	06/23/2020 01:52	WG1497257
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	06/23/2020 01:52	WG1497257
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	06/23/2020 01:52	WG1497257
Ethylbenzene	0.00892	J	0.00137	0.0100	10	06/23/2020 01:52	WG1497257
Isopropylbenzene	0.0746		0.00105	0.0100	10	06/23/2020 01:52	WG1497257
p-Isopropyltoluene	U		0.00120	0.0100	10	06/23/2020 01:52	WG1497257
2-Butanone (MEK)	U		0.0119	0.100	10	06/23/2020 01:52	WG1497257
2-Hexanone	U		0.00787	0.100	10	06/23/2020 01:52	WG1497257
Methylene Chloride	U		0.00430	0.0500	10	06/23/2020 01:52	WG1497257
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	06/23/2020 01:52	WG1497257
Methyl tert-butyl ether	U		0.00101	0.0100	10	06/23/2020 01:52	WG1497257
Naphthalene	U		0.0100	0.0500	10	06/23/2020 01:52	WG1497257
n-Propylbenzene	0.0596		0.000993	0.0100	10	06/23/2020 01:52	WG1497257
Styrene	U		0.00118	0.0100	10	06/23/2020 01:52	WG1497257
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	06/23/2020 01:52	WG1497257
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	06/23/2020 01:52	WG1497257
Tetrachloroethene	U		0.00300	0.0100	10	06/23/2020 01:52	WG1497257
Toluene	0.0221		0.00278	0.0100	10	06/23/2020 01:52	WG1497257
1,1,1-Trichloroethane	U		0.00149	0.0100	10	06/23/2020 01:52	WG1497257
1,1,2-Trichloroethane	U		0.00158	0.0100	10	06/23/2020 01:52	WG1497257
Trichloroethene	U		0.00190	0.0100	10	06/23/2020 01:52	WG1497257
1,2,4-Trimethylbenzene	U		0.00322	0.0100	10	06/23/2020 01:52	WG1497257
1,3,5-Trimethylbenzene	U		0.00104	0.0100	10	06/23/2020 01:52	WG1497257
Vinyl chloride	U		0.00234	0.0100	10	06/23/2020 01:52	WG1497257
o-Xylene	U		0.00174	0.0100	10	06/23/2020 01:52	WG1497257
m&p-Xylene	0.0238		0.00430	0.0200	10	06/23/2020 01:52	WG1497257
Xylenes, Total	0.0238	J	0.00174	0.0300	10	06/23/2020 01:52	WG1497257
(S) Toluene-d8	*105*			*80.0-120*		*06/23/2020 01:52*	WG1497257
(S) Toluene-d8	*104*			*80.0-120*		*06/25/2020 04:18*	WG1498558
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*06/23/2020 01:52*	WG1497257
(S) 4-Bromofluorobenzene	*95.6*			*77.0-126*		*06/25/2020 04:18*	WG1498558
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/23/2020 01:52*	WG1497257
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*06/25/2020 04:18*	WG1498558

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.61		0.0247	0.100	1	06/27/2020 23:07	WG1497076
(S) o-Terphenyl	*92.1*			*31.0-160*		*06/27/2020 23:07*	WG1497076

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	1300		7.05	25.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 17:25	WG1499266

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	95.6		0.379	1.00	1	06/25/2020 22:47	WG1498057
Fluoride	1.39		0.0640	0.150	1	06/25/2020 22:47	WG1498057
Sulfate	316		29.7	250	50	06/26/2020 00:21	WG1498057

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0345		0.000735	0.00200	1	06/27/2020 01:50	WG1498748
Arsenic,Dissolved	0.0355		0.000735	0.00200	1	06/25/2020 22:05	WG1498724
Barium	0.0516		0.00778	0.0200	1	06/27/2020 01:50	WG1498748
Barium,Dissolved	0.0516		0.00778	0.0200	1	06/25/2020 22:05	WG1498724
Calcium	97.8		0.480	1.00	1	06/27/2020 01:50	WG1498748
Chromium	U		0.00149	0.00200	1	06/27/2020 01:50	WG1498748
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 22:05	WG1498724
Iron	0.919		0.0489	0.100	1	06/27/2020 01:50	WG1498748
Iron,Dissolved	0.876		0.0489	0.100	1	06/25/2020 22:05	WG1498724
Lead	U		0.00249	0.00500	1	06/27/2020 01:50	WG1498748
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 22:05	WG1498724
Manganese	1.92		0.00132	0.00500	1	06/27/2020 01:50	WG1498748
Manganese,Dissolved	2.03		0.00132	0.00500	1	06/25/2020 22:05	WG1498724
Potassium	U		0.534	2.00	1	06/27/2020 01:50	WG1498748
Selenium	U		0.000657	0.00200	1	06/27/2020 01:50	WG1498748
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 22:05	WG1498724
Sodium	251		0.630	2.00	1	06/27/2020 01:50	WG1498748

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.587		0.0314	0.100	1	06/25/2020 22:30	WG1499069
(S) a,a,a-Trifluorotoluene(FID)	*94.5*			*78.0-120*		*06/25/2020 22:30*	WG1499069

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/23/2020 02:11	WG1497257
Benzene	0.00152		0.0000941	0.00100	1	06/23/2020 02:11	WG1497257
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 02:11	WG1497257
Bromoform	U		0.000129	0.00100	1	06/23/2020 02:11	WG1497257
Bromomethane	U		0.000605	0.00500	1	06/23/2020 02:11	WG1497257
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 02:11	WG1497257
sec-Butylbenzene	0.00314		0.000125	0.00100	1	06/23/2020 02:11	WG1497257
Carbon disulfide	0.000346	B J	0.0000962	0.00100	1	06/23/2020 02:11	WG1497257
Carbon tetrachloride	U		0.000128	0.00100	1	06/25/2020 04:37	WG1498558

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 02:11	WG1497257
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 02:11	WG1497257
Chloroethane	U		0.000192	0.00500	1	06/23/2020 02:11	WG1497257
Chloroform	U		0.000111	0.00500	1	06/23/2020 02:11	WG1497257
Chloromethane	U		0.000960	0.00250	1	06/23/2020 02:11	WG1497257
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 02:11	WG1497257
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 02:11	WG1497257
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 02:11	WG1497257
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 02:11	WG1497257
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 02:11	WG1497257
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 02:11	WG1497257
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 02:11	WG1497257
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 02:11	WG1497257
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 02:11	WG1497257
Ethylbenzene	0.000357	J	0.000137	0.00100	1	06/23/2020 02:11	WG1497257
Isopropylbenzene	0.00747		0.000105	0.00100	1	06/23/2020 02:11	WG1497257
p-Isopropyltoluene	0.00103		0.000120	0.00100	1	06/23/2020 02:11	WG1497257
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 02:11	WG1497257
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 02:11	WG1497257
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 02:11	WG1497257
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 02:11	WG1497257
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 02:11	WG1497257
Naphthalene	U		0.00100	0.00500	1	06/23/2020 02:11	WG1497257
n-Propylbenzene	0.00560		0.0000993	0.00100	1	06/23/2020 02:11	WG1497257
Styrene	U		0.000118	0.00100	1	06/23/2020 02:11	WG1497257
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 02:11	WG1497257
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 02:11	WG1497257
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 02:11	WG1497257
Toluene	U		0.000278	0.00100	1	06/23/2020 02:11	WG1497257
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 02:11	WG1497257
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 02:11	WG1497257
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 02:11	WG1497257
1,2,4-Trimethylbenzene	0.00293		0.000322	0.00100	1	06/23/2020 02:11	WG1497257
1,3,5-Trimethylbenzene	0.000744	J	0.000104	0.00100	1	06/23/2020 02:11	WG1497257
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 02:11	WG1497257
o-Xylene	U		0.000174	0.00100	1	06/23/2020 02:11	WG1497257
m&p-Xylene	0.00123	J	0.000430	0.00200	1	06/23/2020 02:11	WG1497257
Xylenes, Total	0.00123	J	0.000174	0.00300	1	06/23/2020 02:11	WG1497257
(S) Toluene-d8	*98.4*			*80.0-120*		*06/23/2020 02:11*	WG1497257
(S) Toluene-d8	*92.4*			*80.0-120*		*06/25/2020 04:37*	WG1498558
(S) 4-Bromofluorobenzene	*91.7*			*77.0-126*		*06/23/2020 02:11*	WG1497257
(S) 4-Bromofluorobenzene	*87.1*			*77.0-126*		*06/25/2020 04:37*	WG1498558
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/23/2020 02:11*	WG1497257
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/25/2020 04:37*	WG1498558

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.696		0.0247	0.100	1	06/27/2020 23:33	WG1497076
(S) o-Terphenyl	*87.9*			*31.0-160*		*06/27/2020 23:33*	WG1497076

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	2750		14.1	50.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 16:31	WG1499266

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	143		19.0	50.0	50	06/26/2020 01:15	WG1498057
Fluoride	0.716		0.0640	0.150	1	06/26/2020 00:57	WG1498057
Sulfate	1300		29.7	250	50	06/26/2020 01:15	WG1498057

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	U		0.000735	0.00200	1	06/27/2020 01:53	WG1498748
Arsenic,Dissolved	U		0.000735	0.00200	1	06/25/2020 22:09	WG1498724
Barium	0.0342		0.00778	0.0200	1	06/27/2020 01:53	WG1498748
Barium,Dissolved	0.0348		0.00778	0.0200	1	06/25/2020 22:09	WG1498724
Calcium	337		0.480	1.00	1	06/27/2020 01:53	WG1498748
Chromium	0.0557		0.00149	0.00200	1	06/27/2020 01:53	WG1498748
Chromium,Dissolved	0.0266		0.00149	0.00200	1	06/25/2020 22:09	WG1498724
Iron	0.150		0.0489	0.100	1	06/27/2020 01:53	WG1498748
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 22:09	WG1498724
Lead	U		0.00249	0.00500	1	06/27/2020 01:53	WG1498748
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 22:09	WG1498724
Manganese	1.39		0.00132	0.00500	1	06/27/2020 01:53	WG1498748
Manganese,Dissolved	1.41		0.00132	0.00500	1	06/25/2020 22:09	WG1498724
Potassium	U		0.534	2.00	1	06/27/2020 01:53	WG1498748
Selenium	U		0.000657	0.00200	1	06/27/2020 01:53	WG1498748
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 22:09	WG1498724
Sodium	158		0.630	2.00	1	06/27/2020 01:53	WG1498748

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/23/2020 02:31	WG1497257
Benzene	0.154		0.0000941	0.00100	1	06/23/2020 02:31	WG1497257
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 02:31	WG1497257
Bromoform	U		0.000129	0.00100	1	06/23/2020 02:31	WG1497257
Bromomethane	U		0.000605	0.00500	1	06/23/2020 02:31	WG1497257
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 02:31	WG1497257
sec-Butylbenzene	0.00414		0.000125	0.00100	1	06/23/2020 02:31	WG1497257
Carbon disulfide	0.00118	B	0.0000962	0.00100	1	06/23/2020 02:31	WG1497257
Carbon tetrachloride	U		0.000128	0.00100	1	06/25/2020 04:56	WG1498558
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 02:31	WG1497257
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 02:31	WG1497257
Chloroethane	U		0.000192	0.00500	1	06/23/2020 02:31	WG1497257
Chloroform	U		0.000111	0.00500	1	06/23/2020 02:31	WG1497257
Chloromethane	U		0.000960	0.00250	1	06/23/2020 02:31	WG1497257
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 02:31	WG1497257
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 02:31	WG1497257

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 02:31	WG1497257
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 02:31	WG1497257
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 02:31	WG1497257
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 02:31	WG1497257
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 02:31	WG1497257
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 02:31	WG1497257
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 02:31	WG1497257
Ethylbenzene	0.00223		0.000137	0.00100	1	06/23/2020 02:31	WG1497257
Isopropylbenzene	0.0303		0.000105	0.00100	1	06/23/2020 02:31	WG1497257
p-Isopropyltoluene	0.000352	J	0.000120	0.00100	1	06/23/2020 02:31	WG1497257
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 02:31	WG1497257
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 02:31	WG1497257
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 02:31	WG1497257
4-Methyl-2-pentanone (MIBK)	0.00567	J	0.000478	0.0100	1	06/23/2020 02:31	WG1497257
Methyl tert-butyl ether	0.00225		0.000101	0.00100	1	06/23/2020 02:31	WG1497257
Naphthalene	U		0.00100	0.00500	1	06/23/2020 02:31	WG1497257
n-Propylbenzene	0.0304		0.0000993	0.00100	1	06/23/2020 02:31	WG1497257
Styrene	U		0.000118	0.00100	1	06/23/2020 02:31	WG1497257
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 02:31	WG1497257
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 02:31	WG1497257
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 02:31	WG1497257
Toluene	0.000997	J	0.000278	0.00100	1	06/23/2020 02:31	WG1497257
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 02:31	WG1497257
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 02:31	WG1497257
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 02:31	WG1497257
1,2,4-Trimethylbenzene	0.00494		0.000322	0.00100	1	06/23/2020 02:31	WG1497257
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 02:31	WG1497257
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 02:31	WG1497257
o-Xylene	0.000522	J	0.000174	0.00100	1	06/23/2020 02:31	WG1497257
m&p-Xylene	0.00553		0.000430	0.00200	1	06/23/2020 02:31	WG1497257
Xylenes, Total	0.00605		0.000174	0.00300	1	06/23/2020 02:31	WG1497257
(S) Toluene-d8	*99.2*			*80.0-120*		*06/23/2020 02:31*	WG1497257
(S) Toluene-d8	*103*			*80.0-120*		*06/25/2020 04:56*	WG1498558
(S) 4-Bromofluorobenzene	*95.9*			*77.0-126*		*06/23/2020 02:31*	WG1497257
(S) 4-Bromofluorobenzene	*93.0*			*77.0-126*		*06/25/2020 04:56*	WG1498558
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/23/2020 02:31*	WG1497257
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*06/25/2020 04:56*	WG1498558

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.633		0.0247	0.100	1	06/27/2020 23:58	WG1497076
(S) o-Terphenyl	*83.2*			*31.0-160*		*06/27/2020 23:58*	WG1497076

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2440		14.1	50.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 16:32	WG1499266

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	192		19.0	50.0	50	06/26/2020 01:50	WG1498057
Fluoride	0.519		0.0640	0.150	1	06/26/2020 01:33	WG1498057
Sulfate	1210		29.7	250	50	06/26/2020 01:50	WG1498057

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00185	J	0.000735	0.00200	1	06/27/2020 01:57	WG1498748
Arsenic,Dissolved	0.00192	J	0.000735	0.00200	1	06/25/2020 22:15	WG1498724
Barium	0.0334		0.00778	0.0200	1	06/27/2020 01:57	WG1498748
Barium,Dissolved	0.0245		0.00778	0.0200	1	06/25/2020 22:15	WG1498724
Calcium	317		0.480	1.00	1	06/27/2020 01:57	WG1498748
Chromium	0.00155	J	0.00149	0.00200	1	06/27/2020 01:57	WG1498748
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 22:15	WG1498724
Iron	1.16		0.0489	0.100	1	06/27/2020 01:57	WG1498748
Iron,Dissolved	0.776		0.0489	0.100	1	06/25/2020 22:15	WG1498724
Lead	U		0.00249	0.00500	1	06/27/2020 01:57	WG1498748
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 22:15	WG1498724
Manganese	1.29		0.00132	0.00500	1	06/27/2020 01:57	WG1498748
Manganese,Dissolved	1.31		0.00132	0.00500	1	06/25/2020 22:15	WG1498724
Potassium	0.598	J	0.534	2.00	1	06/27/2020 01:57	WG1498748
Selenium	U		0.000657	0.00200	1	06/27/2020 01:57	WG1498748
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 22:15	WG1498724
Sodium	159		0.630	2.00	1	06/27/2020 01:57	WG1498748

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.30		0.0314	0.100	1	06/25/2020 22:52	WG1499069
(S) a,a,a-Trifluorotoluene(FID)	*98.0*			*78.0-120*		*06/25/2020 22:52*	WG1499069

Sample Narrative:

L1231128-06 WG1499069: Insufficient sample volume for additional analysis

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0565	0.250	5	06/23/2020 02:50	WG1497257
Benzene	0.0306		0.000471	0.00500	5	06/23/2020 02:50	WG1497257
Bromodichloromethane	U		0.000680	0.00500	5	06/23/2020 02:50	WG1497257
Bromoform	U		0.000645	0.00500	5	06/23/2020 02:50	WG1497257
Bromomethane	U		0.00303	0.0250	5	06/23/2020 02:50	WG1497257
n-Butylbenzene	U		0.000785	0.00500	5	06/23/2020 02:50	WG1497257

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U		0.000625	0.00500	5	06/23/2020 02:50	WG1497257
Carbon disulfide	0.00281	B J	0.000481	0.00500	5	06/23/2020 02:50	WG1497257
Carbon tetrachloride	U		0.000640	0.00500	5	06/25/2020 05:16	WG1498558
Chlorobenzene	U		0.000580	0.00500	5	06/23/2020 02:50	WG1497257
Chlorodibromomethane	U		0.000700	0.00500	5	06/23/2020 02:50	WG1497257
Chloroethane	U		0.000960	0.0250	5	06/23/2020 02:50	WG1497257
Chloroform	U		0.000555	0.0250	5	06/23/2020 02:50	WG1497257
Chloromethane	U		0.00480	0.0125	5	06/23/2020 02:50	WG1497257
1,2-Dibromoethane	U		0.000630	0.00500	5	06/23/2020 02:50	WG1497257
1,1-Dichloroethane	U		0.000500	0.00500	5	06/23/2020 02:50	WG1497257
1,2-Dichloroethane	U		0.000409	0.00500	5	06/23/2020 02:50	WG1497257
1,1-Dichloroethene	U		0.000940	0.00500	5	06/23/2020 02:50	WG1497257
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	06/23/2020 02:50	WG1497257
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	06/23/2020 02:50	WG1497257
1,2-Dichloropropane	U		0.000745	0.00500	5	06/23/2020 02:50	WG1497257
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	06/23/2020 02:50	WG1497257
trans-1,3-Dichloropropene	U		0.000590	0.00500	5	06/23/2020 02:50	WG1497257
Ethylbenzene	0.00355	J	0.000685	0.00500	5	06/23/2020 02:50	WG1497257
Isopropylbenzene	0.00158	J	0.000525	0.00500	5	06/23/2020 02:50	WG1497257
p-Isopropyltoluene	0.00138	J	0.000600	0.00500	5	06/23/2020 02:50	WG1497257
2-Butanone (MEK)	U		0.00595	0.0500	5	06/23/2020 02:50	WG1497257
2-Hexanone	U		0.00394	0.0500	5	06/23/2020 02:50	WG1497257
Methylene Chloride	U		0.00215	0.0250	5	06/23/2020 02:50	WG1497257
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	06/23/2020 02:50	WG1497257
Methyl tert-butyl ether	0.0129		0.000505	0.00500	5	06/23/2020 02:50	WG1497257
Naphthalene	U		0.00500	0.0250	5	06/23/2020 02:50	WG1497257
n-Propylbenzene	0.00199	J	0.000497	0.00500	5	06/23/2020 02:50	WG1497257
Styrene	U		0.000590	0.00500	5	06/23/2020 02:50	WG1497257
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	06/23/2020 02:50	WG1497257
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	06/23/2020 02:50	WG1497257
Tetrachloroethene	U		0.00150	0.00500	5	06/23/2020 02:50	WG1497257
Toluene	U		0.00139	0.00500	5	06/23/2020 02:50	WG1497257
1,1,1-Trichloroethane	U		0.000745	0.00500	5	06/23/2020 02:50	WG1497257
1,1,2-Trichloroethane	U		0.000790	0.00500	5	06/23/2020 02:50	WG1497257
Trichloroethene	U		0.000950	0.00500	5	06/23/2020 02:50	WG1497257
1,2,4-Trimethylbenzene	0.0357		0.00161	0.00500	5	06/23/2020 02:50	WG1497257
1,3,5-Trimethylbenzene	U		0.000520	0.00500	5	06/23/2020 02:50	WG1497257
Vinyl chloride	U		0.00117	0.00500	5	06/23/2020 02:50	WG1497257
o-Xylene	U		0.000870	0.00500	5	06/23/2020 02:50	WG1497257
m&p-Xylene	0.0363		0.00215	0.0100	5	06/23/2020 02:50	WG1497257
Xylenes, Total	0.0363		0.000870	0.0150	5	06/23/2020 02:50	WG1497257
(S) Toluene-d8	*105*			*80.0-120*		*06/23/2020 02:50*	WG1497257
(S) Toluene-d8	*106*			*80.0-120*		*06/25/2020 05:16*	WG1498558
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/23/2020 02:50*	WG1497257
(S) 4-Bromofluorobenzene	*96.0*			*77.0-126*		*06/25/2020 05:16*	WG1498558
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*06/23/2020 02:50*	WG1497257
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*06/25/2020 05:16*	WG1498558

Sample Narrative:

L1231128-06 WG1497257: dilution due to high non-targets/matrix

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.226		0.0247	0.100	1	06/28/2020 00:24	WG1497076
(S) o-Terphenyl	*65.3*			*31.0-160*		*06/28/2020 00:24*	WG1497076

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4870		28.2	100	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.73	J5	0.0500	0.100	1	06/29/2020 16:34	WG1499266

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	370		19.0	50.0	50	06/26/2020 02:26	WG1498057
Fluoride	1.16		0.0640	0.150	1	06/26/2020 02:08	WG1498057
Sulfate	2910		29.7	250	50	06/26/2020 02:26	WG1498057

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00368		0.000735	0.00200	1	06/27/2020 19:45	WG1498749
Arsenic,Dissolved	0.00399		0.000735	0.00200	1	06/25/2020 22:18	WG1498724
Barium	0.00896	J	0.00778	0.0200	1	06/27/2020 19:45	WG1498749
Barium,Dissolved	0.00946	J	0.00778	0.0200	1	06/25/2020 22:18	WG1498724
Calcium	515		0.480	1.00	1	06/27/2020 19:45	WG1498749
Chromium	U		0.00149	0.00200	1	06/27/2020 19:45	WG1498749
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 22:18	WG1498724
Iron	U		0.0489	0.100	1	06/27/2020 19:45	WG1498749
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 22:18	WG1498724
Lead	U		0.00249	0.00500	1	06/27/2020 19:45	WG1498749
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 22:18	WG1498724
Manganese	0.00741		0.00132	0.00500	1	06/27/2020 19:45	WG1498749
Manganese,Dissolved	0.00664		0.00132	0.00500	1	06/25/2020 22:18	WG1498724
Potassium	1.51	J	0.534	2.00	1	06/27/2020 19:45	WG1498749
Selenium	0.00631		0.000657	0.00200	1	06/27/2020 19:45	WG1498749
Selenium,Dissolved	0.00596		0.000657	0.00200	1	06/25/2020 22:18	WG1498724
Sodium	234	V	0.630	2.00	1	06/27/2020 19:45	WG1498749

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0330	B J	0.0314	0.100	1	06/25/2020 07:21	WG1498490
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*06/25/2020 07:21*	WG1498490

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 03:10	WG1497257
Benzene	U		0.0000941	0.00100	1	06/23/2020 03:10	WG1497257
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 03:10	WG1497257
Bromoform	U		0.000129	0.00100	1	06/23/2020 03:10	WG1497257
Bromomethane	U		0.000605	0.00500	1	06/23/2020 03:10	WG1497257
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 03:10	WG1497257
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 03:10	WG1497257
Carbon disulfide	0.000449	B J	0.0000962	0.00100	1	06/23/2020 03:10	WG1497257
Carbon tetrachloride	U		0.000128	0.00100	1	06/25/2020 05:35	WG1498558

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 03:10	WG1497257
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 03:10	WG1497257
Chloroethane	U		0.000192	0.00500	1	06/23/2020 03:10	WG1497257
Chloroform	U		0.000111	0.00500	1	06/23/2020 03:10	WG1497257
Chloromethane	U		0.000960	0.00250	1	06/23/2020 03:10	WG1497257
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 03:10	WG1497257
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 03:10	WG1497257
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 03:10	WG1497257
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 03:10	WG1497257
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 03:10	WG1497257
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 03:10	WG1497257
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 03:10	WG1497257
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 03:10	WG1497257
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 03:10	WG1497257
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 03:10	WG1497257
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 03:10	WG1497257
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 03:10	WG1497257
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 03:10	WG1497257
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 03:10	WG1497257
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 03:10	WG1497257
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 03:10	WG1497257
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 03:10	WG1497257
Naphthalene	U		0.00100	0.00500	1	06/23/2020 03:10	WG1497257
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 03:10	WG1497257
Styrene	U		0.000118	0.00100	1	06/23/2020 03:10	WG1497257
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 03:10	WG1497257
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 03:10	WG1497257
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 03:10	WG1497257
Toluene	U		0.000278	0.00100	1	06/23/2020 03:10	WG1497257
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 03:10	WG1497257
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 03:10	WG1497257
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 03:10	WG1497257
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 03:10	WG1497257
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 03:10	WG1497257
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 03:10	WG1497257
o-Xylene	U		0.000174	0.00100	1	06/23/2020 03:10	WG1497257
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 03:10	WG1497257
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 03:10	WG1497257
(S) Toluene-d8	*103*			*80.0-120*		*06/23/2020 03:10*	WG1497257
(S) Toluene-d8	*107*			*80.0-120*		*06/25/2020 05:35*	WG1498558
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*06/23/2020 03:10*	WG1497257
(S) 4-Bromofluorobenzene	*94.9*			*77.0-126*		*06/25/2020 05:35*	WG1498558
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/23/2020 03:10*	WG1497257
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*06/25/2020 05:35*	WG1498558

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0820	J	0.0247	0.100	1	06/28/2020 00:50	WG1497076
(S) o-Terphenyl	*55.3*			*31.0-160*		*06/28/2020 00:50*	WG1497076

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2820		14.1	50.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.50		0.0500	0.100	1	06/29/2020 16:41	WG1499266

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	163		19.0	50.0	50	06/26/2020 03:38	WG1498057
Fluoride	0.321		0.0640	0.150	1	06/26/2020 02:44	WG1498057
Sulfate	1620		29.7	250	50	06/26/2020 03:38	WG1498057

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium	449		0.480	1.00	1	06/27/2020 19:59	WG1498749
Potassium	2.30		0.534	2.00	1	06/27/2020 19:59	WG1498749
Sodium	117		0.630	2.00	1	06/27/2020 19:59	WG1498749

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 03:29	WG1497257
Benzene	U		0.0000941	0.00100	1	06/23/2020 03:29	WG1497257
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 03:29	WG1497257
Bromoform	U		0.000129	0.00100	1	06/23/2020 03:29	WG1497257
Bromomethane	U		0.000605	0.00500	1	06/23/2020 03:29	WG1497257
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 03:29	WG1497257
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 03:29	WG1497257
Carbon disulfide	0.000356	B J	0.0000962	0.00100	1	06/23/2020 03:29	WG1497257
Carbon tetrachloride	U		0.000128	0.00100	1	06/25/2020 05:55	WG1498558
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 03:29	WG1497257
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 03:29	WG1497257
Chloroethane	U		0.000192	0.00500	1	06/23/2020 03:29	WG1497257
Chloroform	U		0.000111	0.00500	1	06/23/2020 03:29	WG1497257
Chloromethane	U		0.000960	0.00250	1	06/23/2020 03:29	WG1497257
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 03:29	WG1497257
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 03:29	WG1497257
1,2-Dichloroethane	0.00228		0.0000819	0.00100	1	06/23/2020 03:29	WG1497257
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 03:29	WG1497257
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 03:29	WG1497257
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 03:29	WG1497257
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 03:29	WG1497257
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 03:29	WG1497257
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 03:29	WG1497257
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 03:29	WG1497257
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 03:29	WG1497257
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 03:29	WG1497257
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 03:29	WG1497257
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 03:29	WG1497257
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 03:29	WG1497257
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 03:29	WG1497257

Received by OCD: 11/22/2022 9:46:04 AM

RA-1738
Collected date/time: 06/17/20 16:05
L1231128

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Methyl tert-butyl ether	0.0170		0.000101	0.00100	1	06/23/2020 03:29	WG1497257
Naphthalene	U		0.00100	0.00500	1	06/23/2020 03:29	WG1497257
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 03:29	WG1497257
Styrene	U		0.000118	0.00100	1	06/23/2020 03:29	WG1497257
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 03:29	WG1497257
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 03:29	WG1497257
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 03:29	WG1497257
Toluene	U		0.000278	0.00100	1	06/23/2020 03:29	WG1497257
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 03:29	WG1497257
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 03:29	WG1497257
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 03:29	WG1497257
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 03:29	WG1497257
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 03:29	WG1497257
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 03:29	WG1497257
o-Xylene	U		0.000174	0.00100	1	06/23/2020 03:29	WG1497257
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 03:29	WG1497257
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 03:29	WG1497257
(S) Toluene-d8	*112*			*80.0-120*		*06/23/2020 03:29*	WG1497257
(S) Toluene-d8	*105*			*80.0-120*		*06/25/2020 05:55*	WG1498558
(S) 4-Bromofluorobenzene	*97.1*			*77.0-126*		*06/23/2020 03:29*	WG1497257
(S) 4-Bromofluorobenzene	*96.6*			*77.0-126*		*06/25/2020 05:55*	WG1498558
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*06/23/2020 03:29*	WG1497257
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/25/2020 05:55*	WG1498558

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2290		14.1	50.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 16:42	WG1499266

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	126		19.0	50.0	50	06/26/2020 04:14	WG1498057
Fluoride	0.324		0.0640	0.150	1	06/26/2020 03:56	WG1498057
Sulfate	1330		29.7	250	50	06/26/2020 04:14	WG1498057

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium	365		0.480	1.00	1	06/27/2020 20:03	WG1498749
Potassium	2.17		0.534	2.00	1	06/27/2020 20:03	WG1498749
Sodium	90.1		0.630	2.00	1	06/27/2020 20:03	WG1498749

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 03:48	WG1497257
Benzene	U		0.0000941	0.00100	1	06/23/2020 03:48	WG1497257
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 03:48	WG1497257
Bromoform	U		0.000129	0.00100	1	06/23/2020 03:48	WG1497257
Bromomethane	U		0.000605	0.00500	1	06/23/2020 03:48	WG1497257
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 03:48	WG1497257
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 03:48	WG1497257
Carbon disulfide	0.000840	B J	0.0000962	0.00100	1	06/23/2020 03:48	WG1497257
Carbon tetrachloride	U		0.000128	0.00100	1	06/25/2020 06:14	WG1498558
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 03:48	WG1497257
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 03:48	WG1497257
Chloroethane	U		0.000192	0.00500	1	06/23/2020 03:48	WG1497257
Chloroform	U		0.000111	0.00500	1	06/23/2020 03:48	WG1497257
Chloromethane	U		0.000960	0.00250	1	06/23/2020 03:48	WG1497257
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 03:48	WG1497257
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 03:48	WG1497257
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 03:48	WG1497257
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 03:48	WG1497257
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 03:48	WG1497257
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 03:48	WG1497257
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 03:48	WG1497257
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 03:48	WG1497257
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 03:48	WG1497257
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 03:48	WG1497257
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 03:48	WG1497257
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 03:48	WG1497257
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 03:48	WG1497257
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 03:48	WG1497257
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 03:48	WG1497257
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 03:48	WG1497257

Received by OCD: 11/22/2022 9:46:04 AM

RA-1130
Collected date/time: 06/17/20 15:50
L1231128

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Methyl tert-butyl ether	0.00948		0.000101	0.00100	1	06/23/2020 03:48	WG1497257
Naphthalene	U		0.00100	0.00500	1	06/23/2020 03:48	WG1497257
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 03:48	WG1497257
Styrene	U		0.000118	0.00100	1	06/23/2020 03:48	WG1497257
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 03:48	WG1497257
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 03:48	WG1497257
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 03:48	WG1497257
Toluene	U		0.000278	0.00100	1	06/23/2020 03:48	WG1497257
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 03:48	WG1497257
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 03:48	WG1497257
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 03:48	WG1497257
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 03:48	WG1497257
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 03:48	WG1497257
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 03:48	WG1497257
o-Xylene	U		0.000174	0.00100	1	06/23/2020 03:48	WG1497257
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 03:48	WG1497257
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 03:48	WG1497257
(S) Toluene-d8	*110*			*80.0-120*		*06/23/2020 03:48*	WG1497257
(S) Toluene-d8	*107*			*80.0-120*		*06/25/2020 06:14*	WG1498558
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/23/2020 03:48*	WG1497257
(S) 4-Bromofluorobenzene	*95.9*			*77.0-126*		*06/25/2020 06:14*	WG1498558
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*06/23/2020 03:48*	WG1497257
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*06/25/2020 06:14*	WG1498558

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

RA-5136
Collected date/time: 06/17/20 15:20

SAMPLE RESULTS - 10

L1231128

ONE LAB. NA[illegible]

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1250		5.64	20.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 16:44	WG1499266

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	280		3.79	10.0	10	06/26/2020 04:50	WG1498057
Fluoride	0.313		0.0640	0.150	1	06/26/2020 04:32	WG1498057
Sulfate	603		5.94	50.0	10	06/26/2020 04:50	WG1498057

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium	180		0.480	1.00	1	06/27/2020 20:06	WG1498749
Potassium	2.62		0.534	2.00	1	06/27/2020 20:06	WG1498749
Sodium	97.8		0.630	2.00	1	06/27/2020 20:06	WG1498749

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 04:08	WG1497257
Benzene	U		0.0000941	0.00100	1	06/23/2020 04:08	WG1497257
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 04:08	WG1497257
Bromoform	U		0.000129	0.00100	1	06/23/2020 04:08	WG1497257
Bromomethane	U		0.000605	0.00500	1	06/23/2020 04:08	WG1497257
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 04:08	WG1497257
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 04:08	WG1497257
Carbon disulfide	0.000520	B J	0.0000962	0.00100	1	06/23/2020 04:08	WG1497257
Carbon tetrachloride	U		0.000128	0.00100	1	06/25/2020 06:34	WG1498558
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 04:08	WG1497257
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 04:08	WG1497257
Chloroethane	U		0.000192	0.00500	1	06/23/2020 04:08	WG1497257
Chloroform	U		0.000111	0.00500	1	06/23/2020 04:08	WG1497257
Chloromethane	U		0.000960	0.00250	1	06/23/2020 04:08	WG1497257
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 04:08	WG1497257
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 04:08	WG1497257
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 04:08	WG1497257
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 04:08	WG1497257
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 04:08	WG1497257
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 04:08	WG1497257
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 04:08	WG1497257
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 04:08	WG1497257
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 04:08	WG1497257
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 04:08	WG1497257
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 04:08	WG1497257
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 04:08	WG1497257
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 04:08	WG1497257
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 04:08	WG1497257
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 04:08	WG1497257
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 04:08	WG1497257

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

RA-3156

SAMPLE RESULTS - 10

Collected date/time: 06/17/20 15:20

L1231128

ONE LAB. NA

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 04:08	WG1497257
Naphthalene	U		0.00100	0.00500	1	06/23/2020 04:08	WG1497257
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 04:08	WG1497257
Styrene	U		0.000118	0.00100	1	06/23/2020 04:08	WG1497257
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 04:08	WG1497257
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 04:08	WG1497257
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 04:08	WG1497257
Toluene	U		0.000278	0.00100	1	06/23/2020 04:08	WG1497257
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 04:08	WG1497257
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 04:08	WG1497257
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 04:08	WG1497257
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 04:08	WG1497257
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 04:08	WG1497257
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 04:08	WG1497257
o-Xylene	U		0.000174	0.00100	1	06/23/2020 04:08	WG1497257
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 04:08	WG1497257
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 04:08	WG1497257
(S) Toluene-d8	*111*			*80.0-120*		*06/23/2020 04:08*	WG1497257
(S) Toluene-d8	*107*			*80.0-120*		*06/25/2020 06:34*	WG1498558
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*06/23/2020 04:08*	WG1497257
(S) 4-Bromofluorobenzene	*94.9*			*77.0-126*		*06/25/2020 06:34*	WG1498558
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*06/23/2020 04:08*	WG1497257
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*06/25/2020 06:34*	WG1498558

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

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

RA-313
Collected date/time: 06/17/20 08:55

SAMPLE RESULTS - 11

L1231128

ONE LAB. NATIONWIDE.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1400		5.64	20.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.570		0.0500	0.100	1	06/29/2020 16:45	WG1499266

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	190		7.58	20.0	20	06/26/2020 05:25	WG1498057
Fluoride	0.898		0.0640	0.150	1	06/26/2020 05:08	WG1498057
Sulfate	635		11.9	100	20	06/26/2020 05:25	WG1498057

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium	221		0.480	1.00	1	06/27/2020 20:09	WG1498749
Potassium	1.66	J	0.534	2.00	1	06/27/2020 20:09	WG1498749
Sodium	99.9		0.630	2.00	1	06/27/2020 20:09	WG1498749

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 04:27	WG1497257
Benzene	U		0.0000941	0.00100	1	06/23/2020 04:27	WG1497257
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 04:27	WG1497257
Bromoform	U		0.000129	0.00100	1	06/23/2020 04:27	WG1497257
Bromomethane	U		0.000605	0.00500	1	06/23/2020 04:27	WG1497257
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 04:27	WG1497257
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 04:27	WG1497257
Carbon disulfide	0.000433	B J	0.0000962	0.00100	1	06/23/2020 04:27	WG1497257
Carbon tetrachloride	U		0.000128	0.00100	1	06/25/2020 07:23	WG1498717
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 04:27	WG1497257
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 04:27	WG1497257
Chloroethane	U		0.000192	0.00500	1	06/23/2020 04:27	WG1497257
Chloroform	U		0.000111	0.00500	1	06/23/2020 04:27	WG1497257
Chloromethane	U		0.000960	0.00250	1	06/23/2020 04:27	WG1497257
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 04:27	WG1497257
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 04:27	WG1497257
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 04:27	WG1497257
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 04:27	WG1497257
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 04:27	WG1497257
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 04:27	WG1497257
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 04:27	WG1497257
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 04:27	WG1497257
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 04:27	WG1497257
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 04:27	WG1497257
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 04:27	WG1497257
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 04:27	WG1497257
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 04:27	WG1497257
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 04:27	WG1497257
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 04:27	WG1497257
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 04:27	WG1497257

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

RA-313

SAMPLE RESULTS - 11

Collected date/time: 06/17/20 08:55

L1231128

ONE LAB. NATIONWIDE.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 04:27	WG1497257
Naphthalene	U		0.00100	0.00500	1	06/23/2020 04:27	WG1497257
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 04:27	WG1497257
Styrene	U		0.000118	0.00100	1	06/23/2020 04:27	WG1497257
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 04:27	WG1497257
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 04:27	WG1497257
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 04:27	WG1497257
Toluene	U		0.000278	0.00100	1	06/23/2020 04:27	WG1497257
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 04:27	WG1497257
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 04:27	WG1497257
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 04:27	WG1497257
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 04:27	WG1497257
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 04:27	WG1497257
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 04:27	WG1497257
o-Xylene	U		0.000174	0.00100	1	06/23/2020 04:27	WG1497257
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 04:27	WG1497257
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 04:27	WG1497257
(S) Toluene-d8	*115*			*80.0-120*		*06/23/2020 04:27*	WG1497257
(S) Toluene-d8	*102*			*80.0-120*		*06/25/2020 07:23*	WG1498717
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*06/23/2020 04:27*	WG1497257
(S) 4-Bromofluorobenzene	*93.8*			*77.0-126*		*06/25/2020 07:23*	WG1498717
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*06/23/2020 04:27*	WG1497257
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*06/25/2020 07:23*	WG1498717

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

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5600		28.2	100	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	16.0		0.500	1.00	10	06/29/2020 16:46	WG1499266

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	542		37.9	100	100	06/26/2020 06:01	WG1498057
Fluoride	1.14		0.0640	0.150	1	06/26/2020 05:43	WG1498057
Sulfate	2940		59.4	500	100	06/26/2020 06:01	WG1498057

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00326		0.000735	0.00200	1	06/27/2020 20:23	WG1498749
Arsenic,Dissolved	0.00314		0.000735	0.00200	1	06/25/2020 22:22	WG1498724
Barium	0.0158	J	0.00778	0.0200	1	06/27/2020 20:23	WG1498749
Barium,Dissolved	U		0.00778	0.0200	1	06/25/2020 22:22	WG1498724
Calcium	542		0.480	1.00	1	06/27/2020 20:23	WG1498749
Chromium	U		0.00149	0.00200	1	06/27/2020 20:23	WG1498749
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 22:22	WG1498724
Iron	0.203		0.0489	0.100	1	06/27/2020 20:23	WG1498749
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 22:22	WG1498724
Lead	U		0.00249	0.00500	1	06/27/2020 20:23	WG1498749
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 22:22	WG1498724
Manganese	0.0119		0.00132	0.00500	1	06/27/2020 20:23	WG1498749
Manganese,Dissolved	U		0.00132	0.00500	1	06/25/2020 22:22	WG1498724
Potassium	0.801	J	0.534	2.00	1	06/27/2020 20:23	WG1498749
Selenium	0.0221		0.000657	0.00200	1	06/27/2020 20:23	WG1498749
Selenium,Dissolved	0.0224		0.000657	0.00200	1	06/25/2020 22:22	WG1498724
Sodium	594		0.630	2.00	1	06/27/2020 20:23	WG1498749

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0425	J	0.0314	0.100	1	06/25/2020 18:36	WG1499077
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*06/25/2020 18:36*	WG1499077

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 04:47	WG1497257
Benzene	U		0.0000941	0.00100	1	06/23/2020 04:47	WG1497257
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 04:47	WG1497257
Bromoform	U		0.000129	0.00100	1	06/23/2020 04:47	WG1497257
Bromomethane	U		0.000605	0.00500	1	06/23/2020 04:47	WG1497257
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 04:47	WG1497257
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 04:47	WG1497257
Carbon disulfide	0.000301	B J	0.0000962	0.00100	1	06/23/2020 04:47	WG1497257
Carbon tetrachloride	U		0.000128	0.00100	1	06/25/2020 07:43	WG1498717

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 04:47	WG1497257
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 04:47	WG1497257
Chloroethane	U		0.000192	0.00500	1	06/23/2020 04:47	WG1497257
Chloroform	U		0.000111	0.00500	1	06/23/2020 04:47	WG1497257
Chloromethane	U		0.000960	0.00250	1	06/23/2020 04:47	WG1497257
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 04:47	WG1497257
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 04:47	WG1497257
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 04:47	WG1497257
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 04:47	WG1497257
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 04:47	WG1497257
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 04:47	WG1497257
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 04:47	WG1497257
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 04:47	WG1497257
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 04:47	WG1497257
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 04:47	WG1497257
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 04:47	WG1497257
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 04:47	WG1497257
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 04:47	WG1497257
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 04:47	WG1497257
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 04:47	WG1497257
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 04:47	WG1497257
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 04:47	WG1497257
Naphthalene	U		0.00100	0.00500	1	06/23/2020 04:47	WG1497257
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 04:47	WG1497257
Styrene	U		0.000118	0.00100	1	06/23/2020 04:47	WG1497257
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 04:47	WG1497257
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 04:47	WG1497257
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 04:47	WG1497257
Toluene	U		0.000278	0.00100	1	06/23/2020 04:47	WG1497257
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 04:47	WG1497257
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 04:47	WG1497257
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 04:47	WG1497257
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 04:47	WG1497257
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 04:47	WG1497257
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 04:47	WG1497257
o-Xylene	U		0.000174	0.00100	1	06/23/2020 04:47	WG1497257
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 04:47	WG1497257
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 04:47	WG1497257
(S) Toluene-d8	*107*			*80.0-120*		*06/23/2020 04:47*	WG1497257
(S) Toluene-d8	*101*			*80.0-120*		*06/25/2020 07:43*	WG1498717
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*06/23/2020 04:47*	WG1497257
(S) 4-Bromofluorobenzene	*92.6*			*77.0-126*		*06/25/2020 07:43*	WG1498717
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/23/2020 04:47*	WG1497257
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*06/25/2020 07:43*	WG1498717

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0380	J	0.0247	0.100	1	06/28/2020 01:16	WG1497076
(S) o-Terphenyl	*56.3*			*31.0-160*		*06/28/2020 01:16*	WG1497076

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4290		14.1	50.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	13.2		0.250	0.500	5	06/29/2020 16:47	WG1499266

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	06/27/2020 20:42	WG1500401

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	300		37.9	100	100	06/26/2020 07:13	WG1498057
Fluoride	1.62		0.0640	0.150	1	06/26/2020 06:19	WG1498057
Sulfate	2370		59.4	500	100	06/26/2020 07:13	WG1498057

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	06/23/2020 13:03	WG1496609
Mercury,Dissolved	U		0.000100	0.000200	1	06/22/2020 17:59	WG1496615

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.571		0.0254	0.200	1	06/25/2020 21:46	WG1498738
Boron,Dissolved	0.590		0.0254	0.200	1	06/25/2020 23:28	WG1498718

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00245		0.000735	0.00200	1	06/27/2020 20:26	WG1498749
Arsenic,Dissolved	0.00256		0.000735	0.00200	1	06/25/2020 22:25	WG1498724
Barium	0.0147	J	0.00778	0.0200	1	06/27/2020 20:26	WG1498749
Barium,Dissolved	0.0102	J	0.00778	0.0200	1	06/25/2020 22:25	WG1498724
Cadmium	U		0.000478	0.00100	1	06/27/2020 20:26	WG1498749
Cadmium,Dissolved	U		0.000478	0.00100	1	06/25/2020 22:25	WG1498724
Calcium	631		0.480	1.00	1	06/27/2020 20:26	WG1498749
Chromium	U		0.00149	0.00200	1	06/27/2020 20:26	WG1498749
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 22:25	WG1498724
Cobalt	0.000685	J	0.000477	0.00200	1	06/27/2020 20:26	WG1498749
Cobalt,Dissolved	U		0.000477	0.00200	1	06/25/2020 22:25	WG1498724
Iron	0.171		0.0489	0.100	1	06/27/2020 20:26	WG1498749
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 22:25	WG1498724
Lead	U		0.00249	0.00500	1	06/27/2020 20:26	WG1498749
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 22:25	WG1498724
Manganese	0.0352		0.00132	0.00500	1	06/27/2020 20:26	WG1498749
Manganese,Dissolved	0.00499	J	0.00132	0.00500	1	06/25/2020 22:25	WG1498724
Nickel	0.00183	J	0.000952	0.00200	1	06/27/2020 20:26	WG1498749
Nickel,Dissolved	0.00214		0.000952	0.00200	1	06/25/2020 22:25	WG1498724

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	2.53		0.534	2.00	1	06/27/2020 20:26	WG1498749
Selenium	0.00593		0.000657	0.00200	1	06/27/2020 20:26	WG1498749
Selenium,Dissolved	0.00481		0.000657	0.00200	1	06/25/2020 22:25	WG1498724
Sodium	139		0.630	2.00	1	06/27/2020 20:26	WG1498749
Uranium	0.0639		0.00754	0.0200	1	06/27/2020 20:26	WG1498749
Uranium,Dissolved	0.0624		0.00754	0.0200	1	06/25/2020 22:25	WG1498724
Vanadium	0.0161		0.000986	0.00500	1	06/27/2020 20:26	WG1498749
Vanadium,Dissolved	0.0174		0.000986	0.00500	1	06/25/2020 22:25	WG1498724

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.326	V3	0.0314	0.100	1	06/25/2020 18:59	WG1499077
(S) a,a,a-Trifluorotoluene(FID)	*124*	J1		*78.0-120*		*06/25/2020 18:59*	WG1499077

Sample Narrative:

L1231128-13 WG1499077: IS/SURR failure due to matrix interference.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 05:06	WG1497257
Benzene	U		0.0000941	0.00100	1	06/23/2020 05:06	WG1497257
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 05:06	WG1497257
Bromoform	U		0.000129	0.00100	1	06/23/2020 05:06	WG1497257
Bromomethane	U		0.000605	0.00500	1	06/23/2020 05:06	WG1497257
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 05:06	WG1497257
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 05:06	WG1497257
Carbon disulfide	0.000273	B J	0.0000962	0.00100	1	06/23/2020 05:06	WG1497257
Carbon tetrachloride	U		0.000128	0.00100	1	06/25/2020 08:03	WG1498717
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 05:06	WG1497257
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 05:06	WG1497257
Chloroethane	U		0.000192	0.00500	1	06/23/2020 05:06	WG1497257
Chloroform	U		0.000111	0.00500	1	06/23/2020 05:06	WG1497257
Chloromethane	U		0.000960	0.00250	1	06/23/2020 05:06	WG1497257
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 05:06	WG1497257
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 05:06	WG1497257
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 05:06	WG1497257
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 05:06	WG1497257
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 05:06	WG1497257
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 05:06	WG1497257
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 05:06	WG1497257
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 05:06	WG1497257
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 05:06	WG1497257
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 05:06	WG1497257
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 05:06	WG1497257
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 05:06	WG1497257
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 05:06	WG1497257
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 05:06	WG1497257
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 05:06	WG1497257
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 05:06	WG1497257
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 05:06	WG1497257
Naphthalene	U		0.00100	0.00500	1	06/23/2020 05:06	WG1497257
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 05:06	WG1497257
Styrene	U		0.000118	0.00100	1	06/23/2020 05:06	WG1497257

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 05:06	WG1497257
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 05:06	WG1497257
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 05:06	WG1497257
Toluene	U		0.000278	0.00100	1	06/23/2020 05:06	WG1497257
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 05:06	WG1497257
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 05:06	WG1497257
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 05:06	WG1497257
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 05:06	WG1497257
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 05:06	WG1497257
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 05:06	WG1497257
o-Xylene	U		0.000174	0.00100	1	06/23/2020 05:06	WG1497257
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 05:06	WG1497257
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 05:06	WG1497257
(S) Toluene-d8	*114*			*80.0-120*		*06/23/2020 05:06*	WG1497257
(S) Toluene-d8	*108*			*80.0-120*		*06/25/2020 08:03*	WG1498717
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*06/23/2020 05:06*	WG1497257
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*		*06/25/2020 08:03*	WG1498717
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*06/23/2020 05:06*	WG1497257
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*06/25/2020 08:03*	WG1498717

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0924	J	0.0247	0.100	1	06/28/2020 01:41	WG1497076
(S) o-Terphenyl	*63.2*			*31.0-160*		*06/28/2020 01:41*	WG1497076

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	4490		14.1	50.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	0.142		0.0500	0.100	1	06/29/2020 16:49	WG1499266

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	06/27/2020 20:44	WG1500401

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	271		37.9	100	100	06/26/2020 07:49	WG1498057
Fluoride	1.33		0.0640	0.150	1	06/26/2020 07:31	WG1498057
Sulfate	2600		59.4	500	100	06/26/2020 07:49	WG1498057

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/23/2020 13:06	WG1496609
Mercury,Dissolved	U		0.000100	0.000200	1	06/22/2020 18:01	WG1496615

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.723		0.0254	0.200	1	06/25/2020 21:49	WG1498738
Boron,Dissolved	0.756		0.0254	0.200	1	06/25/2020 23:31	WG1498718

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00334		0.000735	0.00200	1	06/27/2020 20:30	WG1498749
Arsenic,Dissolved	0.00362		0.000735	0.00200	1	06/25/2020 22:45	WG1498724
Barium	0.00826	J	0.00778	0.0200	1	06/27/2020 20:30	WG1498749
Barium,Dissolved	0.00833	J	0.00778	0.0200	1	06/25/2020 22:45	WG1498724
Cadmium	U		0.000478	0.00100	1	06/27/2020 20:30	WG1498749
Cadmium,Dissolved	U		0.000478	0.00100	1	06/25/2020 22:45	WG1498724
Calcium	465		0.480	1.00	1	06/27/2020 20:30	WG1498749
Chromium	U		0.00149	0.00200	1	06/27/2020 20:30	WG1498749
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 22:45	WG1498724
Cobalt	0.00315		0.000477	0.00200	1	06/27/2020 20:30	WG1498749
Cobalt,Dissolved	0.00291		0.000477	0.00200	1	06/25/2020 22:45	WG1498724
Iron	U		0.0489	0.100	1	06/27/2020 20:30	WG1498749
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 22:45	WG1498724
Lead	U		0.00249	0.00500	1	06/27/2020 20:30	WG1498749
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 22:45	WG1498724
Manganese	0.305		0.00132	0.00500	1	06/27/2020 20:30	WG1498749
Manganese,Dissolved	0.306		0.00132	0.00500	1	06/25/2020 22:45	WG1498724
Nickel	0.00630		0.000952	0.00200	1	06/27/2020 20:30	WG1498749
Nickel,Dissolved	0.00802		0.000952	0.00200	1	06/25/2020 22:45	WG1498724

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KWD-1A
Collected date/time: 06/17/20 10:00

SAMPLE RESULTS - 14

L1231128

ONE LAB. NA

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	0.854	J	0.534	2.00	1	06/27/2020 20:30	WG1498749
Selenium	U		0.000657	0.00200	1	06/27/2020 20:30	WG1498749
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 22:45	WG1498724
Sodium	234		0.630	2.00	1	06/27/2020 20:30	WG1498749
Uranium	0.0157	J	0.00754	0.0200	1	06/27/2020 20:30	WG1498749
Uranium,Dissolved	0.0150	J	0.00754	0.0200	1	06/25/2020 22:45	WG1498724
Vanadium	0.0230		0.000986	0.00500	1	06/27/2020 20:30	WG1498749
Vanadium,Dissolved	0.0241		0.000986	0.00500	1	06/25/2020 22:45	WG1498724

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 05:25	WG1497257
Benzene	U		0.0000941	0.00100	1	06/23/2020 05:25	WG1497257
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 05:25	WG1497257
Bromoform	U		0.000129	0.00100	1	06/23/2020 05:25	WG1497257
Bromomethane	U		0.000605	0.00500	1	06/23/2020 05:25	WG1497257
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 05:25	WG1497257
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 05:25	WG1497257
Carbon disulfide	0.000300	B J	0.0000962	0.00100	1	06/23/2020 05:25	WG1497257
Carbon tetrachloride	U		0.000128	0.00100	1	06/25/2020 08:23	WG1498717
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 05:25	WG1497257
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 05:25	WG1497257
Chloroethane	U		0.000192	0.00500	1	06/23/2020 05:25	WG1497257
Chloroform	U		0.000111	0.00500	1	06/23/2020 05:25	WG1497257
Chloromethane	U		0.000960	0.00250	1	06/23/2020 05:25	WG1497257
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 05:25	WG1497257
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 05:25	WG1497257
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 05:25	WG1497257
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 05:25	WG1497257
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 05:25	WG1497257
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 05:25	WG1497257
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 05:25	WG1497257
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 05:25	WG1497257
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 05:25	WG1497257
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 05:25	WG1497257
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 05:25	WG1497257
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 05:25	WG1497257
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 05:25	WG1497257
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 05:25	WG1497257
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 05:25	WG1497257
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 05:25	WG1497257
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 05:25	WG1497257
Naphthalene	U		0.00100	0.00500	1	06/23/2020 05:25	WG1497257
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 05:25	WG1497257
Styrene	U		0.000118	0.00100	1	06/23/2020 05:25	WG1497257
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 05:25	WG1497257
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 05:25	WG1497257
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 05:25	WG1497257
Toluene	U		0.000278	0.00100	1	06/23/2020 05:25	WG1497257
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 05:25	WG1497257
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 05:25	WG1497257
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 05:25	WG1497257
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 05:25	WG1497257
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 05:25	WG1497257
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 05:25	WG1497257

Released to Imaging: 11/22/2022 9:50:00 AM

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
o-Xylene	U		0.000174	0.00100	1	06/23/2020 05:25	WG1497257
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 05:25	WG1497257
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 05:25	WG1497257
(S) Toluene-d8	*107*			*80.0-120*		*06/23/2020 05:25*	WG1497257
(S) Toluene-d8	*100*			*80.0-120*		*06/25/2020 08:23*	WG1498717
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/23/2020 05:25*	WG1497257
(S) 4-Bromofluorobenzene	*89.4*			*77.0-126*		*06/25/2020 08:23*	WG1498717
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*06/23/2020 05:25*	WG1497257
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*06/25/2020 08:23*	WG1498717

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.123		0.0247	0.100	1	06/28/2020 02:07	WG1497076
(S) o-Terphenyl	*64.7*			*31.0-160*		*06/28/2020 02:07*	WG1497076

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	1970		14.1	50.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 16:50	WG1499266

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	409		3.79	10.0	10	06/26/2020 08:25	WG1498057
Fluoride	1.08		0.0640	0.150	1	06/26/2020 08:07	WG1498057
Sulfate	372		5.94	50.0	10	06/26/2020 08:25	WG1498057

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0183		0.000735	0.00200	1	06/27/2020 20:33	WG1498749
Arsenic,Dissolved	0.0170		0.000735	0.00200	1	06/25/2020 22:48	WG1498724
Barium	0.285		0.00778	0.0200	1	06/27/2020 20:33	WG1498749
Barium,Dissolved	0.167		0.00778	0.0200	1	06/25/2020 22:48	WG1498724
Calcium	251		0.480	1.00	1	06/27/2020 20:33	WG1498749
Chromium	0.00596		0.00149	0.00200	1	06/27/2020 20:33	WG1498749
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 22:48	WG1498724
Iron	9.23		0.0489	0.100	1	06/27/2020 20:33	WG1498749
Iron,Dissolved	5.34		0.0489	0.100	1	06/25/2020 22:48	WG1498724
Lead	0.00469	J	0.00249	0.00500	1	06/27/2020 20:33	WG1498749
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 22:48	WG1498724
Manganese	1.61		0.00132	0.00500	1	06/27/2020 20:33	WG1498749
Manganese,Dissolved	1.62		0.00132	0.00500	1	06/25/2020 22:48	WG1498724
Potassium	1.11	J	0.534	2.00	1	06/27/2020 20:33	WG1498749
Selenium	U		0.000657	0.00200	1	06/27/2020 20:33	WG1498749
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 22:48	WG1498724
Sodium	206		0.630	2.00	1	06/27/2020 20:33	WG1498749

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	3.86		0.0314	0.100	1	06/25/2020 08:29	WG1498490
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*		*06/25/2020 08:29*	WG1498490

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.282	1.25	25	06/23/2020 05:45	WG1497257
Benzene	0.439		0.00235	0.0250	25	06/23/2020 05:45	WG1497257
Bromodichloromethane	U		0.00340	0.0250	25	06/23/2020 05:45	WG1497257
Bromoform	U		0.00322	0.0250	25	06/23/2020 05:45	WG1497257
Bromomethane	U		0.0151	0.125	25	06/23/2020 05:45	WG1497257
n-Butylbenzene	U		0.00393	0.0250	25	06/23/2020 05:45	WG1497257
sec-Butylbenzene	U		0.00313	0.0250	25	06/23/2020 05:45	WG1497257
Carbon disulfide	0.00625	B J	0.00241	0.0250	25	06/23/2020 05:45	WG1497257
Carbon tetrachloride	U		0.00320	0.0250	25	06/25/2020 08:43	WG1498717

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.00290	0.0250	25	06/23/2020 05:45	WG1497257
Chlorodibromomethane	U		0.00350	0.0250	25	06/23/2020 05:45	WG1497257
Chloroethane	U		0.00480	0.125	25	06/23/2020 05:45	WG1497257
Chloroform	U		0.00278	0.125	25	06/23/2020 05:45	WG1497257
Chloromethane	U		0.0240	0.0625	25	06/23/2020 05:45	WG1497257
1,2-Dibromoethane	U		0.00315	0.0250	25	06/23/2020 05:45	WG1497257
1,1-Dichloroethane	U		0.00250	0.0250	25	06/23/2020 05:45	WG1497257
1,2-Dichloroethane	U		0.00205	0.0250	25	06/23/2020 05:45	WG1497257
1,1-Dichloroethene	U		0.00470	0.0250	25	06/23/2020 05:45	WG1497257
cis-1,2-Dichloroethene	U		0.00315	0.0250	25	06/23/2020 05:45	WG1497257
trans-1,2-Dichloroethene	U		0.00373	0.0250	25	06/23/2020 05:45	WG1497257
1,2-Dichloropropane	U		0.00373	0.0250	25	06/23/2020 05:45	WG1497257
cis-1,3-Dichloropropene	U		0.00278	0.0250	25	06/23/2020 05:45	WG1497257
trans-1,3-Dichloropropene	U		0.00295	0.0250	25	06/23/2020 05:45	WG1497257
Ethylbenzene	0.0408		0.00343	0.0250	25	06/23/2020 05:45	WG1497257
Isopropylbenzene	0.00406	J	0.00263	0.0250	25	06/23/2020 05:45	WG1497257
p-Isopropyltoluene	U		0.00300	0.0250	25	06/23/2020 05:45	WG1497257
2-Butanone (MEK)	U		0.0298	0.250	25	06/23/2020 05:45	WG1497257
2-Hexanone	U		0.0197	0.250	25	06/23/2020 05:45	WG1497257
Methylene Chloride	U		0.0107	0.125	25	06/23/2020 05:45	WG1497257
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.250	25	06/23/2020 05:45	WG1497257
Methyl tert-butyl ether	1.30		0.00253	0.0250	25	06/23/2020 05:45	WG1497257
Naphthalene	U		0.0250	0.125	25	06/23/2020 05:45	WG1497257
n-Propylbenzene	0.00411	J	0.00248	0.0250	25	06/23/2020 05:45	WG1497257
Styrene	U		0.00295	0.0250	25	06/23/2020 05:45	WG1497257
1,1,1,2-Tetrachloroethane	U		0.00368	0.0250	25	06/23/2020 05:45	WG1497257
1,1,2,2-Tetrachloroethane	U		0.00333	0.0250	25	06/23/2020 05:45	WG1497257
Tetrachloroethene	U		0.00750	0.0250	25	06/23/2020 05:45	WG1497257
Toluene	U		0.00695	0.0250	25	06/23/2020 05:45	WG1497257
1,1,1-Trichloroethane	U		0.00373	0.0250	25	06/23/2020 05:45	WG1497257
1,1,2-Trichloroethane	U		0.00395	0.0250	25	06/23/2020 05:45	WG1497257
Trichloroethene	U		0.00475	0.0250	25	06/23/2020 05:45	WG1497257
1,2,4-Trimethylbenzene	0.0135	J	0.00805	0.0250	25	06/23/2020 05:45	WG1497257
1,3,5-Trimethylbenzene	0.00436	J	0.00260	0.0250	25	06/23/2020 05:45	WG1497257
Vinyl chloride	U		0.00585	0.0250	25	06/23/2020 05:45	WG1497257
o-Xylene	U		0.00435	0.0250	25	06/23/2020 05:45	WG1497257
m&p-Xylene	0.0148	J	0.0107	0.0500	25	06/23/2020 05:45	WG1497257
Xylenes, Total	0.0148	J	0.00435	0.0750	25	06/23/2020 05:45	WG1497257
(S) Toluene-d8	*106*			*80.0-120*		*06/23/2020 05:45*	WG1497257
(S) Toluene-d8	*99.0*			*80.0-120*		*06/25/2020 08:43*	WG1498717
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/23/2020 05:45*	WG1497257
(S) 4-Bromofluorobenzene	*92.1*			*77.0-126*		*06/25/2020 08:43*	WG1498717
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/23/2020 05:45*	WG1497257
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*06/25/2020 08:43*	WG1498717

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.77		0.0247	0.100	1	06/28/2020 02:33	WG1497076
(S) o-Terphenyl	*92.6*			*31.0-160*		*06/28/2020 02:33*	WG1497076

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1710		7.05	25.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.500	1.00	10	06/29/2020 16:52	WG1499266

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	232		3.79	10.0	10	06/26/2020 09:36	WG1498057
Fluoride	0.778		0.0640	0.150	1	06/26/2020 08:43	WG1498057
Sulfate	446		5.94	50.0	10	06/26/2020 09:36	WG1498057

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00356		0.000735	0.00200	1	06/27/2020 20:36	WG1498749
Arsenic,Dissolved	0.00328		0.000735	0.00200	1	06/25/2020 22:52	WG1498724
Barium	0.0676		0.00778	0.0200	1	06/27/2020 20:36	WG1498749
Barium,Dissolved	0.0680		0.00778	0.0200	1	06/25/2020 22:52	WG1498724
Calcium	201		0.480	1.00	1	06/27/2020 20:36	WG1498749
Chromium	U		0.00149	0.00200	1	06/27/2020 20:36	WG1498749
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 22:52	WG1498724
Iron	0.238		0.0489	0.100	1	06/27/2020 20:36	WG1498749
Iron,Dissolved	U		0.0489	0.100	1	06/25/2020 22:52	WG1498724
Lead	U		0.00249	0.00500	1	06/27/2020 20:36	WG1498749
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 22:52	WG1498724
Manganese	0.133		0.00132	0.00500	1	06/27/2020 20:36	WG1498749
Manganese,Dissolved	0.124		0.00132	0.00500	1	06/25/2020 22:52	WG1498724
Potassium	1.13	J	0.534	2.00	1	06/27/2020 20:36	WG1498749
Selenium	U		0.000657	0.00200	1	06/27/2020 20:36	WG1498749
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 22:52	WG1498724
Sodium	130		0.630	2.00	1	06/27/2020 20:36	WG1498749

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 06:04	WG1497257
Benzene	0.0184		0.0000941	0.00100	1	06/23/2020 06:04	WG1497257
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 06:04	WG1497257
Bromoform	U		0.000129	0.00100	1	06/23/2020 06:04	WG1497257
Bromomethane	U		0.000605	0.00500	1	06/23/2020 06:04	WG1497257
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 06:04	WG1497257
sec-Butylbenzene	0.00611		0.000125	0.00100	1	06/23/2020 06:04	WG1497257
Carbon disulfide	0.00108	B	0.0000962	0.00100	1	06/23/2020 06:04	WG1497257
Carbon tetrachloride	U		0.000128	0.00100	1	06/25/2020 09:02	WG1498717
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 06:04	WG1497257
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 06:04	WG1497257
Chloroethane	U		0.000192	0.00500	1	06/23/2020 06:04	WG1497257
Chloroform	U		0.000111	0.00500	1	06/23/2020 06:04	WG1497257
Chloromethane	U		0.000960	0.00250	1	06/23/2020 06:04	WG1497257
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 06:04	WG1497257
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 06:04	WG1497257

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 06:04	WG1497257
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 06:04	WG1497257
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 06:04	WG1497257
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 06:04	WG1497257
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 06:04	WG1497257
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 06:04	WG1497257
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 06:04	WG1497257
Ethylbenzene	0.00185		0.000137	0.00100	1	06/23/2020 06:04	WG1497257
Isopropylbenzene	0.0254		0.000105	0.00100	1	06/23/2020 06:04	WG1497257
p-Isopropyltoluene	0.000341	J	0.000120	0.00100	1	06/23/2020 06:04	WG1497257
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 06:04	WG1497257
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 06:04	WG1497257
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 06:04	WG1497257
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 06:04	WG1497257
Methyl tert-butyl ether	0.0727		0.000101	0.00100	1	06/23/2020 06:04	WG1497257
Naphthalene	U		0.00100	0.00500	1	06/23/2020 06:04	WG1497257
n-Propylbenzene	0.00881		0.0000993	0.00100	1	06/23/2020 06:04	WG1497257
Styrene	U		0.000118	0.00100	1	06/23/2020 06:04	WG1497257
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 06:04	WG1497257
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 06:04	WG1497257
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 06:04	WG1497257
Toluene	0.00557		0.000278	0.00100	1	06/23/2020 06:04	WG1497257
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 06:04	WG1497257
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 06:04	WG1497257
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 06:04	WG1497257
1,2,4-Trimethylbenzene	0.000958	J	0.000322	0.00100	1	06/23/2020 06:04	WG1497257
1,3,5-Trimethylbenzene	0.000329	J	0.000104	0.00100	1	06/23/2020 06:04	WG1497257
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 06:04	WG1497257
o-Xylene	0.00105		0.000174	0.00100	1	06/23/2020 06:04	WG1497257
m&p-Xylene	0.00270		0.000430	0.00200	1	06/23/2020 06:04	WG1497257
Xylenes, Total	0.00375		0.000174	0.00300	1	06/23/2020 06:04	WG1497257
(S) Toluene-d8	*112*			*80.0-120*		*06/23/2020 06:04*	WG1497257
(S) Toluene-d8	*94.8*			*80.0-120*		*06/25/2020 09:02*	WG1498717
(S) 4-Bromofluorobenzene	*126*			*77.0-126*		*06/23/2020 06:04*	WG1497257
(S) 4-Bromofluorobenzene	*90.6*			*77.0-126*		*06/25/2020 09:02*	WG1498717
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*06/23/2020 06:04*	WG1497257
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*06/25/2020 09:02*	WG1498717

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.63		0.0247	0.100	1	06/28/2020 02:58	WG1497076
(S) o-Terphenyl	*91.1*			*31.0-160*		*06/28/2020 02:58*	WG1497076

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	727		3.75	13.3	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 16:57	WG1499266

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	73.2		0.379	1.00	1	06/26/2020 09:54	WG1498057
Fluoride	0.323		0.0640	0.150	1	06/26/2020 09:54	WG1498057
Sulfate	109		2.97	25.0	5	06/26/2020 10:48	WG1498057

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00301		0.000735	0.00200	1	06/27/2020 20:40	WG1498749
Arsenic,Dissolved	0.00295		0.000735	0.00200	1	06/25/2020 22:55	WG1498724
Barium	0.209		0.00778	0.0200	1	06/27/2020 20:40	WG1498749
Barium,Dissolved	0.207		0.00778	0.0200	1	06/25/2020 22:55	WG1498724
Calcium	138		0.480	1.00	1	06/27/2020 20:40	WG1498749
Chromium	0.00275		0.00149	0.00200	1	06/27/2020 20:40	WG1498749
Chromium,Dissolved	0.00258		0.00149	0.00200	1	06/25/2020 22:55	WG1498724
Iron	0.168		0.0489	0.100	1	06/27/2020 20:40	WG1498749
Iron,Dissolved	0.169		0.0489	0.100	1	06/25/2020 22:55	WG1498724
Lead	U		0.00249	0.00500	1	06/27/2020 20:40	WG1498749
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 22:55	WG1498724
Manganese	0.229		0.00132	0.00500	1	06/27/2020 20:40	WG1498749
Manganese,Dissolved	0.227		0.00132	0.00500	1	06/25/2020 22:55	WG1498724
Potassium	7.77		0.534	2.00	1	06/27/2020 20:40	WG1498749
Selenium	U		0.000657	0.00200	1	06/27/2020 20:40	WG1498749
Selenium,Dissolved	0.000815	J	0.000657	0.00200	1	06/25/2020 22:55	WG1498724
Sodium	60.7		0.630	2.00	1	06/27/2020 20:40	WG1498749

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	3.97		0.0314	0.100	1	06/25/2020 08:52	WG1498490
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*06/25/2020 08:52*	WG1498490

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.113	0.500	10	06/25/2020 09:22	WG1498717
Benzene	0.414		0.000941	0.0100	10	06/25/2020 09:22	WG1498717
Bromodichloromethane	U		0.00136	0.0100	10	06/25/2020 09:22	WG1498717
Bromoform	U		0.00129	0.0100	10	06/25/2020 09:22	WG1498717
Bromomethane	U		0.00605	0.0500	10	06/25/2020 09:22	WG1498717
n-Butylbenzene	0.00233	J	0.00157	0.0100	10	06/25/2020 09:22	WG1498717
sec-Butylbenzene	0.00426	J	0.00125	0.0100	10	06/25/2020 09:22	WG1498717
Carbon disulfide	0.0193		0.000962	0.0100	10	06/25/2020 09:22	WG1498717
Carbon tetrachloride	U		0.00128	0.0100	10	06/25/2020 09:22	WG1498717

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.00116	0.0100	10	06/25/2020 09:22	WG1498717
Chlorodibromomethane	U		0.00140	0.0100	10	06/25/2020 09:22	WG1498717
Chloroethane	U		0.00192	0.0500	10	06/25/2020 09:22	WG1498717
Chloroform	U		0.00111	0.0500	10	06/25/2020 09:22	WG1498717
Chloromethane	U		0.00960	0.0250	10	06/25/2020 09:22	WG1498717
1,2-Dibromoethane	U		0.00126	0.0100	10	06/25/2020 09:22	WG1498717
1,1-Dichloroethane	U		0.00100	0.0100	10	06/25/2020 09:22	WG1498717
1,2-Dichloroethane	U		0.000819	0.0100	10	06/25/2020 09:22	WG1498717
1,1-Dichloroethene	U		0.00188	0.0100	10	06/25/2020 09:22	WG1498717
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	06/25/2020 09:22	WG1498717
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	06/25/2020 09:22	WG1498717
1,2-Dichloropropane	U		0.00149	0.0100	10	06/25/2020 09:22	WG1498717
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	06/25/2020 09:22	WG1498717
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	06/25/2020 09:22	WG1498717
Ethylbenzene	0.0866		0.00137	0.0100	10	06/25/2020 09:22	WG1498717
Isopropylbenzene	0.0139		0.00105	0.0100	10	06/25/2020 09:22	WG1498717
p-Isopropyltoluene	0.00193	J	0.00120	0.0100	10	06/25/2020 09:22	WG1498717
2-Butanone (MEK)	U		0.0119	0.100	10	06/25/2020 09:22	WG1498717
2-Hexanone	U		0.00787	0.100	10	06/25/2020 09:22	WG1498717
Methylene Chloride	U		0.00430	0.0500	10	06/25/2020 09:22	WG1498717
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	06/25/2020 09:22	WG1498717
Methyl tert-butyl ether	0.379		0.00101	0.0100	10	06/25/2020 09:22	WG1498717
Naphthalene	U		0.0100	0.0500	10	06/25/2020 09:22	WG1498717
n-Propylbenzene	0.0249		0.000993	0.0100	10	06/25/2020 09:22	WG1498717
Styrene	U		0.00118	0.0100	10	06/25/2020 09:22	WG1498717
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	06/25/2020 09:22	WG1498717
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	06/25/2020 09:22	WG1498717
Tetrachloroethene	U		0.00300	0.0100	10	06/25/2020 09:22	WG1498717
Toluene	0.00330	J	0.00278	0.0100	10	06/25/2020 09:22	WG1498717
1,1,1-Trichloroethane	U		0.00149	0.0100	10	06/25/2020 09:22	WG1498717
1,1,2-Trichloroethane	U		0.00158	0.0100	10	06/25/2020 09:22	WG1498717
Trichloroethene	U		0.00190	0.0100	10	06/25/2020 09:22	WG1498717
1,2,4-Trimethylbenzene	0.149		0.00322	0.0100	10	06/25/2020 09:22	WG1498717
1,3,5-Trimethylbenzene	U		0.00104	0.0100	10	06/25/2020 09:22	WG1498717
Vinyl chloride	U		0.00234	0.0100	10	06/25/2020 09:22	WG1498717
o-Xylene	0.00630	J	0.00174	0.0100	10	06/25/2020 09:22	WG1498717
m&p-Xylene	0.0721		0.00430	0.0200	10	06/25/2020 09:22	WG1498717
Xylenes, Total	0.0784		0.00174	0.0300	10	06/25/2020 09:22	WG1498717
(S) Toluene-d8	*101*			*80.0-120*		*06/25/2020 09:22*	WG1498717
(S) 4-Bromofluorobenzene	*94.2*			*77.0-126*		*06/25/2020 09:22*	WG1498717
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/25/2020 09:22*	WG1498717

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.19		0.123	0.500	5	06/28/2020 03:24	WG1497076
(S) o-Terphenyl	*90.5*			*31.0-160*		*06/28/2020 03:24*	WG1497076

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	1070		5.64	20.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	0.0979	J	0.0500	0.100	1	06/29/2020 17:00	WG1499266

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	06/27/2020 20:45	WG1500401

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	188		1.90	5.00	5	06/26/2020 11:42	WG1498057
Fluoride	1.13		0.0640	0.150	1	06/26/2020 11:06	WG1498057
Sulfate	1.16	J	0.594	5.00	1	06/26/2020 11:06	WG1498057

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/23/2020 13:08	WG1496609
Mercury,Dissolved	U		0.000100	0.000200	1	06/22/2020 18:26	WG1496615

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.250		0.0254	0.200	1	06/25/2020 21:51	WG1498738
Boron,Dissolved	0.263		0.0254	0.200	1	06/25/2020 23:34	WG1498718

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00235		0.000735	0.00200	1	06/27/2020 20:43	WG1498749
Arsenic,Dissolved	0.00213		0.000735	0.00200	1	06/25/2020 22:59	WG1498724
Barium	1.99		0.00778	0.0200	1	06/27/2020 20:43	WG1498749
Barium,Dissolved	1.92		0.00778	0.0200	1	06/25/2020 22:59	WG1498724
Cadmium	U		0.000478	0.00100	1	06/27/2020 20:43	WG1498749
Cadmium,Dissolved	U		0.000478	0.00100	1	06/25/2020 22:59	WG1498724
Calcium	136		0.480	1.00	1	06/27/2020 20:43	WG1498749
Chromium	U		0.00149	0.00200	1	06/27/2020 20:43	WG1498749
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 22:59	WG1498724
Cobalt	U		0.000477	0.00200	1	06/27/2020 20:43	WG1498749
Cobalt,Dissolved	U		0.000477	0.00200	1	06/25/2020 22:59	WG1498724
Iron	0.748		0.0489	0.100	1	06/27/2020 20:43	WG1498749
Iron,Dissolved	0.615		0.0489	0.100	1	06/25/2020 22:59	WG1498724
Lead	U		0.00249	0.00500	1	06/27/2020 20:43	WG1498749
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 22:59	WG1498724
Manganese	0.306		0.00132	0.00500	1	06/27/2020 20:43	WG1498749
Manganese,Dissolved	0.303		0.00132	0.00500	1	06/25/2020 22:59	WG1498724
Nickel	0.00565		0.000952	0.00200	1	06/27/2020 20:43	WG1498749
Nickel,Dissolved	0.00624		0.000952	0.00200	1	06/25/2020 22:59	WG1498724

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	0.842	J	0.534	2.00	1	06/27/2020 20:43	WG1498749
Selenium	U		0.000657	0.00200	1	06/27/2020 20:43	WG1498749
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 22:59	WG1498724
Sodium	155		0.630	2.00	1	06/27/2020 20:43	WG1498749
Uranium	U		0.00754	0.0200	1	06/27/2020 20:43	WG1498749
Uranium,Dissolved	U		0.00754	0.0200	1	06/25/2020 22:59	WG1498724
Vanadium	U		0.000986	0.00500	1	06/27/2020 20:43	WG1498749
Vanadium,Dissolved	0.00117	J	0.000986	0.00500	1	06/25/2020 22:59	WG1498724

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	8.44		0.0314	0.100	1	06/25/2020 09:15	WG1498490
(S) a,a,a-Trifluorotoluene(FID)	*93.5*			*78.0-120*		*06/25/2020 09:15*	WG1498490

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 02:05	WG1497261
Benzene	1.18		0.000941	0.0100	10	06/26/2020 00:28	WG1499394
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 02:05	WG1497261
Bromoform	U		0.000129	0.00100	1	06/23/2020 02:05	WG1497261
Bromomethane	U		0.000605	0.00500	1	06/23/2020 02:05	WG1497261
n-Butylbenzene	0.00824	J4	0.000157	0.00100	1	06/23/2020 02:05	WG1497261
sec-Butylbenzene	0.00857		0.000125	0.00100	1	06/23/2020 02:05	WG1497261
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 02:05	WG1497261
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 02:05	WG1497261
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 02:05	WG1497261
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 02:05	WG1497261
Chloroethane	U		0.000192	0.00500	1	06/23/2020 02:05	WG1497261
Chloroform	U		0.000111	0.00500	1	06/23/2020 02:05	WG1497261
Chloromethane	U		0.000960	0.00250	1	06/23/2020 02:05	WG1497261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 02:05	WG1497261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 02:05	WG1497261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 02:05	WG1497261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 02:05	WG1497261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 02:05	WG1497261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 02:05	WG1497261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 02:05	WG1497261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 02:05	WG1497261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 02:05	WG1497261
Ethylbenzene	0.00717		0.000137	0.00100	1	06/23/2020 02:05	WG1497261
Isopropylbenzene	0.0552		0.000105	0.00100	1	06/23/2020 02:05	WG1497261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 02:05	WG1497261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 02:05	WG1497261
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 02:05	WG1497261
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 02:05	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 02:05	WG1497261
Methyl tert-butyl ether	1.62		0.00101	0.0100	10	06/26/2020 00:28	WG1499394
Naphthalene	0.167		0.00100	0.00500	1	06/23/2020 02:05	WG1497261
n-Propylbenzene	0.0851		0.0000993	0.00100	1	06/23/2020 02:05	WG1497261
Styrene	U		0.000118	0.00100	1	06/23/2020 02:05	WG1497261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 02:05	WG1497261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 02:05	WG1497261
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 02:05	WG1497261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Toluene	0.00581		0.000278	0.00100	1	06/23/2020 02:05	WG1497261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 02:05	WG1497261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 02:05	WG1497261
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 02:05	WG1497261
1,2,4-Trimethylbenzene	0.000705	J	0.000322	0.00100	1	06/23/2020 02:05	WG1497261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 02:05	WG1497261
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 02:05	WG1497261
o-Xylene	0.00239		0.000174	0.00100	1	06/23/2020 02:05	WG1497261
m&p-Xylene	0.0121		0.000430	0.00200	1	06/23/2020 02:05	WG1497261
Xylenes, Total	0.0145		0.000174	0.00300	1	06/23/2020 02:05	WG1497261
(S) Toluene-d8	*95.4*			*80.0-120*		*06/23/2020 02:05*	WG1497261
(S) Toluene-d8	*109*			*80.0-120*		*06/26/2020 00:28*	WG1499394
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/23/2020 02:05*	WG1497261
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/26/2020 00:28*	WG1499394
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*06/23/2020 02:05*	WG1497261
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/26/2020 00:28*	WG1499394

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.19		0.123	0.500	5	06/29/2020 08:11	WG1497082
(S) o-Terphenyl	*71.1*			*31.0-160*		*06/29/2020 08:11*	WG1497082

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2610		14.1	50.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.250	0.500	5	06/29/2020 17:01	WG1499266

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.0360	0.100	20	06/27/2020 20:46	WG1500401

Sample Narrative:

L1231128-19 WG1500401: Diluted due to sulfide.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	149		1.90	5.00	5	06/26/2020 12:18	WG1498057
Fluoride	1.10		0.320	0.750	5	06/26/2020 12:18	WG1498057
Sulfate	1310		59.4	500	100	06/26/2020 12:35	WG1498057

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U	J6	0.000100	0.000200	1	06/23/2020 21:41	WG1496610
Mercury,Dissolved	U		0.000100	0.000200	1	06/22/2020 18:28	WG1496615

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	1.32		0.0254	0.200	1	06/25/2020 21:54	WG1498738
Boron,Dissolved	1.35		0.0254	0.200	1	06/26/2020 08:09	WG1498719

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00705		0.000735	0.00200	1	06/27/2020 20:47	WG1498749
Arsenic,Dissolved	0.00684		0.000735	0.00200	1	06/25/2020 23:02	WG1498724
Barium	0.0449		0.00778	0.0200	1	06/27/2020 20:47	WG1498749
Barium,Dissolved	0.0421		0.00778	0.0200	1	06/25/2020 23:02	WG1498724
Cadmium	U		0.000478	0.00100	1	06/27/2020 20:47	WG1498749
Cadmium,Dissolved	U		0.000478	0.00100	1	06/25/2020 23:02	WG1498724
Calcium	285		0.480	1.00	1	06/27/2020 20:47	WG1498749
Chromium	U		0.00149	0.00200	1	06/27/2020 20:47	WG1498749
Chromium,Dissolved	U		0.00149	0.00200	1	06/25/2020 23:02	WG1498724
Cobalt	0.000802	J	0.000477	0.00200	1	06/27/2020 20:47	WG1498749
Cobalt,Dissolved	U		0.000477	0.00200	1	06/25/2020 23:02	WG1498724
Iron	0.122		0.0489	0.100	1	06/27/2020 20:47	WG1498749
Iron,Dissolved	0.0711	J	0.0489	0.100	1	06/25/2020 23:02	WG1498724
Lead	0.0117		0.00249	0.00500	1	06/27/2020 20:47	WG1498749
Lead,Dissolved	U		0.00249	0.00500	1	06/25/2020 23:02	WG1498724
Manganese	0.708		0.00132	0.00500	1	06/27/2020 20:47	WG1498749

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Manganese,Dissolved	0.743		0.00132	0.00500	1	06/25/2020 23:02	WG1498724
Nickel	0.00624		0.000952	0.00200	1	06/27/2020 20:47	WG1498749
Nickel,Dissolved	0.00559		0.000952	0.00200	1	06/25/2020 23:02	WG1498724
Potassium	4.23		0.534	2.00	1	06/27/2020 20:47	WG1498749
Selenium	U		0.000657	0.00200	1	06/27/2020 20:47	WG1498749
Selenium,Dissolved	U		0.000657	0.00200	1	06/25/2020 23:02	WG1498724
Sodium	109		0.630	2.00	1	06/27/2020 20:47	WG1498749
Uranium	U		0.00754	0.0200	1	06/27/2020 20:47	WG1498749
Uranium,Dissolved	U		0.00754	0.0200	1	06/25/2020 23:02	WG1498724
Vanadium	0.00364	J	0.000986	0.00500	1	06/27/2020 20:47	WG1498749
Vanadium,Dissolved	0.00388	J	0.000986	0.00500	1	06/25/2020 23:02	WG1498724

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	3.94	V3	0.0314	0.100	1	06/25/2020 19:22	WG1499077
(S) a,a,a-Trifluorotoluene(FID)	*94.0*			*78.0-120*		*06/25/2020 19:22*	WG1499077

Sample Narrative:

L1231128-19 WG1499077: IS/SURR failure due to matrix interference. No more pristines to re-run.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0565	0.250	5	06/26/2020 00:48	WG1499394
Benzene	0.397		0.000471	0.00500	5	06/26/2020 00:48	WG1499394
Bromodichloromethane	U		0.000680	0.00500	5	06/26/2020 00:48	WG1499394
Bromoform	U		0.000645	0.00500	5	06/26/2020 00:48	WG1499394
Bromomethane	U		0.00303	0.0250	5	06/26/2020 00:48	WG1499394
n-Butylbenzene	0.00113	J	0.000785	0.00500	5	06/26/2020 00:48	WG1499394
sec-Butylbenzene	0.00221	J	0.000625	0.00500	5	06/26/2020 00:48	WG1499394
Carbon disulfide	0.000607	J	0.000481	0.00500	5	06/26/2020 00:48	WG1499394
Carbon tetrachloride	U		0.000640	0.00500	5	06/26/2020 00:48	WG1499394
Chlorobenzene	U	J4	0.000580	0.00500	5	06/26/2020 00:48	WG1499394
Chlorodibromomethane	U		0.000700	0.00500	5	06/26/2020 00:48	WG1499394
Chloroethane	U		0.000960	0.0250	5	06/26/2020 00:48	WG1499394
Chloroform	0.00390	J	0.000555	0.0250	5	06/26/2020 00:48	WG1499394
Chloromethane	U		0.00480	0.0125	5	06/26/2020 00:48	WG1499394
1,2-Dibromoethane	U		0.000630	0.00500	5	06/26/2020 00:48	WG1499394
1,1-Dichloroethane	U		0.000500	0.00500	5	06/26/2020 00:48	WG1499394
1,2-Dichloroethane	U		0.000409	0.00500	5	06/26/2020 00:48	WG1499394
1,1-Dichloroethene	U		0.000940	0.00500	5	06/26/2020 00:48	WG1499394
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	06/26/2020 00:48	WG1499394
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	06/26/2020 00:48	WG1499394
1,2-Dichloropropane	U		0.000745	0.00500	5	06/26/2020 00:48	WG1499394
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	06/26/2020 00:48	WG1499394
trans-1,3-Dichloropropene	U		0.000590	0.00500	5	06/26/2020 00:48	WG1499394
Ethylbenzene	0.0201		0.000685	0.00500	5	06/26/2020 00:48	WG1499394
Isopropylbenzene	0.0246		0.000525	0.00500	5	06/26/2020 00:48	WG1499394
p-Isopropyltoluene	0.00154	J	0.000600	0.00500	5	06/26/2020 00:48	WG1499394
2-Butanone (MEK)	U		0.00595	0.0500	5	06/26/2020 00:48	WG1499394
2-Hexanone	U		0.00394	0.0500	5	06/26/2020 00:48	WG1499394
Methylene Chloride	U		0.00215	0.0250	5	06/26/2020 00:48	WG1499394
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	06/26/2020 00:48	WG1499394
Methyl tert-butyl ether	0.194		0.000505	0.00500	5	06/26/2020 00:48	WG1499394

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Received by OCD: 11/22/2022 9:46:04 AM

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Collected date/time: 06/17/20 13:40
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Naphthalene	0.0157	J	0.00500	0.0250	5	06/26/2020 00:48	WG1499394
n-Propylbenzene	0.0241		0.000497	0.00500	5	06/26/2020 00:48	WG1499394
Styrene	U		0.000590	0.00500	5	06/26/2020 00:48	WG1499394
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	06/26/2020 00:48	WG1499394
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	06/26/2020 00:48	WG1499394
Tetrachloroethene	U	J4	0.00150	0.00500	5	06/26/2020 00:48	WG1499394
Toluene	0.0126		0.00139	0.00500	5	06/26/2020 00:48	WG1499394
1,1,1-Trichloroethane	U		0.000745	0.00500	5	06/26/2020 00:48	WG1499394
1,1,2-Trichloroethane	U		0.000790	0.00500	5	06/26/2020 00:48	WG1499394
Trichloroethene	U		0.000950	0.00500	5	06/26/2020 00:48	WG1499394
1,2,4-Trimethylbenzene	0.0527		0.00161	0.00500	5	06/26/2020 00:48	WG1499394
1,3,5-Trimethylbenzene	U		0.000520	0.00500	5	06/26/2020 00:48	WG1499394
Vinyl chloride	U		0.00117	0.00500	5	06/26/2020 00:48	WG1499394
o-Xylene	0.00154	J	0.000870	0.00500	5	06/26/2020 00:48	WG1499394
m&p-Xylene	0.0901		0.00215	0.0100	5	06/26/2020 00:48	WG1499394
Xylenes, Total	0.0916		0.000870	0.0150	5	06/26/2020 00:48	WG1499394
(S) Toluene-d8	*109*			*80.0-120*		*06/26/2020 00:48*	WG1499394
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/26/2020 00:48*	WG1499394
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*06/26/2020 00:48*	WG1499394

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.91		0.123	0.500	5	06/29/2020 10:28	WG1497082
(S) o-Terphenyl	*142*			*31.0-160*		*06/29/2020 10:28*	WG1497082

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2900		14.1	50.0	1	06/24/2020 21:57	WG1498145

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 17:02	WG1499266

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	201		37.9	100	100	06/26/2020 13:11	WG1498057
Fluoride	1.33		0.0640	0.150	1	06/26/2020 12:53	WG1498057
Sulfate	1340		59.4	500	100	06/26/2020 13:11	WG1498057

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0360		0.000735	0.00200	1	06/27/2020 20:50	WG1498749
Arsenic,Dissolved	0.0357		0.000735	0.00200	1	06/26/2020 13:58	WG1498726
Barium	0.0184	J	0.00778	0.0200	1	06/27/2020 20:50	WG1498749
Barium,Dissolved	0.0178	J	0.00778	0.0200	1	06/26/2020 13:58	WG1498726
Calcium	366		0.480	1.00	1	06/27/2020 20:50	WG1498749
Chromium	U		0.00149	0.00200	1	06/27/2020 20:50	WG1498749
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 13:58	WG1498726
Iron	0.0703	J	0.0489	0.100	1	06/27/2020 20:50	WG1498749
Iron,Dissolved	0.0695	J	0.0489	0.100	1	06/26/2020 13:58	WG1498726
Lead	U		0.00249	0.00500	1	06/27/2020 20:50	WG1498749
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 13:58	WG1498726
Manganese	0.369		0.00132	0.00500	1	06/27/2020 20:50	WG1498749
Manganese,Dissolved	0.364		0.00132	0.00500	1	06/26/2020 13:58	WG1498726
Potassium	U		0.534	2.00	1	06/27/2020 20:50	WG1498749
Selenium	U		0.000657	0.00200	1	06/27/2020 20:50	WG1498749
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 13:58	WG1498726
Sodium	184		0.630	2.00	1	06/27/2020 20:50	WG1498749

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.302	B	0.0314	0.100	1	06/25/2020 09:38	WG1498490
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*06/25/2020 09:38*	WG1498490

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 02:52	WG1497261
Benzene	0.00112		0.0000941	0.00100	1	06/23/2020 02:52	WG1497261
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 02:52	WG1497261
Bromoform	U		0.000129	0.00100	1	06/23/2020 02:52	WG1497261
Bromomethane	U		0.000605	0.00500	1	06/23/2020 02:52	WG1497261
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/23/2020 02:52	WG1497261
sec-Butylbenzene	0.00133		0.000125	0.00100	1	06/23/2020 02:52	WG1497261
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 02:52	WG1497261
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 02:52	WG1497261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 02:52	WG1497261
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 02:52	WG1497261
Chloroethane	U		0.000192	0.00500	1	06/23/2020 02:52	WG1497261
Chloroform	U		0.000111	0.00500	1	06/23/2020 02:52	WG1497261
Chloromethane	U		0.000960	0.00250	1	06/23/2020 02:52	WG1497261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 02:52	WG1497261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 02:52	WG1497261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 02:52	WG1497261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 02:52	WG1497261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 02:52	WG1497261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 02:52	WG1497261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 02:52	WG1497261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 02:52	WG1497261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 02:52	WG1497261
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 02:52	WG1497261
Isopropylbenzene	0.0103		0.000105	0.00100	1	06/23/2020 02:52	WG1497261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 02:52	WG1497261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 02:52	WG1497261
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 02:52	WG1497261
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 02:52	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 02:52	WG1497261
Methyl tert-butyl ether	0.00350		0.000101	0.00100	1	06/23/2020 02:52	WG1497261
Naphthalene	0.00202	J	0.00100	0.00500	1	06/23/2020 02:52	WG1497261
n-Propylbenzene	0.000566	J	0.0000993	0.00100	1	06/23/2020 02:52	WG1497261
Styrene	U		0.000118	0.00100	1	06/23/2020 02:52	WG1497261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 02:52	WG1497261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 02:52	WG1497261
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 02:52	WG1497261
Toluene	U		0.000278	0.00100	1	06/23/2020 02:52	WG1497261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 02:52	WG1497261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 02:52	WG1497261
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 02:52	WG1497261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 02:52	WG1497261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 02:52	WG1497261
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 02:52	WG1497261
o-Xylene	U		0.000174	0.00100	1	06/23/2020 02:52	WG1497261
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 02:52	WG1497261
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 02:52	WG1497261
(S) Toluene-d8	*106*			*80.0-120*		*06/23/2020 02:52*	WG1497261
(S) 4-Bromofluorobenzene	*112*			*77.0-126*		*06/23/2020 02:52*	WG1497261
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*		*06/23/2020 02:52*	WG1497261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.97		0.0247	0.100	1	06/29/2020 05:30	WG1497082
(S) o-Terphenyl	*86.8*			*31.0-160*		*06/29/2020 05:30*	WG1497082

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	3720		14.1	50.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		2.50	5.00	50	06/29/2020 17:04	WG1499266

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.0360	0.100	20	06/27/2020 20:47	WG1500401

Sample Narrative:

L1231128-21 WG1500401: Diluted due to sulfide.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	206		19.0	50.0	50	06/27/2020 05:20	WG1498064
Fluoride	0.778		0.0640	0.150	1	06/27/2020 05:01	WG1498064
Sulfate	1770		29.7	250	50	06/27/2020 05:20	WG1498064

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/23/2020 21:48	WG1496610
Mercury,Dissolved	U	J6	0.000100	0.000200	1	06/22/2020 17:20	WG1496615

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.447		0.0254	0.200	1	06/25/2020 21:58	WG1498738
Boron,Dissolved	0.454		0.0254	0.200	1	06/26/2020 08:12	WG1498719

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00590		0.000735	0.00200	1	06/27/2020 21:07	WG1498749
Arsenic,Dissolved	0.00557		0.000735	0.00200	1	06/26/2020 14:12	WG1498726
Barium	0.0194	J	0.00778	0.0200	1	06/27/2020 21:07	WG1498749
Barium,Dissolved	0.0188	J	0.00778	0.0200	1	06/26/2020 14:12	WG1498726
Cadmium	U		0.000478	0.00100	1	06/27/2020 21:07	WG1498749
Cadmium,Dissolved	U		0.000478	0.00100	1	06/26/2020 14:12	WG1498726
Calcium	418		0.480	1.00	1	06/27/2020 21:07	WG1498749
Chromium	U		0.00149	0.00200	1	06/27/2020 21:07	WG1498749
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 14:12	WG1498726
Cobalt	U		0.000477	0.00200	1	06/27/2020 21:07	WG1498749
Cobalt,Dissolved	U		0.000477	0.00200	1	06/26/2020 14:12	WG1498726
Iron	U		0.0489	0.100	1	06/27/2020 21:07	WG1498749
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 14:12	WG1498726
Lead	U		0.00249	0.00500	1	06/27/2020 21:07	WG1498749
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 14:12	WG1498726
Manganese	0.237		0.00132	0.00500	1	06/27/2020 21:07	WG1498749

Received by OCD: 11/22/2022 9:46:04 AM

MW-03
Collected date/time: 06/17/20 11:45

SAMPLE RESULTS - 21

L1231128

ONE LAB. NATIONWIDE.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Manganese,Dissolved	0.240		0.00132	0.00500	1	06/26/2020 14:12	WG1498726
Nickel	0.00132	J	0.000952	0.00200	1	06/27/2020 21:07	WG1498749
Nickel,Dissolved	0.00164	J	0.000952	0.00200	1	06/26/2020 14:12	WG1498726
Potassium	U		0.534	2.00	1	06/27/2020 21:07	WG1498749
Selenium	U		0.000657	0.00200	1	06/27/2020 21:07	WG1498749
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 14:12	WG1498726
Sodium	178		0.630	2.00	1	06/27/2020 21:07	WG1498749
Uranium	U		0.00754	0.0200	1	06/27/2020 21:07	WG1498749
Uranium,Dissolved	U		0.00754	0.0200	1	06/26/2020 14:12	WG1498726
Vanadium	U		0.000986	0.00500	1	06/27/2020 21:07	WG1498749
Vanadium,Dissolved	U		0.000986	0.00500	1	06/26/2020 14:12	WG1498726

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.466		0.0314	0.100	1	06/25/2020 10:01	WG1498490
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*06/25/2020 10:01*	WG1498490

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 03:16	WG1497261
Benzene	0.00187		0.0000941	0.00100	1	06/23/2020 03:16	WG1497261
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 03:16	WG1497261
Bromoform	U		0.000129	0.00100	1	06/23/2020 03:16	WG1497261
Bromomethane	U		0.000605	0.00500	1	06/23/2020 03:16	WG1497261
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/23/2020 03:16	WG1497261
sec-Butylbenzene	0.00171		0.000125	0.00100	1	06/23/2020 03:16	WG1497261
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 03:16	WG1497261
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 03:16	WG1497261
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 03:16	WG1497261
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 03:16	WG1497261
Chloroethane	U		0.000192	0.00500	1	06/23/2020 03:16	WG1497261
Chloroform	U		0.000111	0.00500	1	06/23/2020 03:16	WG1497261
Chloromethane	U		0.000960	0.00250	1	06/23/2020 03:16	WG1497261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 03:16	WG1497261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 03:16	WG1497261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 03:16	WG1497261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 03:16	WG1497261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 03:16	WG1497261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 03:16	WG1497261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 03:16	WG1497261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 03:16	WG1497261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 03:16	WG1497261
Ethylbenzene	0.000281	J	0.000137	0.00100	1	06/23/2020 03:16	WG1497261
Isopropylbenzene	0.0145		0.000105	0.00100	1	06/23/2020 03:16	WG1497261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 03:16	WG1497261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 03:16	WG1497261
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 03:16	WG1497261
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 03:16	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 03:16	WG1497261
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 03:16	WG1497261
Naphthalene	U		0.00100	0.00500	1	06/23/2020 03:16	WG1497261
n-Propylbenzene	0.000862	J	0.0000993	0.00100	1	06/23/2020 03:16	WG1497261
Styrene	U		0.000118	0.00100	1	06/23/2020 03:16	WG1497261

Released to Imaging: 11/22/2022 9:50:00 AM

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 03:16	WG1497261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 03:16	WG1497261
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 03:16	WG1497261
Toluene	U		0.000278	0.00100	1	06/23/2020 03:16	WG1497261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 03:16	WG1497261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 03:16	WG1497261
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 03:16	WG1497261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 03:16	WG1497261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 03:16	WG1497261
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 03:16	WG1497261
o-Xylene	U		0.000174	0.00100	1	06/23/2020 03:16	WG1497261
m&p-Xylene	0.00157	J	0.000430	0.00200	1	06/23/2020 03:16	WG1497261
Xylenes, Total	0.00157	J	0.000174	0.00300	1	06/23/2020 03:16	WG1497261
(S) Toluene-d8	*106*			*80.0-120*		*06/23/2020 03:16*	WG1497261
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*06/23/2020 03:16*	WG1497261
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*06/23/2020 03:16*	WG1497261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.754		0.0247	0.100	1	06/29/2020 03:49	WG1497082
(S) o-Terphenyl	*88.4*			*31.0-160*		*06/29/2020 03:49*	WG1497082

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	1220		5.64	20.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		2.50	5.00	50	06/29/2020 17:05	WG1499266

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	98.8		0.379	1.00	1	06/27/2020 05:38	WG1498064
Fluoride	1.43		0.0640	0.150	1	06/27/2020 05:38	WG1498064
Sulfate	177		2.97	25.0	5	06/27/2020 05:57	WG1498064

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00808		0.000735	0.00200	1	06/27/2020 21:10	WG1498749
Arsenic,Dissolved	0.00881		0.000735	0.00200	1	06/26/2020 14:16	WG1498726
Barium	0.983		0.00778	0.0200	1	06/27/2020 21:10	WG1498749
Barium,Dissolved	0.923		0.00778	0.0200	1	06/26/2020 14:16	WG1498726
Calcium	243		0.480	1.00	1	06/27/2020 21:10	WG1498749
Chromium	0.00172	J	0.00149	0.00200	1	06/27/2020 21:10	WG1498749
Chromium,Dissolved	0.00163	J	0.00149	0.00200	1	06/26/2020 14:16	WG1498726
Iron	0.456		0.0489	0.100	1	06/27/2020 21:10	WG1498749
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 14:16	WG1498726
Lead	U		0.00249	0.00500	1	06/27/2020 21:10	WG1498749
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 14:16	WG1498726
Manganese	0.0818		0.00132	0.00500	1	06/27/2020 21:10	WG1498749
Manganese,Dissolved	0.0799		0.00132	0.00500	1	06/26/2020 14:16	WG1498726
Potassium	2.74		0.534	2.00	1	06/27/2020 21:10	WG1498749
Selenium	U		0.000657	0.00200	1	06/27/2020 21:10	WG1498749
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 14:16	WG1498726
Sodium	71.7		0.630	2.00	1	06/27/2020 21:10	WG1498749

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	25.6		1.57	5.00	50	06/25/2020 12:41	WG1498490
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*06/25/2020 12:41*	WG1498490

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.565	2.50	50	06/23/2020 03:40	WG1497261
Benzene	7.41		0.00471	0.0500	50	06/23/2020 03:40	WG1497261
Bromodichloromethane	U		0.00680	0.0500	50	06/23/2020 03:40	WG1497261
Bromoform	U		0.00645	0.0500	50	06/23/2020 03:40	WG1497261
Bromomethane	U		0.0303	0.250	50	06/23/2020 03:40	WG1497261
n-Butylbenzene	U	J4	0.00785	0.0500	50	06/23/2020 03:40	WG1497261
sec-Butylbenzene	0.00775	J	0.00625	0.0500	50	06/23/2020 03:40	WG1497261
Carbon disulfide	U		0.00481	0.0500	50	06/23/2020 03:40	WG1497261
Carbon tetrachloride	U		0.00640	0.0500	50	06/23/2020 03:40	WG1497261

Received by OCD: 11/22/2022 9:46:04 AM

MW-109
Collected date/time: 06/17/20 09:25
L1231128

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.00580	0.0500	50	06/23/2020 03:40	WG1497261
Chlorodibromomethane	U		0.00700	0.0500	50	06/23/2020 03:40	WG1497261
Chloroethane	U		0.00960	0.250	50	06/23/2020 03:40	WG1497261
Chloroform	U		0.00555	0.250	50	06/23/2020 03:40	WG1497261
Chloromethane	U		0.0480	0.125	50	06/23/2020 03:40	WG1497261
1,2-Dibromoethane	U		0.00630	0.0500	50	06/23/2020 03:40	WG1497261
1,1-Dichloroethane	U		0.00500	0.0500	50	06/23/2020 03:40	WG1497261
1,2-Dichloroethane	U		0.00409	0.0500	50	06/23/2020 03:40	WG1497261
1,1-Dichloroethene	U		0.00940	0.0500	50	06/23/2020 03:40	WG1497261
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	06/23/2020 03:40	WG1497261
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	06/23/2020 03:40	WG1497261
1,2-Dichloropropane	U		0.00745	0.0500	50	06/23/2020 03:40	WG1497261
cis-1,3-Dichloropropene	U		0.00555	0.0500	50	06/23/2020 03:40	WG1497261
trans-1,3-Dichloropropene	U		0.00590	0.0500	50	06/23/2020 03:40	WG1497261
Ethylbenzene	0.0282	J	0.00685	0.0500	50	06/23/2020 03:40	WG1497261
Isopropylbenzene	0.0329	J	0.00525	0.0500	50	06/23/2020 03:40	WG1497261
p-Isopropyltoluene	U		0.00600	0.0500	50	06/23/2020 03:40	WG1497261
2-Butanone (MEK)	U		0.0595	0.500	50	06/23/2020 03:40	WG1497261
2-Hexanone	U		0.0394	0.500	50	06/23/2020 03:40	WG1497261
Methylene Chloride	U		0.0215	0.250	50	06/23/2020 03:40	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.0239	0.500	50	06/23/2020 03:40	WG1497261
Methyl tert-butyl ether	0.0234	J	0.00505	0.0500	50	06/23/2020 03:40	WG1497261
Naphthalene	U		0.0500	0.250	50	06/23/2020 03:40	WG1497261
n-Propylbenzene	0.0301	J	0.00497	0.0500	50	06/23/2020 03:40	WG1497261
Styrene	U		0.00590	0.0500	50	06/23/2020 03:40	WG1497261
1,1,1,2-Tetrachloroethane	U		0.00735	0.0500	50	06/23/2020 03:40	WG1497261
1,1,2,2-Tetrachloroethane	U		0.00665	0.0500	50	06/23/2020 03:40	WG1497261
Tetrachloroethene	U		0.0150	0.0500	50	06/23/2020 03:40	WG1497261
Toluene	0.0150	J	0.0139	0.0500	50	06/23/2020 03:40	WG1497261
1,1,1-Trichloroethane	U		0.00745	0.0500	50	06/23/2020 03:40	WG1497261
1,1,2-Trichloroethane	U		0.00790	0.0500	50	06/23/2020 03:40	WG1497261
Trichloroethene	U		0.00950	0.0500	50	06/23/2020 03:40	WG1497261
1,2,4-Trimethylbenzene	0.0443	J	0.0161	0.0500	50	06/23/2020 03:40	WG1497261
1,3,5-Trimethylbenzene	0.0247	J	0.00520	0.0500	50	06/23/2020 03:40	WG1497261
Vinyl chloride	U		0.0117	0.0500	50	06/23/2020 03:40	WG1497261
o-Xylene	U		0.00870	0.0500	50	06/23/2020 03:40	WG1497261
m&p-Xylene	0.237		0.0215	0.100	50	06/23/2020 03:40	WG1497261
Xylenes, Total	0.237		0.00870	0.150	50	06/23/2020 03:40	WG1497261
(S) Toluene-d8	*105*			*80.0-120*		*06/23/2020 03:40*	WG1497261
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*06/23/2020 03:40*	WG1497261
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*06/23/2020 03:40*	WG1497261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	9.03		0.0247	0.100	1	06/29/2020 07:31	WG1497082
(S) o-Terphenyl	*96.8*			*31.0-160*		*06/29/2020 07:31*	WG1497082

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2570		14.1	50.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		5.00	10.0	100	06/29/2020 17:06	WG1499266

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	471		19.0	50.0	50	06/27/2020 08:58	WG1498064
Fluoride	1.09		0.0640	0.150	1	06/27/2020 08:40	WG1498064
Sulfate	541		29.7	250	50	06/27/2020 08:58	WG1498064

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00296		0.000735	0.00200	1	06/27/2020 21:14	WG1498749
Arsenic,Dissolved	0.00315		0.000735	0.00200	1	06/26/2020 14:19	WG1498726
Barium	0.0482		0.00778	0.0200	1	06/27/2020 21:14	WG1498749
Barium,Dissolved	0.0464		0.00778	0.0200	1	06/26/2020 14:19	WG1498726
Calcium	292		0.480	1.00	1	06/27/2020 21:14	WG1498749
Chromium	U		0.00149	0.00200	1	06/27/2020 21:14	WG1498749
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 14:19	WG1498726
Iron	U		0.0489	0.100	1	06/27/2020 21:14	WG1498749
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 14:19	WG1498726
Lead	0.00396	J	0.00249	0.00500	1	06/27/2020 21:14	WG1498749
Lead,Dissolved	0.00263	J	0.00249	0.00500	1	06/26/2020 14:19	WG1498726
Manganese	0.0197		0.00132	0.00500	1	06/27/2020 21:14	WG1498749
Manganese,Dissolved	0.0207		0.00132	0.00500	1	06/26/2020 14:19	WG1498726
Potassium	0.933	J	0.534	2.00	1	06/27/2020 21:14	WG1498749
Selenium	U		0.000657	0.00200	1	06/27/2020 21:14	WG1498749
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 14:19	WG1498726
Sodium	299		0.630	2.00	1	06/27/2020 21:14	WG1498749

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	13.0	B	1.57	5.00	50	06/25/2020 13:26	WG1498490
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*06/25/2020 13:26*	WG1498490

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.565	2.50	50	06/23/2020 04:04	WG1497261
Benzene	1.60		0.00471	0.0500	50	06/23/2020 04:04	WG1497261
Bromodichloromethane	U		0.00680	0.0500	50	06/23/2020 04:04	WG1497261
Bromoform	U		0.00645	0.0500	50	06/23/2020 04:04	WG1497261
Bromomethane	U		0.0303	0.250	50	06/23/2020 04:04	WG1497261
n-Butylbenzene	U	J4	0.00785	0.0500	50	06/23/2020 04:04	WG1497261
sec-Butylbenzene	U		0.00625	0.0500	50	06/23/2020 04:04	WG1497261
Carbon disulfide	U		0.00481	0.0500	50	06/23/2020 04:04	WG1497261
Carbon tetrachloride	U		0.00640	0.0500	50	06/23/2020 04:04	WG1497261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.00580	0.0500	50	06/23/2020 04:04	WG1497261
Chlorodibromomethane	U		0.00700	0.0500	50	06/23/2020 04:04	WG1497261
Chloroethane	U		0.00960	0.250	50	06/23/2020 04:04	WG1497261
Chloroform	U		0.00555	0.250	50	06/23/2020 04:04	WG1497261
Chloromethane	U		0.0480	0.125	50	06/23/2020 04:04	WG1497261
1,2-Dibromoethane	U		0.00630	0.0500	50	06/23/2020 04:04	WG1497261
1,1-Dichloroethane	U		0.00500	0.0500	50	06/23/2020 04:04	WG1497261
1,2-Dichloroethane	U		0.00409	0.0500	50	06/23/2020 04:04	WG1497261
1,1-Dichloroethene	U		0.00940	0.0500	50	06/23/2020 04:04	WG1497261
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	06/23/2020 04:04	WG1497261
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	06/23/2020 04:04	WG1497261
1,2-Dichloropropane	U		0.00745	0.0500	50	06/23/2020 04:04	WG1497261
cis-1,3-Dichloropropene	U		0.00555	0.0500	50	06/23/2020 04:04	WG1497261
trans-1,3-Dichloropropene	U		0.00590	0.0500	50	06/23/2020 04:04	WG1497261
Ethylbenzene	0.0545		0.00685	0.0500	50	06/23/2020 04:04	WG1497261
Isopropylbenzene	0.0906		0.00525	0.0500	50	06/23/2020 04:04	WG1497261
p-Isopropyltoluene	U		0.00600	0.0500	50	06/23/2020 04:04	WG1497261
2-Butanone (MEK)	U		0.0595	0.500	50	06/23/2020 04:04	WG1497261
2-Hexanone	U		0.0394	0.500	50	06/23/2020 04:04	WG1497261
Methylene Chloride	U		0.0215	0.250	50	06/23/2020 04:04	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.0239	0.500	50	06/23/2020 04:04	WG1497261
Methyl tert-butyl ether	U		0.00505	0.0500	50	06/23/2020 04:04	WG1497261
Naphthalene	0.177	J	0.0500	0.250	50	06/23/2020 04:04	WG1497261
n-Propylbenzene	0.119		0.00497	0.0500	50	06/23/2020 04:04	WG1497261
Styrene	U		0.00590	0.0500	50	06/23/2020 04:04	WG1497261
1,1,1,2-Tetrachloroethane	U		0.00735	0.0500	50	06/23/2020 04:04	WG1497261
1,1,2,2-Tetrachloroethane	U		0.00665	0.0500	50	06/23/2020 04:04	WG1497261
Tetrachloroethene	U		0.0150	0.0500	50	06/23/2020 04:04	WG1497261
Toluene	0.153		0.0139	0.0500	50	06/23/2020 04:04	WG1497261
1,1,1-Trichloroethane	U		0.00745	0.0500	50	06/23/2020 04:04	WG1497261
1,1,2-Trichloroethane	U		0.00790	0.0500	50	06/23/2020 04:04	WG1497261
Trichloroethene	U		0.00950	0.0500	50	06/23/2020 04:04	WG1497261
1,2,4-Trimethylbenzene	0.222		0.0161	0.0500	50	06/23/2020 04:04	WG1497261
1,3,5-Trimethylbenzene	U		0.00520	0.0500	50	06/23/2020 04:04	WG1497261
Vinyl chloride	U		0.0117	0.0500	50	06/23/2020 04:04	WG1497261
o-Xylene	U		0.00870	0.0500	50	06/23/2020 04:04	WG1497261
m&p-Xylene	0.611		0.0215	0.100	50	06/23/2020 04:04	WG1497261
Xylenes, Total	0.611		0.00870	0.150	50	06/23/2020 04:04	WG1497261
(S) Toluene-d8	*105*			*80.0-120*		*06/23/2020 04:04*	WG1497261
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*06/23/2020 04:04*	WG1497261
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*06/23/2020 04:04*	WG1497261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.45		0.0247	0.100	1	06/29/2020 05:50	WG1497082
(S) o-Terphenyl	*90.5*			*31.0-160*		*06/29/2020 05:50*	WG1497082

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2290		14.1	50.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	06/30/2020 18:08	WG1499267

Sample Narrative:

L1231128-24 WG1499267: diluted due to sulfide hit

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	280		7.58	20.0	20	06/27/2020 09:34	WG1498064
Fluoride	1.19		0.0640	0.150	1	06/27/2020 09:16	WG1498064
Sulfate	524		11.9	100	20	06/27/2020 09:34	WG1498064

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0426		0.000735	0.00200	1	06/27/2020 21:17	WG1498749
Arsenic,Dissolved	0.0450		0.000735	0.00200	1	06/26/2020 14:22	WG1498726
Barium	0.0608		0.00778	0.0200	1	06/27/2020 21:17	WG1498749
Barium,Dissolved	0.0562		0.00778	0.0200	1	06/26/2020 14:22	WG1498726
Calcium	282		0.480	1.00	1	06/27/2020 21:17	WG1498749
Chromium	U		0.00149	0.00200	1	06/27/2020 21:17	WG1498749
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 14:22	WG1498726
Iron	U		0.0489	0.100	1	06/27/2020 21:17	WG1498749
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 14:22	WG1498726
Lead	U		0.00249	0.00500	1	06/27/2020 21:17	WG1498749
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 14:22	WG1498726
Manganese	0.00669		0.00132	0.00500	1	06/27/2020 21:17	WG1498749
Manganese,Dissolved	0.00690		0.00132	0.00500	1	06/26/2020 14:22	WG1498726
Potassium	0.973	J	0.534	2.00	1	06/27/2020 21:17	WG1498749
Selenium	U		0.000657	0.00200	1	06/27/2020 21:17	WG1498749
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 14:22	WG1498726
Sodium	235		0.630	2.00	1	06/27/2020 21:17	WG1498749

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	9.16		0.628	2.00	20	06/25/2020 13:49	WG1498490
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*06/25/2020 13:49*	WG1498490

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	06/23/2020 04:28	WG1497261
Benzene	1.09		0.00188	0.0200	20	06/23/2020 04:28	WG1497261
Bromodichloromethane	U		0.00272	0.0200	20	06/23/2020 04:28	WG1497261
Bromoform	U		0.00258	0.0200	20	06/23/2020 04:28	WG1497261
Bromomethane	U		0.0121	0.100	20	06/23/2020 04:28	WG1497261
n-Butylbenzene	U	J4	0.00314	0.0200	20	06/23/2020 04:28	WG1497261

Received by OCD: 11/22/2022 9:46:04 AM

MW-02
Collected date/time: 06/17/20 12:20
L1231128

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U		0.00250	0.0200	20	06/23/2020 04:28	WG1497261
Carbon disulfide	U		0.00192	0.0200	20	06/23/2020 04:28	WG1497261
Carbon tetrachloride	U		0.00256	0.0200	20	06/23/2020 04:28	WG1497261
Chlorobenzene	U		0.00232	0.0200	20	06/23/2020 04:28	WG1497261
Chlorodibromomethane	U		0.00280	0.0200	20	06/23/2020 04:28	WG1497261
Chloroethane	U		0.00384	0.100	20	06/23/2020 04:28	WG1497261
Chloroform	U		0.00222	0.100	20	06/23/2020 04:28	WG1497261
Chloromethane	U		0.0192	0.0500	20	06/23/2020 04:28	WG1497261
1,2-Dibromoethane	U		0.00252	0.0200	20	06/23/2020 04:28	WG1497261
1,1-Dichloroethane	U		0.00200	0.0200	20	06/23/2020 04:28	WG1497261
1,2-Dichloroethane	U		0.00164	0.0200	20	06/23/2020 04:28	WG1497261
1,1-Dichloroethene	U		0.00376	0.0200	20	06/23/2020 04:28	WG1497261
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	06/23/2020 04:28	WG1497261
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	06/23/2020 04:28	WG1497261
1,2-Dichloropropane	U		0.00298	0.0200	20	06/23/2020 04:28	WG1497261
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	06/23/2020 04:28	WG1497261
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	06/23/2020 04:28	WG1497261
Ethylbenzene	0.0506		0.00274	0.0200	20	06/23/2020 04:28	WG1497261
Isopropylbenzene	0.0647		0.00210	0.0200	20	06/23/2020 04:28	WG1497261
p-Isopropyltoluene	U		0.00240	0.0200	20	06/23/2020 04:28	WG1497261
2-Butanone (MEK)	U		0.0238	0.200	20	06/23/2020 04:28	WG1497261
2-Hexanone	U		0.0157	0.200	20	06/23/2020 04:28	WG1497261
Methylene Chloride	U		0.00860	0.100	20	06/23/2020 04:28	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	06/23/2020 04:28	WG1497261
Methyl tert-butyl ether	0.0672		0.00202	0.0200	20	06/23/2020 04:28	WG1497261
Naphthalene	0.177		0.0200	0.100	20	06/23/2020 04:28	WG1497261
n-Propylbenzene	0.105		0.00199	0.0200	20	06/23/2020 04:28	WG1497261
Styrene	U		0.00236	0.0200	20	06/23/2020 04:28	WG1497261
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	06/23/2020 04:28	WG1497261
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	06/23/2020 04:28	WG1497261
Tetrachloroethene	U		0.00600	0.0200	20	06/23/2020 04:28	WG1497261
Toluene	U		0.00556	0.0200	20	06/23/2020 04:28	WG1497261
1,1,1-Trichloroethane	U		0.00298	0.0200	20	06/23/2020 04:28	WG1497261
1,1,2-Trichloroethane	U		0.00316	0.0200	20	06/23/2020 04:28	WG1497261
Trichloroethene	U		0.00380	0.0200	20	06/23/2020 04:28	WG1497261
1,2,4-Trimethylbenzene	0.382		0.00644	0.0200	20	06/23/2020 04:28	WG1497261
1,3,5-Trimethylbenzene	0.0782		0.00208	0.0200	20	06/23/2020 04:28	WG1497261
Vinyl chloride	U		0.00468	0.0200	20	06/23/2020 04:28	WG1497261
o-Xylene	U		0.00348	0.0200	20	06/23/2020 04:28	WG1497261
m&p-Xylene	0.557		0.00860	0.0400	20	06/23/2020 04:28	WG1497261
Xylenes, Total	0.557		0.00348	0.0600	20	06/23/2020 04:28	WG1497261
(S) Toluene-d8	*102*			*80.0-120*		*06/23/2020 04:28*	WG1497261
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*06/23/2020 04:28*	WG1497261
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*06/23/2020 04:28*	WG1497261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.79		0.0247	0.100	1	06/29/2020 06:50	WG1497082
(S) o-Terphenyl	*83.7*			*31.0-160*		*06/29/2020 06:50*	WG1497082

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2820		14.1	50.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	06/30/2020 18:09	WG1499267

Sample Narrative:

L1231128-25 WG1499267: diluted due to sulfide hit

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	233		19.0	50.0	50	06/27/2020 10:11	WG1498064
Fluoride	1.88		0.0640	0.150	1	06/27/2020 09:53	WG1498064
Sulfate	1070		29.7	250	50	06/27/2020 10:11	WG1498064

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00827		0.000735	0.00200	1	06/27/2020 21:20	WG1498749
Arsenic,Dissolved	0.00919		0.000735	0.00200	1	06/26/2020 14:46	WG1498726
Barium	0.0351		0.00778	0.0200	1	06/27/2020 21:20	WG1498749
Barium,Dissolved	0.0340		0.00778	0.0200	1	06/26/2020 14:46	WG1498726
Calcium	491		0.480	1.00	1	06/27/2020 21:20	WG1498749
Chromium	0.00257		0.00149	0.00200	1	06/27/2020 21:20	WG1498749
Chromium,Dissolved	0.00291		0.00149	0.00200	1	06/26/2020 14:46	WG1498726
Iron	0.181		0.0489	0.100	1	06/27/2020 21:20	WG1498749
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 14:46	WG1498726
Lead	U		0.00249	0.00500	1	06/27/2020 21:20	WG1498749
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 14:46	WG1498726
Manganese	0.208		0.00132	0.00500	1	06/27/2020 21:20	WG1498749
Manganese,Dissolved	0.213		0.00132	0.00500	1	06/26/2020 14:46	WG1498726
Potassium	3.11		0.534	2.00	1	06/27/2020 21:20	WG1498749
Selenium	0.00412		0.000657	0.00200	1	06/27/2020 21:20	WG1498749
Selenium,Dissolved	0.00299		0.000657	0.00200	1	06/26/2020 14:46	WG1498726
Sodium	163		0.630	2.00	1	06/27/2020 21:20	WG1498749

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	6.28		0.0314	0.100	1	06/25/2020 10:24	WG1498490
(S) a,a,a-Trifluorotoluene(FID)	*87.8*			*78.0-120*		*06/25/2020 10:24*	WG1498490

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	06/23/2020 04:52	WG1497261
Benzene	1.21		0.00188	0.0200	20	06/23/2020 04:52	WG1497261
Bromodichloromethane	U		0.00272	0.0200	20	06/23/2020 04:52	WG1497261
Bromoform	U		0.00258	0.0200	20	06/23/2020 04:52	WG1497261
Bromomethane	U		0.0121	0.100	20	06/23/2020 04:52	WG1497261
n-Butylbenzene	U	J4	0.00314	0.0200	20	06/23/2020 04:52	WG1497261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U		0.00250	0.0200	20	06/23/2020 04:52	WG1497261
Carbon disulfide	U		0.00192	0.0200	20	06/23/2020 04:52	WG1497261
Carbon tetrachloride	U		0.00256	0.0200	20	06/23/2020 04:52	WG1497261
Chlorobenzene	U		0.00232	0.0200	20	06/23/2020 04:52	WG1497261
Chlorodibromomethane	U		0.00280	0.0200	20	06/23/2020 04:52	WG1497261
Chloroethane	U		0.00384	0.100	20	06/23/2020 04:52	WG1497261
Chloroform	U		0.00222	0.100	20	06/23/2020 04:52	WG1497261
Chloromethane	U		0.0192	0.0500	20	06/23/2020 04:52	WG1497261
1,2-Dibromoethane	U		0.00252	0.0200	20	06/23/2020 04:52	WG1497261
1,1-Dichloroethane	U		0.00200	0.0200	20	06/23/2020 04:52	WG1497261
1,2-Dichloroethane	U		0.00164	0.0200	20	06/23/2020 04:52	WG1497261
1,1-Dichloroethene	U		0.00376	0.0200	20	06/23/2020 04:52	WG1497261
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	06/23/2020 04:52	WG1497261
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	06/23/2020 04:52	WG1497261
1,2-Dichloropropane	U		0.00298	0.0200	20	06/23/2020 04:52	WG1497261
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	06/23/2020 04:52	WG1497261
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	06/23/2020 04:52	WG1497261
Ethylbenzene	0.00622	J	0.00274	0.0200	20	06/23/2020 04:52	WG1497261
Isopropylbenzene	0.0262		0.00210	0.0200	20	06/23/2020 04:52	WG1497261
p-Isopropyltoluene	U		0.00240	0.0200	20	06/23/2020 04:52	WG1497261
2-Butanone (MEK)	U		0.0238	0.200	20	06/23/2020 04:52	WG1497261
2-Hexanone	U		0.0157	0.200	20	06/23/2020 04:52	WG1497261
Methylene Chloride	U		0.00860	0.100	20	06/23/2020 04:52	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	06/23/2020 04:52	WG1497261
Methyl tert-butyl ether	U		0.00202	0.0200	20	06/23/2020 04:52	WG1497261
Naphthalene	0.0519	J	0.0200	0.100	20	06/23/2020 04:52	WG1497261
n-Propylbenzene	0.0394		0.00199	0.0200	20	06/23/2020 04:52	WG1497261
Styrene	U		0.00236	0.0200	20	06/23/2020 04:52	WG1497261
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	06/23/2020 04:52	WG1497261
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	06/23/2020 04:52	WG1497261
Tetrachloroethene	U		0.00600	0.0200	20	06/23/2020 04:52	WG1497261
Toluene	0.0123	J	0.00556	0.0200	20	06/23/2020 04:52	WG1497261
1,1,1-Trichloroethane	U		0.00298	0.0200	20	06/23/2020 04:52	WG1497261
1,1,2-Trichloroethane	U		0.00316	0.0200	20	06/23/2020 04:52	WG1497261
Trichloroethene	U		0.00380	0.0200	20	06/23/2020 04:52	WG1497261
1,2,4-Trimethylbenzene	0.111		0.00644	0.0200	20	06/23/2020 04:52	WG1497261
1,3,5-Trimethylbenzene	0.0243		0.00208	0.0200	20	06/23/2020 04:52	WG1497261
Vinyl chloride	U		0.00468	0.0200	20	06/23/2020 04:52	WG1497261
o-Xylene	U		0.00348	0.0200	20	06/23/2020 04:52	WG1497261
m&p-Xylene	0.296		0.00860	0.0400	20	06/23/2020 04:52	WG1497261
Xylenes, Total	0.296		0.00348	0.0600	20	06/23/2020 04:52	WG1497261
(S) Toluene-d8	*105*			*80.0-120*		*06/23/2020 04:52*	WG1497261
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*06/23/2020 04:52*	WG1497261
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*06/23/2020 04:52*	WG1497261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.54		0.0247	0.100	1	06/29/2020 07:10	WG1497082
(S) o-Terphenyl	*115*			*31.0-160*		*06/29/2020 07:10*	WG1497082

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Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	0.00190	J	0.000443	0.00500	5	06/23/2020 01:16	WG1496728
Acenaphthylene	U		0.000461	0.00500	5	06/23/2020 01:16	WG1496728
Acetophenone	U		0.00104	0.0500	5	06/23/2020 01:16	WG1496728
Anthracene	0.00137	J	0.000402	0.00500	5	06/23/2020 01:16	WG1496728
Atrazine	U		0.00128	0.0500	5	06/23/2020 01:16	WG1496728
Benzo(a)anthracene	U		0.000995	0.00500	5	06/23/2020 01:16	WG1496728
Benzaldehyde	U	J4	0.00845	0.0500	5	06/23/2020 01:16	WG1496728
Benzo(b)fluoranthene	U		0.000650	0.00500	5	06/23/2020 01:16	WG1496728
Benzo(k)fluoranthene	U		0.000600	0.00500	5	06/23/2020 01:16	WG1496728
Benzo(g,h,i)perylene	U		0.000605	0.00500	5	06/23/2020 01:16	WG1496728
Benzo(a)pyrene	U		0.000191	0.00100	5	06/23/2020 01:16	WG1496728
Biphenyl	U		0.00395	0.0500	5	06/23/2020 01:16	WG1496728
Bis(2-chlorethoxy)methane	U		0.000580	0.0500	5	06/23/2020 01:16	WG1496728
Bis(2-chloroethyl)ether	U		0.000685	0.0500	5	06/23/2020 01:16	WG1496728
2,2-Oxybis(1-Chloropropane)	U		0.00105	0.0500	5	06/23/2020 01:16	WG1496728
4-Bromophenyl-phenylether	U		0.000439	0.0500	5	06/23/2020 01:16	WG1496728
2-Chloronaphthalene	U		0.000324	0.00500	5	06/23/2020 01:16	WG1496728
4-Chlorophenyl-phenylether	U		0.000463	0.0500	5	06/23/2020 01:16	WG1496728
Caprolactam	U		0.00154	0.0500	5	06/23/2020 01:16	WG1496728
Carbazole	0.0264	J	0.000555	0.0500	5	06/23/2020 01:16	WG1496728
Chrysene	U		0.000650	0.00500	5	06/23/2020 01:16	WG1496728
Dibenz(a,h)anthracene	U		0.000322	0.00100	5	06/23/2020 01:16	WG1496728
Dibenzofuran	0.00396	J	0.000485	0.0500	5	06/23/2020 01:16	WG1496728
3,3-Dichlorobenzidine	U		0.00106	0.0500	5	06/23/2020 01:16	WG1496728
2,4-Dinitrotoluene	U		0.000491	0.0500	5	06/23/2020 01:16	WG1496728
2,6-Dinitrotoluene	U		0.00125	0.0500	5	06/23/2020 01:16	WG1496728
Fluoranthene	U		0.000510	0.00500	5	06/23/2020 01:16	WG1496728
Fluorene	0.00813		0.000422	0.00500	5	06/23/2020 01:16	WG1496728
Hexachlorobenzene	U		0.000378	0.00500	5	06/23/2020 01:16	WG1496728
Hexachloro-1,3-butadiene	U		0.000484	0.0500	5	06/23/2020 01:16	WG1496728
Hexachlorocyclopentadiene	U		0.000299	0.0500	5	06/23/2020 01:16	WG1496728
Hexachloroethane	U		0.000635	0.0500	5	06/23/2020 01:16	WG1496728
Indeno(1,2,3-cd)pyrene	U		0.00140	0.00500	5	06/23/2020 01:16	WG1496728
Isophorone	U		0.000715	0.0500	5	06/23/2020 01:16	WG1496728
1-Methylnaphthalene	0.0340		0.000395	0.00500	5	06/23/2020 01:16	WG1496728
2-Methylnaphthalene	U		0.000585	0.00500	5	06/23/2020 01:16	WG1496728
Naphthalene	0.0298		0.000795	0.00500	5	06/23/2020 01:16	WG1496728
Nitrobenzene	U		0.00148	0.0500	5	06/23/2020 01:16	WG1496728
n-Nitrosodiphenylamine	U		0.0119	0.0500	5	06/23/2020 01:16	WG1496728
n-Nitrosodi-n-propylamine	U		0.00131	0.0500	5	06/23/2020 01:16	WG1496728
Phenanthrene	0.0132		0.000560	0.00500	5	06/23/2020 01:16	WG1496728
Benzylbutyl phthalate	U		0.00383	0.0150	5	06/23/2020 01:16	WG1496728
Bis(2-ethylhexyl)phthalate	U		0.00448	0.0150	5	06/23/2020 01:16	WG1496728
Di-n-butyl phthalate	U		0.00227	0.0150	5	06/23/2020 01:16	WG1496728
Diethyl phthalate	U		0.00143	0.0150	5	06/23/2020 01:16	WG1496728
Dimethyl phthalate	U		0.00130	0.0150	5	06/23/2020 01:16	WG1496728
Di-n-octyl phthalate	U		0.00466	0.0150	5	06/23/2020 01:16	WG1496728
Pyrene	0.000746	J	0.000535	0.00500	5	06/23/2020 01:16	WG1496728
1,2,4-Trichlorobenzene	U		0.000349	0.0500	5	06/23/2020 01:16	WG1496728
4-Chloro-3-methylphenol	U		0.000655	0.0500	5	06/23/2020 01:16	WG1496728
2-Chlorophenol	U		0.000665	0.0500	5	06/23/2020 01:16	WG1496728
2,4-Dichlorophenol	U		0.000510	0.0500	5	06/23/2020 01:16	WG1496728
2,4-Dimethylphenol	0.0157	J	0.000318	0.0500	5	06/23/2020 01:16	WG1496728
4,6-Dinitro-2-methylphenol	U		0.00560	0.0500	5	06/23/2020 01:16	WG1496728
2,4-Dinitrophenol	U		0.0297	0.0500	5	06/23/2020 01:16	WG1496728
2-Nitrophenol	U		0.000585	0.0500	5	06/23/2020 01:16	WG1496728

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Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
2-Nitroaniline	U		0.000510	0.0500	5	06/23/2020 01:16	WG1496728
2-Methylphenol	U		0.000465	0.0500	5	06/23/2020 01:16	WG1496728
3&4-Methyl Phenol	U		0.000840	0.0500	5	06/23/2020 01:16	WG1496728
3-Nitroaniline	U		0.000435	0.0500	5	06/23/2020 01:16	WG1496728
4-Chloroaniline	U		0.00117	0.0500	5	06/23/2020 01:16	WG1496728
4-Nitroaniline	U		0.000455	0.0500	5	06/23/2020 01:16	WG1496728
4-Nitrophenol	U		0.000715	0.0500	5	06/23/2020 01:16	WG1496728
Pentachlorophenol	U		0.00157	0.0500	5	06/23/2020 01:16	WG1496728
Phenol	U		0.0217	0.0500	5	06/23/2020 01:16	WG1496728
2,4,5-Trichlorophenol	U		0.000545	0.0500	5	06/23/2020 01:16	WG1496728
2,4,6-Trichlorophenol	U		0.000500	0.0500	5	06/23/2020 01:16	WG1496728
(S) 2-Fluorophenol	*38.5*			*10.0-120*		*06/23/2020 01:16*	WG1496728
(S) Phenol-d5	*20.8*			*10.0-120*		*06/23/2020 01:16*	WG1496728
(S) Nitrobenzene-d5	*79.9*			*10.0-127*		*06/23/2020 01:16*	WG1496728
(S) 2-Fluorobiphenyl	*71.2*			*10.0-130*		*06/23/2020 01:16*	WG1496728
(S) 2,4,6-Tribromophenol	*89.0*			*10.0-155*		*06/23/2020 01:16*	WG1496728
(S) p-Terphenyl-d14	*76.7*			*10.0-128*		*06/23/2020 01:16*	WG1496728

Sample Narrative:

L1231128-25 WG1496728: Dilution due to matrix.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	2210		14.1	50.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.250	0.500	5	06/30/2020 18:10	WG1499267

Sample Narrative:

L1231128-26 WG1499267: diluted due to sulfide hit

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.0360	0.100	20	06/27/2020 20:48	WG1500401

Sample Narrative:

L1231128-26 WG1500401: Diluted due to sulfide.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	547		7.58	20.0	20	06/27/2020 10:48	WG1498064
Fluoride	1.36		0.0640	0.150	1	06/27/2020 10:30	WG1498064
Sulfate	198		11.9	100	20	06/27/2020 10:48	WG1498064

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/23/2020 21:50	WG1496610
Mercury,Dissolved	U		0.000100	0.000200	1	06/24/2020 12:00	WG1496616

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.781		0.0254	0.200	1	06/25/2020 22:00	WG1498738
Boron,Dissolved	0.790		0.0254	0.200	1	06/26/2020 08:15	WG1498719

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00612		0.000735	0.00200	1	06/27/2020 21:24	WG1498749
Arsenic,Dissolved	0.00613		0.000735	0.00200	1	06/26/2020 14:49	WG1498726
Barium	0.443		0.00778	0.0200	1	06/27/2020 21:24	WG1498749
Barium,Dissolved	0.413		0.00778	0.0200	1	06/26/2020 14:49	WG1498726
Cadmium	U		0.000478	0.00100	1	06/27/2020 21:24	WG1498749
Cadmium,Dissolved	U		0.000478	0.00100	1	06/26/2020 14:49	WG1498726
Calcium	141		0.480	1.00	1	06/27/2020 21:24	WG1498749
Chromium	U		0.00149	0.00200	1	06/27/2020 21:24	WG1498749
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 14:49	WG1498726
Cobalt	U		0.000477	0.00200	1	06/27/2020 21:24	WG1498749
Cobalt,Dissolved	U		0.000477	0.00200	1	06/26/2020 14:49	WG1498726
Iron	0.375		0.0489	0.100	1	06/27/2020 21:24	WG1498749
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 14:49	WG1498726

Received by OCD: 11/22/2022 9:46:04 AM

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Collected date/time: 06/17/20 14:25
L1231128

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead	U		0.00249	0.00500	1	06/27/2020 21:24	WG1498749
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 14:49	WG1498726
Manganese	0.297		0.00132	0.00500	1	06/27/2020 21:24	WG1498749
Manganese,Dissolved	0.297		0.00132	0.00500	1	06/26/2020 14:49	WG1498726
Nickel	0.00536		0.000952	0.00200	1	06/27/2020 21:24	WG1498749
Nickel,Dissolved	0.00507		0.000952	0.00200	1	06/26/2020 14:49	WG1498726
Potassium	0.828	J	0.534	2.00	1	06/27/2020 21:24	WG1498749
Selenium	U		0.000657	0.00200	1	06/27/2020 21:24	WG1498749
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 14:49	WG1498726
Sodium	341		0.630	2.00	1	06/27/2020 21:24	WG1498749
Uranium	U		0.00754	0.0200	1	06/27/2020 21:24	WG1498749
Uranium,Dissolved	U		0.00754	0.0200	1	06/26/2020 14:49	WG1498726
Vanadium	0.00385	J	0.000986	0.00500	1	06/27/2020 21:24	WG1498749
Vanadium,Dissolved	0.00336	J	0.000986	0.00500	1	06/26/2020 14:49	WG1498726

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	14.1		1.57	5.00	50	06/27/2020 18:04	WG1500303
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*06/27/2020 18:04*	WG1500303

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	06/26/2020 01:09	WG1499394
Benzene	3.09		0.00188	0.0200	20	06/26/2020 01:09	WG1499394
Bromodichloromethane	U		0.00272	0.0200	20	06/26/2020 01:09	WG1499394
Bromoform	U		0.00258	0.0200	20	06/26/2020 01:09	WG1499394
Bromomethane	U		0.0121	0.100	20	06/26/2020 01:09	WG1499394
n-Butylbenzene	0.00373	J	0.00314	0.0200	20	06/26/2020 01:09	WG1499394
sec-Butylbenzene	0.00578	J	0.00250	0.0200	20	06/26/2020 01:09	WG1499394
Carbon disulfide	U		0.00192	0.0200	20	06/26/2020 01:09	WG1499394
Carbon tetrachloride	U		0.00256	0.0200	20	06/26/2020 01:09	WG1499394
Chlorobenzene	U	J4	0.00232	0.0200	20	06/26/2020 01:09	WG1499394
Chlorodibromomethane	U		0.00280	0.0200	20	06/26/2020 01:09	WG1499394
Chloroethane	U		0.00384	0.100	20	06/26/2020 01:09	WG1499394
Chloroform	0.00489	J	0.00222	0.100	20	06/26/2020 01:09	WG1499394
Chloromethane	U		0.0192	0.0500	20	06/26/2020 01:09	WG1499394
1,2-Dibromoethane	U		0.00252	0.0200	20	06/26/2020 01:09	WG1499394
1,1-Dichloroethane	U		0.00200	0.0200	20	06/26/2020 01:09	WG1499394
1,2-Dichloroethane	U		0.00164	0.0200	20	06/26/2020 01:09	WG1499394
1,1-Dichloroethene	U		0.00376	0.0200	20	06/26/2020 01:09	WG1499394
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	06/26/2020 01:09	WG1499394
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	06/26/2020 01:09	WG1499394
1,2-Dichloropropane	U		0.00298	0.0200	20	06/26/2020 01:09	WG1499394
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	06/26/2020 01:09	WG1499394
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	06/26/2020 01:09	WG1499394
Ethylbenzene	0.0311		0.00274	0.0200	20	06/26/2020 01:09	WG1499394
Isopropylbenzene	0.0437		0.00210	0.0200	20	06/26/2020 01:09	WG1499394
p-Isopropyltoluene	0.00337	J	0.00240	0.0200	20	06/26/2020 01:09	WG1499394
2-Butanone (MEK)	U		0.0238	0.200	20	06/26/2020 01:09	WG1499394
2-Hexanone	U		0.0157	0.200	20	06/26/2020 01:09	WG1499394
Methylene Chloride	U		0.00860	0.100	20	06/26/2020 01:09	WG1499394
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	06/26/2020 01:09	WG1499394
Methyl tert-butyl ether	0.0347		0.00202	0.0200	20	06/26/2020 01:09	WG1499394

Released to Imaging: 11/22/2022 9:50:00 AM

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Collected date/time: 06/17/20 14:25
L1231128

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Naphthalene	0.132		0.0200	0.100	20	06/26/2020 01:09	WG1499394
n-Propylbenzene	0.0569		0.00199	0.0200	20	06/26/2020 01:09	WG1499394
Styrene	U		0.00236	0.0200	20	06/26/2020 01:09	WG1499394
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	06/26/2020 01:09	WG1499394
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	06/26/2020 01:09	WG1499394
Tetrachloroethene	U	J4	0.00600	0.0200	20	06/26/2020 01:09	WG1499394
Toluene	0.0224		0.00556	0.0200	20	06/26/2020 01:09	WG1499394
1,1,1-Trichloroethane	U		0.00298	0.0200	20	06/26/2020 01:09	WG1499394
1,1,2-Trichloroethane	U		0.00316	0.0200	20	06/26/2020 01:09	WG1499394
Trichloroethene	U		0.00380	0.0200	20	06/26/2020 01:09	WG1499394
1,2,4-Trimethylbenzene	0.284		0.00644	0.0200	20	06/26/2020 01:09	WG1499394
1,3,5-Trimethylbenzene	0.00304	J	0.00208	0.0200	20	06/26/2020 01:09	WG1499394
Vinyl chloride	U		0.00468	0.0200	20	06/26/2020 01:09	WG1499394
o-Xylene	0.00925	J	0.00348	0.0200	20	06/26/2020 01:09	WG1499394
m&p-Xylene	0.703		0.00860	0.0400	20	06/26/2020 01:09	WG1499394
Xylenes, Total	0.712		0.00348	0.0600	20	06/26/2020 01:09	WG1499394
(S) Toluene-d8	*110*			*80.0-120*		*06/26/2020 01:09*	WG1499394
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/26/2020 01:09*	WG1499394
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*06/26/2020 01:09*	WG1499394

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.55		0.123	0.500	5	06/29/2020 10:49	WG1497082
(S) o-Terphenyl	*74.2*			*31.0-160*		*06/29/2020 10:49*	WG1497082

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1970		14.1	50.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.500	1.00	10	06/30/2020 18:11	WG1499267

Sample Narrative:

L1231128-27 WG1499267: diluted due to sulfide hit

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	410		3.79	10.0	10	06/27/2020 11:25	WG1498064
Fluoride	1.42		0.0640	0.150	1	06/27/2020 11:07	WG1498064
Sulfate	15.6		0.594	5.00	1	06/27/2020 11:07	WG1498064

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00595		0.000735	0.00200	1	06/28/2020 22:28	WG1498750
Arsenic,Dissolved	0.00639		0.000735	0.00200	1	06/26/2020 14:52	WG1498726
Barium	9.81	V	0.00778	0.0200	1	06/28/2020 22:28	WG1498750
Barium,Dissolved	9.73		0.00778	0.0200	1	06/26/2020 14:52	WG1498726
Calcium	96.4		0.480	1.00	1	06/28/2020 22:28	WG1498750
Chromium	U		0.00149	0.00200	1	06/28/2020 22:28	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 14:52	WG1498726
Iron	0.0693	J	0.0489	0.100	1	06/28/2020 22:28	WG1498750
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 14:52	WG1498726
Lead	0.00484	J	0.00249	0.00500	1	06/28/2020 22:28	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 14:52	WG1498726
Manganese	0.0692		0.00132	0.00500	1	06/28/2020 22:28	WG1498750
Manganese,Dissolved	0.0725		0.00132	0.00500	1	06/26/2020 14:52	WG1498726
Potassium	1.10	J	0.534	2.00	1	06/28/2020 22:28	WG1498750
Selenium	U		0.000657	0.00200	1	06/28/2020 22:28	WG1498750
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 14:52	WG1498726
Sodium	426	V	0.630	2.00	1	06/28/2020 22:28	WG1498750

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	8.73		0.628	2.00	20	06/26/2020 00:42	WG1499248
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*06/26/2020 00:42*	WG1499248

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	06/23/2020 05:39	WG1497261
Benzene	2.68		0.00188	0.0200	20	06/26/2020 01:29	WG1499394
Bromodichloromethane	U		0.00136	0.0100	10	06/23/2020 05:39	WG1497261
Bromoform	U		0.00129	0.0100	10	06/23/2020 05:39	WG1497261
Bromomethane	U		0.00605	0.0500	10	06/23/2020 05:39	WG1497261
n-Butylbenzene	0.00903	J J4	0.00157	0.0100	10	06/23/2020 05:39	WG1497261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	0.0132		0.00125	0.0100	10	06/23/2020 05:39	WG1497261
Carbon disulfide	U		0.000962	0.0100	10	06/23/2020 05:39	WG1497261
Carbon tetrachloride	U		0.00128	0.0100	10	06/23/2020 05:39	WG1497261
Chlorobenzene	U		0.00116	0.0100	10	06/23/2020 05:39	WG1497261
Chlorodibromomethane	U		0.00140	0.0100	10	06/23/2020 05:39	WG1497261
Chloroethane	U		0.00192	0.0500	10	06/23/2020 05:39	WG1497261
Chloroform	U		0.00111	0.0500	10	06/23/2020 05:39	WG1497261
Chloromethane	U		0.00960	0.0250	10	06/23/2020 05:39	WG1497261
1,2-Dibromoethane	U		0.00126	0.0100	10	06/23/2020 05:39	WG1497261
1,1-Dichloroethane	U		0.00100	0.0100	10	06/23/2020 05:39	WG1497261
1,2-Dichloroethane	U		0.000819	0.0100	10	06/23/2020 05:39	WG1497261
1,1-Dichloroethene	U		0.00188	0.0100	10	06/23/2020 05:39	WG1497261
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	06/23/2020 05:39	WG1497261
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	06/23/2020 05:39	WG1497261
1,2-Dichloropropane	U		0.00149	0.0100	10	06/23/2020 05:39	WG1497261
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	06/23/2020 05:39	WG1497261
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	06/23/2020 05:39	WG1497261
Ethylbenzene	0.00865	J	0.00137	0.0100	10	06/23/2020 05:39	WG1497261
Isopropylbenzene	0.101		0.00105	0.0100	10	06/23/2020 05:39	WG1497261
p-Isopropyltoluene	U		0.00120	0.0100	10	06/23/2020 05:39	WG1497261
2-Butanone (MEK)	U		0.0119	0.100	10	06/23/2020 05:39	WG1497261
2-Hexanone	U		0.00787	0.100	10	06/23/2020 05:39	WG1497261
Methylene Chloride	U		0.00430	0.0500	10	06/23/2020 05:39	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	06/23/2020 05:39	WG1497261
Methyl tert-butyl ether	0.0407		0.00101	0.0100	10	06/23/2020 05:39	WG1497261
Naphthalene	0.0380	J	0.0100	0.0500	10	06/23/2020 05:39	WG1497261
n-Propylbenzene	0.165		0.000993	0.0100	10	06/23/2020 05:39	WG1497261
Styrene	U		0.00118	0.0100	10	06/23/2020 05:39	WG1497261
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	06/23/2020 05:39	WG1497261
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	06/23/2020 05:39	WG1497261
Tetrachloroethene	U		0.00300	0.0100	10	06/23/2020 05:39	WG1497261
Toluene	U		0.00278	0.0100	10	06/23/2020 05:39	WG1497261
1,1,1-Trichloroethane	U		0.00149	0.0100	10	06/23/2020 05:39	WG1497261
1,1,2-Trichloroethane	U		0.00158	0.0100	10	06/23/2020 05:39	WG1497261
Trichloroethene	U		0.00190	0.0100	10	06/23/2020 05:39	WG1497261
1,2,4-Trimethylbenzene	U		0.00322	0.0100	10	06/23/2020 05:39	WG1497261
1,3,5-Trimethylbenzene	U		0.00104	0.0100	10	06/23/2020 05:39	WG1497261
Vinyl chloride	U		0.00234	0.0100	10	06/23/2020 05:39	WG1497261
o-Xylene	U		0.00174	0.0100	10	06/23/2020 05:39	WG1497261
m&p-Xylene	U		0.00430	0.0200	10	06/23/2020 05:39	WG1497261
Xylenes, Total	U		0.00174	0.0300	10	06/23/2020 05:39	WG1497261
(S) Toluene-d8	*106*			*80.0-120*		*06/23/2020 05:39*	WG1497261
(S) Toluene-d8	*110*			*80.0-120*		*06/26/2020 01:29*	WG1499394
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*06/23/2020 05:39*	WG1497261
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/26/2020 01:29*	WG1499394
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*06/23/2020 05:39*	WG1497261
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*06/26/2020 01:29*	WG1499394

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	13.0		0.123	0.500	5	06/29/2020 11:09	WG1497082
(S) o-Terphenyl	*119*			*31.0-160*		*06/29/2020 11:09*	WG1497082

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3310		14.1	50.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	06/30/2020 18:14	WG1499267

Sample Narrative:

L1231128-28 WG1499267: diluted due to sulfide hit

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	336		19.0	50.0	50	06/27/2020 12:39	WG1498064
Fluoride	0.851		0.0640	0.150	1	06/27/2020 12:20	WG1498064
Sulfate	1020		29.7	250	50	06/27/2020 12:39	WG1498064

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00520		0.000735	0.00200	1	06/28/2020 22:57	WG1498750
Arsenic,Dissolved	0.00551		0.000735	0.00200	1	06/26/2020 14:56	WG1498726
Barium	0.0191	J	0.00778	0.0200	1	06/28/2020 22:57	WG1498750
Barium,Dissolved	0.0189	J	0.00778	0.0200	1	06/26/2020 14:56	WG1498726
Calcium	246		0.480	1.00	1	06/28/2020 22:57	WG1498750
Chromium	U		0.00149	0.00200	1	06/28/2020 22:57	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 14:56	WG1498726
Iron	0.233		0.0489	0.100	1	06/28/2020 22:57	WG1498750
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 14:56	WG1498726
Lead	U		0.00249	0.00500	1	06/28/2020 22:57	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 14:56	WG1498726
Manganese	0.144		0.00132	0.00500	1	06/28/2020 22:57	WG1498750
Manganese,Dissolved	0.156		0.00132	0.00500	1	06/26/2020 14:56	WG1498726
Potassium	U		0.534	2.00	1	06/28/2020 22:57	WG1498750
Selenium	U		0.000657	0.00200	1	06/28/2020 22:57	WG1498750
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 14:56	WG1498726
Sodium	358		0.630	2.00	1	06/28/2020 22:57	WG1498750

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.26	J	0.628	2.00	20	06/26/2020 01:04	WG1499248
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*06/26/2020 01:04*	WG1499248

Sample Narrative:

L1231128-28 WG1499248: Lowest possible dilution due to sample foaming.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0565	0.250	5	06/23/2020 06:03	WG1497261
Benzene	0.109		0.000471	0.00500	5	06/26/2020 01:49	WG1499394
Bromodichloromethane	U		0.000680	0.00500	5	06/23/2020 06:03	WG1497261
Bromoform	U		0.000645	0.00500	5	06/23/2020 06:03	WG1497261
Bromomethane	U		0.00303	0.0250	5	06/23/2020 06:03	WG1497261
n-Butylbenzene	U	J4	0.000785	0.00500	5	06/23/2020 06:03	WG1497261
sec-Butylbenzene	0.00446	J	0.000625	0.00500	5	06/23/2020 06:03	WG1497261
Carbon disulfide	U		0.000481	0.00500	5	06/23/2020 06:03	WG1497261
Carbon tetrachloride	U		0.000640	0.00500	5	06/23/2020 06:03	WG1497261
Chlorobenzene	U		0.000580	0.00500	5	06/23/2020 06:03	WG1497261
Chlorodibromomethane	U		0.000700	0.00500	5	06/23/2020 06:03	WG1497261
Chloroethane	U		0.000960	0.0250	5	06/23/2020 06:03	WG1497261
Chloroform	U		0.000555	0.0250	5	06/23/2020 06:03	WG1497261
Chloromethane	U		0.00480	0.0125	5	06/23/2020 06:03	WG1497261
1,2-Dibromoethane	U		0.000630	0.00500	5	06/23/2020 06:03	WG1497261
1,1-Dichloroethane	U		0.000500	0.00500	5	06/23/2020 06:03	WG1497261
1,2-Dichloroethane	U		0.000409	0.00500	5	06/23/2020 06:03	WG1497261
1,1-Dichloroethene	U		0.000940	0.00500	5	06/23/2020 06:03	WG1497261
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	06/23/2020 06:03	WG1497261
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	06/23/2020 06:03	WG1497261
1,2-Dichloropropane	U		0.000745	0.00500	5	06/23/2020 06:03	WG1497261
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	06/23/2020 06:03	WG1497261
trans-1,3-Dichloropropene	U		0.000590	0.00500	5	06/23/2020 06:03	WG1497261
Ethylbenzene	0.00108	J	0.000685	0.00500	5	06/23/2020 06:03	WG1497261
Isopropylbenzene	0.0301		0.000525	0.00500	5	06/23/2020 06:03	WG1497261
p-Isopropyltoluene	U		0.000600	0.00500	5	06/23/2020 06:03	WG1497261
2-Butanone (MEK)	U		0.00595	0.0500	5	06/23/2020 06:03	WG1497261
2-Hexanone	U		0.00394	0.0500	5	06/23/2020 06:03	WG1497261
Methylene Chloride	U		0.00215	0.0250	5	06/23/2020 06:03	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	06/23/2020 06:03	WG1497261
Methyl tert-butyl ether	0.0103		0.000505	0.00500	5	06/23/2020 06:03	WG1497261
Naphthalene	U		0.00500	0.0250	5	06/23/2020 06:03	WG1497261
n-Propylbenzene	0.0107		0.000497	0.00500	5	06/23/2020 06:03	WG1497261
Styrene	U		0.000590	0.00500	5	06/23/2020 06:03	WG1497261
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	06/23/2020 06:03	WG1497261
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	06/23/2020 06:03	WG1497261
Tetrachloroethene	U		0.00150	0.00500	5	06/23/2020 06:03	WG1497261
Toluene	0.00172	J	0.00139	0.00500	5	06/23/2020 06:03	WG1497261
1,1,1-Trichloroethane	U		0.000745	0.00500	5	06/23/2020 06:03	WG1497261
1,1,2-Trichloroethane	U		0.000790	0.00500	5	06/23/2020 06:03	WG1497261
Trichloroethene	U		0.000950	0.00500	5	06/23/2020 06:03	WG1497261
1,2,4-Trimethylbenzene	0.0163		0.00161	0.00500	5	06/23/2020 06:03	WG1497261
1,3,5-Trimethylbenzene	U		0.000520	0.00500	5	06/23/2020 06:03	WG1497261
Vinyl chloride	U		0.00117	0.00500	5	06/23/2020 06:03	WG1497261
o-Xylene	U		0.000870	0.00500	5	06/23/2020 06:03	WG1497261
m&p-Xylene	0.0535		0.00215	0.0100	5	06/23/2020 06:03	WG1497261
Xylenes, Total	0.0535		0.000870	0.0150	5	06/23/2020 06:03	WG1497261
(S) Toluene-d8	*104*			*80.0-120*		*06/23/2020 06:03*	WG1497261
(S) Toluene-d8	*110*			*80.0-120*		*06/26/2020 01:49*	WG1499394
(S) 4-Bromofluorobenzene	*113*			*77.0-126*		*06/23/2020 06:03*	WG1497261
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*06/26/2020 01:49*	WG1499394
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*06/23/2020 06:03*	WG1497261
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/26/2020 01:49*	WG1499394

Sample Narrative:

L1231128-28 WG1497261: Lowest possible dilution due to sample foaming.

MW-42
Collected date/time: 06/17/20 14:20
L1231128

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	4.95		0.0247	0.100	1	06/29/2020 06:10	WG1497082
(S) o-Terphenyl	*96.8*			*31.0-160*		*06/29/2020 06:10*	WG1497082

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1530		7.05	25.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2.50	5.00	50	06/30/2020 18:15	WG1499267

Sample Narrative:

L1231128-29 WG1499267: diluted due to sulfide hit

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	218		3.79	10.0	10	06/27/2020 13:15	WG1498064
Fluoride	0.995		0.0640	0.150	1	06/27/2020 12:57	WG1498064
Sulfate	162		5.94	50.0	10	06/27/2020 13:15	WG1498064

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00738		0.000735	0.00200	1	06/28/2020 23:01	WG1498750
Arsenic,Dissolved	0.00695		0.000735	0.00200	1	06/26/2020 14:59	WG1498726
Barium	0.176		0.00778	0.0200	1	06/28/2020 23:01	WG1498750
Barium,Dissolved	0.174		0.00778	0.0200	1	06/26/2020 14:59	WG1498726
Calcium	184		0.480	1.00	1	06/28/2020 23:01	WG1498750
Chromium	U		0.00149	0.00200	1	06/28/2020 23:01	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 14:59	WG1498726
Iron	2.57		0.0489	0.100	1	06/28/2020 23:01	WG1498750
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 14:59	WG1498726
Lead	U		0.00249	0.00500	1	06/28/2020 23:01	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 14:59	WG1498726
Manganese	0.108		0.00132	0.00500	1	06/28/2020 23:01	WG1498750
Manganese,Dissolved	0.113		0.00132	0.00500	1	06/26/2020 14:59	WG1498726
Potassium	0.651	J	0.534	2.00	1	06/28/2020 23:01	WG1498750
Selenium	U		0.000657	0.00200	1	06/28/2020 23:01	WG1498750
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 14:59	WG1498726
Sodium	151		0.630	2.00	1	06/28/2020 23:01	WG1498750

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.334	B J	0.157	0.500	5	06/26/2020 14:59	WG1499718
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*06/26/2020 14:59*	WG1499718

Sample Narrative:

L1231128-29 WG1499718: Lowest possible dilution due to sample foaming.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 06:27	WG1497261
Benzene	0.00487		0.0000941	0.00100	1	06/23/2020 06:27	WG1497261
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 06:27	WG1497261
Bromoform	U		0.000129	0.00100	1	06/23/2020 06:27	WG1497261
Bromomethane	U		0.000605	0.00500	1	06/23/2020 06:27	WG1497261
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/23/2020 06:27	WG1497261
sec-Butylbenzene	0.00389		0.000125	0.00100	1	06/23/2020 06:27	WG1497261
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 06:27	WG1497261
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 06:27	WG1497261
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 06:27	WG1497261
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 06:27	WG1497261
Chloroethane	U		0.000192	0.00500	1	06/23/2020 06:27	WG1497261
Chloroform	U		0.000111	0.00500	1	06/23/2020 06:27	WG1497261
Chloromethane	U		0.000960	0.00250	1	06/23/2020 06:27	WG1497261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 06:27	WG1497261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 06:27	WG1497261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 06:27	WG1497261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 06:27	WG1497261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 06:27	WG1497261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 06:27	WG1497261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 06:27	WG1497261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 06:27	WG1497261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 06:27	WG1497261
Ethylbenzene	0.000204	J	0.000137	0.00100	1	06/23/2020 06:27	WG1497261
Isopropylbenzene	0.00809		0.000105	0.00100	1	06/23/2020 06:27	WG1497261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 06:27	WG1497261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 06:27	WG1497261
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 06:27	WG1497261
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 06:27	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 06:27	WG1497261
Methyl tert-butyl ether	0.00825		0.000101	0.00100	1	06/23/2020 06:27	WG1497261
Naphthalene	U		0.00100	0.00500	1	06/23/2020 06:27	WG1497261
n-Propylbenzene	0.00235		0.0000993	0.00100	1	06/23/2020 06:27	WG1497261
Styrene	U		0.000118	0.00100	1	06/23/2020 06:27	WG1497261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 06:27	WG1497261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 06:27	WG1497261
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 06:27	WG1497261
Toluene	0.000397	J	0.000278	0.00100	1	06/23/2020 06:27	WG1497261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 06:27	WG1497261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 06:27	WG1497261
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 06:27	WG1497261
1,2,4-Trimethylbenzene	0.000639	J	0.000322	0.00100	1	06/23/2020 06:27	WG1497261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 06:27	WG1497261
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 06:27	WG1497261
o-Xylene	0.000305	J	0.000174	0.00100	1	06/23/2020 06:27	WG1497261
m&p-Xylene	0.00209		0.000430	0.00200	1	06/23/2020 06:27	WG1497261
Xylenes, Total	0.00240	J	0.000174	0.00300	1	06/23/2020 06:27	WG1497261
(S) Toluene-d8	*104*			*80.0-120*		*06/23/2020 06:27*	WG1497261
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*06/23/2020 06:27*	WG1497261
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*06/23/2020 06:27*	WG1497261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.54		0.0247	0.100	1	06/29/2020 06:30	WG1497082
(S) o-Terphenyl	*121*			*31.0-160*		*06/29/2020 06:30*	WG1497082

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5730		28.2	100	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.386		0.0500	0.100	1	06/30/2020 18:20	WG1499267

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	389		37.9	100	100	06/27/2020 13:52	WG1498064
Fluoride	2.58		0.0640	0.150	1	06/27/2020 13:34	WG1498064
Sulfate	2940		59.4	500	100	06/27/2020 13:52	WG1498064

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0163		0.000735	0.00200	1	06/28/2020 23:04	WG1498750
Arsenic,Dissolved	0.0156		0.000735	0.00200	1	06/26/2020 15:03	WG1498726
Barium	0.0206		0.00778	0.0200	1	06/28/2020 23:04	WG1498750
Barium,Dissolved	0.0199	J	0.00778	0.0200	1	06/26/2020 15:03	WG1498726
Calcium	554		0.480	1.00	1	06/28/2020 23:04	WG1498750
Chromium	0.00178	J	0.00149	0.00200	1	06/28/2020 23:04	WG1498750
Chromium,Dissolved	0.00187	J	0.00149	0.00200	1	06/26/2020 15:03	WG1498726
Iron	0.232		0.0489	0.100	1	06/28/2020 23:04	WG1498750
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 15:03	WG1498726
Lead	0.0104		0.00249	0.00500	1	06/28/2020 23:04	WG1498750
Lead,Dissolved	0.00270	J	0.00249	0.00500	1	06/26/2020 15:03	WG1498726
Manganese	0.105		0.00132	0.00500	1	06/28/2020 23:04	WG1498750
Manganese,Dissolved	0.118		0.00132	0.00500	1	06/26/2020 15:03	WG1498726
Potassium	4.62		0.534	2.00	1	06/28/2020 23:04	WG1498750
Selenium	0.0154		0.000657	0.00200	1	06/28/2020 23:04	WG1498750
Selenium,Dissolved	0.0157		0.000657	0.00200	1	06/26/2020 15:03	WG1498726
Sodium	306		0.630	2.00	1	06/28/2020 23:04	WG1498750

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0426	J	0.0314	0.100	1	06/25/2020 20:08	WG1499248
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*06/25/2020 20:08*	WG1499248

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 06:51	WG1497261
Benzene	U		0.0000941	0.00100	1	06/23/2020 06:51	WG1497261
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 06:51	WG1497261
Bromoform	U		0.000129	0.00100	1	06/23/2020 06:51	WG1497261
Bromomethane	U		0.000605	0.00500	1	06/23/2020 06:51	WG1497261
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/23/2020 06:51	WG1497261
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 06:51	WG1497261
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 06:51	WG1497261
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 06:51	WG1497261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 06:51	WG1497261
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 06:51	WG1497261
Chloroethane	U		0.000192	0.00500	1	06/23/2020 06:51	WG1497261
Chloroform	U		0.000111	0.00500	1	06/23/2020 06:51	WG1497261
Chloromethane	U		0.000960	0.00250	1	06/23/2020 06:51	WG1497261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 06:51	WG1497261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 06:51	WG1497261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 06:51	WG1497261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 06:51	WG1497261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 06:51	WG1497261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 06:51	WG1497261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 06:51	WG1497261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 06:51	WG1497261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 06:51	WG1497261
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 06:51	WG1497261
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 06:51	WG1497261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 06:51	WG1497261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 06:51	WG1497261
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 06:51	WG1497261
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 06:51	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 06:51	WG1497261
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 06:51	WG1497261
Naphthalene	U		0.00100	0.00500	1	06/23/2020 06:51	WG1497261
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 06:51	WG1497261
Styrene	U		0.000118	0.00100	1	06/23/2020 06:51	WG1497261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 06:51	WG1497261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 06:51	WG1497261
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 06:51	WG1497261
Toluene	U		0.000278	0.00100	1	06/23/2020 06:51	WG1497261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 06:51	WG1497261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 06:51	WG1497261
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 06:51	WG1497261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 06:51	WG1497261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 06:51	WG1497261
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 06:51	WG1497261
o-Xylene	U		0.000174	0.00100	1	06/23/2020 06:51	WG1497261
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 06:51	WG1497261
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 06:51	WG1497261
(S) Toluene-d8	*114*			*80.0-120*		*06/23/2020 06:51*	WG1497261
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*06/23/2020 06:51*	WG1497261
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*06/23/2020 06:51*	WG1497261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.44		0.0247	0.100	1	06/29/2020 04:29	WG1497082
(S) o-Terphenyl	*75.3*			*31.0-160*		*06/29/2020 04:29*	WG1497082

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2460		14.1	50.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/30/2020 18:24	WG1499267

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	184		1.90	5.00	5	06/27/2020 14:11	WG1498064
Fluoride	0.605	J	0.320	0.750	5	06/27/2020 14:11	WG1498064
Sulfate	958		29.7	250	50	06/27/2020 14:29	WG1498064

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00186	J	0.000735	0.00200	1	06/28/2020 23:08	WG1498750
Arsenic,Dissolved	0.00179	J	0.000735	0.00200	1	06/26/2020 15:06	WG1498726
Barium	0.0313		0.00778	0.0200	1	06/28/2020 23:08	WG1498750
Barium,Dissolved	0.0239		0.00778	0.0200	1	06/26/2020 15:06	WG1498726
Calcium	313		0.480	1.00	1	06/28/2020 23:08	WG1498750
Chromium	U		0.00149	0.00200	1	06/28/2020 23:08	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 15:06	WG1498726
Iron	1.03		0.0489	0.100	1	06/28/2020 23:08	WG1498750
Iron,Dissolved	0.777		0.0489	0.100	1	06/26/2020 15:06	WG1498726
Lead	U		0.00249	0.00500	1	06/28/2020 23:08	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 15:06	WG1498726
Manganese	1.34		0.00132	0.00500	1	06/28/2020 23:08	WG1498750
Manganese,Dissolved	1.30		0.00132	0.00500	1	06/26/2020 15:06	WG1498726
Potassium	U		0.534	2.00	1	06/28/2020 23:08	WG1498750
Selenium	U		0.000657	0.00200	1	06/28/2020 23:08	WG1498750
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 15:06	WG1498726
Sodium	152		0.630	2.00	1	06/28/2020 23:08	WG1498750

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.798	V3	0.0314	0.100	1	06/27/2020 16:10	WG1500307
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*06/27/2020 16:10*	WG1500307

Sample Narrative:

L1231128-31 WG1500307: Previous run also had low IS/SURR recovery. Matrix effect.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	0.0396	J	0.0113	0.0500	1	06/26/2020 00:08	WG1499394
Benzene	0.0248		0.0000941	0.00100	1	06/26/2020 00:08	WG1499394
Bromodichloromethane	U		0.000136	0.00100	1	06/26/2020 00:08	WG1499394
Bromoform	U		0.000129	0.00100	1	06/26/2020 00:08	WG1499394
Bromomethane	U		0.000605	0.00500	1	06/26/2020 00:08	WG1499394
n-Butylbenzene	U		0.000157	0.00100	1	06/26/2020 00:08	WG1499394

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	0.000611	J	0.000125	0.00100	1	06/26/2020 00:08	WG1499394
Carbon disulfide	0.000181	J	0.0000962	0.00100	1	06/26/2020 00:08	WG1499394
Carbon tetrachloride	U		0.000128	0.00100	1	06/26/2020 00:08	WG1499394
Chlorobenzene	U	J4	0.000116	0.00100	1	06/26/2020 00:08	WG1499394
Chlorodibromomethane	U		0.000140	0.00100	1	06/26/2020 00:08	WG1499394
Chloroethane	U		0.000192	0.00500	1	06/26/2020 00:08	WG1499394
Chloroform	0.00490	J	0.000111	0.00500	1	06/26/2020 00:08	WG1499394
Chloromethane	U		0.000960	0.00250	1	06/26/2020 00:08	WG1499394
1,2-Dibromoethane	U		0.000126	0.00100	1	06/26/2020 00:08	WG1499394
1,1-Dichloroethane	U		0.000100	0.00100	1	06/26/2020 00:08	WG1499394
1,2-Dichloroethane	0.000410	J	0.0000819	0.00100	1	06/26/2020 00:08	WG1499394
1,1-Dichloroethene	U		0.000188	0.00100	1	06/26/2020 00:08	WG1499394
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/26/2020 00:08	WG1499394
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/26/2020 00:08	WG1499394
1,2-Dichloropropane	U		0.000149	0.00100	1	06/26/2020 00:08	WG1499394
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/26/2020 00:08	WG1499394
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/26/2020 00:08	WG1499394
Ethylbenzene	0.00448		0.000137	0.00100	1	06/26/2020 00:08	WG1499394
Isopropylbenzene	0.000915	J	0.000105	0.00100	1	06/26/2020 00:08	WG1499394
p-Isopropyltoluene	0.00157		0.000120	0.00100	1	06/26/2020 00:08	WG1499394
2-Butanone (MEK)	U		0.00119	0.0100	1	06/26/2020 00:08	WG1499394
2-Hexanone	U		0.000787	0.0100	1	06/26/2020 00:08	WG1499394
Methylene Chloride	U		0.000430	0.00500	1	06/26/2020 00:08	WG1499394
4-Methyl-2-pentanone (MIBK)	0.000770	J	0.000478	0.0100	1	06/26/2020 00:08	WG1499394
Methyl tert-butyl ether	0.0104		0.000101	0.00100	1	06/26/2020 00:08	WG1499394
Naphthalene	0.00195	J	0.00100	0.00500	1	06/26/2020 00:08	WG1499394
n-Propylbenzene	0.000600	J	0.0000993	0.00100	1	06/26/2020 00:08	WG1499394
Styrene	U		0.000118	0.00100	1	06/26/2020 00:08	WG1499394
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/26/2020 00:08	WG1499394
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/26/2020 00:08	WG1499394
Tetrachloroethene	0.000582	J J4	0.000300	0.00100	1	06/26/2020 00:08	WG1499394
Toluene	0.000490	J	0.000278	0.00100	1	06/26/2020 00:08	WG1499394
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/26/2020 00:08	WG1499394
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/26/2020 00:08	WG1499394
Trichloroethene	U		0.000190	0.00100	1	06/26/2020 00:08	WG1499394
1,2,4-Trimethylbenzene	0.0278		0.000322	0.00100	1	06/26/2020 00:08	WG1499394
1,3,5-Trimethylbenzene	0.000589	J	0.000104	0.00100	1	06/26/2020 00:08	WG1499394
Vinyl chloride	U		0.000234	0.00100	1	06/26/2020 00:08	WG1499394
o-Xylene	0.000359	J	0.000174	0.00100	1	06/26/2020 00:08	WG1499394
m&p-Xylene	0.0470		0.000430	0.00200	1	06/26/2020 00:08	WG1499394
Xylenes, Total	0.0474		0.000174	0.00300	1	06/26/2020 00:08	WG1499394
(S) Toluene-d8	*107*			*80.0-120*		*06/26/2020 00:08*	WG1499394
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/26/2020 00:08*	WG1499394
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/26/2020 00:08*	WG1499394

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.158		0.0247	0.100	1	06/29/2020 03:09	WG1497082
(S) o-Terphenyl	*47.5*			*31.0-160*		*06/29/2020 03:09*	WG1497082

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4960		28.2	100	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/30/2020 18:25	WG1499267

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	363		3.79	10.0	10	06/27/2020 14:48	WG1498064
Fluoride	1.45	J	0.640	1.50	10	06/27/2020 14:48	WG1498064
Sulfate	2530		59.4	500	100	06/27/2020 15:06	WG1498064

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00384		0.000735	0.00200	1	06/28/2020 23:11	WG1498750
Arsenic,Dissolved	0.00383		0.000735	0.00200	1	06/26/2020 15:10	WG1498726
Barium	0.00932	J	0.00778	0.0200	1	06/28/2020 23:11	WG1498750
Barium,Dissolved	0.00852	J	0.00778	0.0200	1	06/26/2020 15:10	WG1498726
Calcium	516		0.480	1.00	1	06/28/2020 23:11	WG1498750
Chromium	U		0.00149	0.00200	1	06/28/2020 23:11	WG1498750
Chromium,Dissolved	0.00150	J	0.00149	0.00200	1	06/26/2020 15:10	WG1498726
Iron	U		0.0489	0.100	1	06/28/2020 23:11	WG1498750
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 15:10	WG1498726
Lead	U		0.00249	0.00500	1	06/28/2020 23:11	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 15:10	WG1498726
Manganese	0.00677		0.00132	0.00500	1	06/28/2020 23:11	WG1498750
Manganese,Dissolved	0.00608		0.00132	0.00500	1	06/26/2020 15:10	WG1498726
Potassium	1.43	J	0.534	2.00	1	06/28/2020 23:11	WG1498750
Selenium	0.00602		0.000657	0.00200	1	06/28/2020 23:11	WG1498750
Selenium,Dissolved	0.00661		0.000657	0.00200	1	06/26/2020 15:10	WG1498726
Sodium	239		0.630	2.00	1	06/28/2020 23:11	WG1498750

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0332	J	0.0314	0.100	1	06/25/2020 20:53	WG1499248
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*06/25/2020 20:53*	WG1499248

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 07:39	WG1497261
Benzene	U		0.0000941	0.00100	1	06/23/2020 07:39	WG1497261
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 07:39	WG1497261
Bromoform	U		0.000129	0.00100	1	06/23/2020 07:39	WG1497261
Bromomethane	U		0.000605	0.00500	1	06/23/2020 07:39	WG1497261
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/23/2020 07:39	WG1497261
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 07:39	WG1497261
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 07:39	WG1497261
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 07:39	WG1497261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 07:39	WG1497261
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 07:39	WG1497261
Chloroethane	U		0.000192	0.00500	1	06/23/2020 07:39	WG1497261
Chloroform	U		0.000111	0.00500	1	06/23/2020 07:39	WG1497261
Chloromethane	U		0.000960	0.00250	1	06/23/2020 07:39	WG1497261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 07:39	WG1497261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 07:39	WG1497261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 07:39	WG1497261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 07:39	WG1497261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 07:39	WG1497261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 07:39	WG1497261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 07:39	WG1497261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 07:39	WG1497261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 07:39	WG1497261
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 07:39	WG1497261
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 07:39	WG1497261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 07:39	WG1497261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 07:39	WG1497261
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 07:39	WG1497261
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 07:39	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 07:39	WG1497261
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 07:39	WG1497261
Naphthalene	U		0.00100	0.00500	1	06/23/2020 07:39	WG1497261
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 07:39	WG1497261
Styrene	U		0.000118	0.00100	1	06/23/2020 07:39	WG1497261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 07:39	WG1497261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 07:39	WG1497261
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 07:39	WG1497261
Toluene	U		0.000278	0.00100	1	06/23/2020 07:39	WG1497261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 07:39	WG1497261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 07:39	WG1497261
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 07:39	WG1497261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 07:39	WG1497261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 07:39	WG1497261
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 07:39	WG1497261
o-Xylene	U		0.000174	0.00100	1	06/23/2020 07:39	WG1497261
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 07:39	WG1497261
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 07:39	WG1497261
(S) Toluene-d8	*106*			*80.0-120*		*06/23/2020 07:39*	WG1497261
(S) 4-Bromofluorobenzene	*99.9*			*77.0-126*		*06/23/2020 07:39*	WG1497261
(S) 1,2-Dichloroethane-d4	*130*			*70.0-130*		*06/23/2020 07:39*	WG1497261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/29/2020 02:08	WG1497082
(S) o-Terphenyl	*36.8*			*31.0-160*		*06/29/2020 02:08*	WG1497082

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3790		14.1	50.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.500	1.00	10	06/30/2020 18:26	WG1499267

Sample Narrative:

L1231128-33 WG1499267: diluted due to sulfide hit

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.0360	0.100	20	06/27/2020 20:49	WG1500401

Sample Narrative:

L1231128-33 WG1500401: Diluted due to sulfide.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	219		3.79	10.0	10	06/27/2020 16:01	WG1498064
Fluoride	1.18	J	0.640	1.50	10	06/27/2020 16:01	WG1498064
Sulfate	1660		59.4	500	100	06/27/2020 16:20	WG1498064

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	06/23/2020 21:52	WG1496610
Mercury,Dissolved	U		0.000100	0.000200	1	06/24/2020 12:02	WG1496616

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.432		0.0254	0.200	1	06/25/2020 22:09	WG1498738
Boron,Dissolved	0.448		0.0254	0.200	1	06/26/2020 08:27	WG1498719

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00559		0.000735	0.00200	1	06/28/2020 23:14	WG1498750
Arsenic,Dissolved	0.00547		0.000735	0.00200	1	06/26/2020 15:13	WG1498726
Barium	0.0188	J	0.00778	0.0200	1	06/28/2020 23:14	WG1498750
Barium,Dissolved	0.0186	J	0.00778	0.0200	1	06/26/2020 15:13	WG1498726
Cadmium	U		0.000478	0.00100	1	06/28/2020 23:14	WG1498750
Cadmium,Dissolved	U		0.000478	0.00100	1	06/26/2020 15:13	WG1498726
Calcium	424		0.480	1.00	1	06/28/2020 23:14	WG1498750
Chromium	U		0.00149	0.00200	1	06/28/2020 23:14	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 15:13	WG1498726
Cobalt	U		0.000477	0.00200	1	06/28/2020 23:14	WG1498750
Cobalt,Dissolved	U		0.000477	0.00200	1	06/26/2020 15:13	WG1498726
Iron	U		0.0489	0.100	1	06/28/2020 23:14	WG1498750
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 15:13	WG1498726

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead	U		0.00249	0.00500	1	06/28/2020 23:14	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 15:13	WG1498726
Manganese	0.229		0.00132	0.00500	1	06/28/2020 23:14	WG1498750
Manganese,Dissolved	0.241		0.00132	0.00500	1	06/26/2020 15:13	WG1498726
Nickel	0.00121	J	0.000952	0.00200	1	06/28/2020 23:14	WG1498750
Nickel,Dissolved	0.00123	J	0.000952	0.00200	1	06/26/2020 15:13	WG1498726
Potassium	U		0.534	2.00	1	06/28/2020 23:14	WG1498750
Selenium	U		0.000657	0.00200	1	06/28/2020 23:14	WG1498750
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 15:13	WG1498726
Sodium	176		0.630	2.00	1	06/28/2020 23:14	WG1498750
Uranium	U		0.00754	0.0200	1	06/28/2020 23:14	WG1498750
Uranium,Dissolved	U		0.00754	0.0200	1	06/26/2020 15:13	WG1498726
Vanadium	U		0.000986	0.00500	1	06/28/2020 23:14	WG1498750
Vanadium,Dissolved	U		0.000986	0.00500	1	06/26/2020 15:13	WG1498726

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.337		0.0314	0.100	1	06/25/2020 21:16	WG1499248
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*06/25/2020 21:16*	WG1499248

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 08:02	WG1497261
Benzene	0.00390		0.0000941	0.00100	1	06/23/2020 08:02	WG1497261
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 08:02	WG1497261
Bromoform	U		0.000129	0.00100	1	06/23/2020 08:02	WG1497261
Bromomethane	U		0.000605	0.00500	1	06/23/2020 08:02	WG1497261
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/23/2020 08:02	WG1497261
sec-Butylbenzene	0.00163		0.000125	0.00100	1	06/23/2020 08:02	WG1497261
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 08:02	WG1497261
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 08:02	WG1497261
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 08:02	WG1497261
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 08:02	WG1497261
Chloroethane	U		0.000192	0.00500	1	06/23/2020 08:02	WG1497261
Chloroform	U		0.000111	0.00500	1	06/23/2020 08:02	WG1497261
Chloromethane	U		0.000960	0.00250	1	06/23/2020 08:02	WG1497261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 08:02	WG1497261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 08:02	WG1497261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 08:02	WG1497261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 08:02	WG1497261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 08:02	WG1497261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 08:02	WG1497261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 08:02	WG1497261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 08:02	WG1497261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 08:02	WG1497261
Ethylbenzene	0.000296	J	0.000137	0.00100	1	06/23/2020 08:02	WG1497261
Isopropylbenzene	0.0126		0.000105	0.00100	1	06/23/2020 08:02	WG1497261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 08:02	WG1497261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 08:02	WG1497261
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 08:02	WG1497261
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 08:02	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 08:02	WG1497261
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 08:02	WG1497261

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

DUP-REST-04
Collected date/time: 06/17/20 10:00

SAMPLE RESULTS - 33

L1231128

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Naphthalene	U		0.00100	0.00500	1	06/23/2020 08:02	WG1497261
n-Propylbenzene	0.000948	J	0.0000993	0.00100	1	06/23/2020 08:02	WG1497261
Styrene	U		0.000118	0.00100	1	06/23/2020 08:02	WG1497261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 08:02	WG1497261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 08:02	WG1497261
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 08:02	WG1497261
Toluene	U		0.000278	0.00100	1	06/23/2020 08:02	WG1497261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 08:02	WG1497261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 08:02	WG1497261
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 08:02	WG1497261
1,2,4-Trimethylbenzene	0.000401	J	0.000322	0.00100	1	06/23/2020 08:02	WG1497261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 08:02	WG1497261
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 08:02	WG1497261
o-Xylene	U		0.000174	0.00100	1	06/23/2020 08:02	WG1497261
m&p-Xylene	0.00194	J	0.000430	0.00200	1	06/23/2020 08:02	WG1497261
Xylenes, Total	0.00194	J	0.000174	0.00300	1	06/23/2020 08:02	WG1497261
(S) Toluene-d8	*105*			*80.0-120*		*06/23/2020 08:02*	WG1497261
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*06/23/2020 08:02*	WG1497261
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*06/23/2020 08:02*	WG1497261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.707		0.0247	0.100	1	06/29/2020 04:09	WG1497082
(S) o-Terphenyl	*87.9*			*31.0-160*		*06/29/2020 04:09*	WG1497082

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	U		2.82	10.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/30/2020 18:28	WG1499267

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U	P1	0.379	1.00	1	06/27/2020 04:06	WG1498064
Fluoride	U		0.0640	0.150	1	06/27/2020 04:06	WG1498064
Sulfate	U	P1	0.594	5.00	1	06/27/2020 04:06	WG1498064

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	06/28/2020 23:18	WG1498750
Arsenic,Dissolved	U		0.000735	0.00200	1	06/26/2020 15:27	WG1498726
Barium	U		0.00778	0.0200	1	06/28/2020 23:18	WG1498750
Barium,Dissolved	U		0.00778	0.0200	1	06/26/2020 15:27	WG1498726
Calcium	U		0.480	1.00	1	06/28/2020 23:18	WG1498750
Chromium	U		0.00149	0.00200	1	06/28/2020 23:18	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 15:27	WG1498726
Iron	U		0.0489	0.100	1	06/28/2020 23:18	WG1498750
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 15:27	WG1498726
Lead	U		0.00249	0.00500	1	06/28/2020 23:18	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 15:27	WG1498726
Manganese	U		0.00132	0.00500	1	06/28/2020 23:18	WG1498750
Manganese,Dissolved	U		0.00132	0.00500	1	06/26/2020 15:27	WG1498726
Potassium	U		0.534	2.00	1	06/28/2020 23:18	WG1498750
Selenium	U		0.000657	0.00200	1	06/28/2020 23:18	WG1498750
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 15:27	WG1498726
Sodium	U		0.630	2.00	1	06/28/2020 23:18	WG1498750

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0432	J	0.0314	0.100	1	06/25/2020 21:39	WG1499248
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*06/25/2020 21:39*	WG1499248

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 08:26	WG1497261
Benzene	U		0.0000941	0.00100	1	06/23/2020 08:26	WG1497261
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 08:26	WG1497261
Bromoform	U		0.000129	0.00100	1	06/23/2020 08:26	WG1497261
Bromomethane	U		0.000605	0.00500	1	06/23/2020 08:26	WG1497261
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/23/2020 08:26	WG1497261
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 08:26	WG1497261
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 08:26	WG1497261
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 08:26	WG1497261

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 08:26	WG1497261
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 08:26	WG1497261
Chloroethane	U		0.000192	0.00500	1	06/23/2020 08:26	WG1497261
Chloroform	U		0.000111	0.00500	1	06/23/2020 08:26	WG1497261
Chloromethane	U		0.000960	0.00250	1	06/23/2020 08:26	WG1497261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 08:26	WG1497261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 08:26	WG1497261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 08:26	WG1497261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 08:26	WG1497261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 08:26	WG1497261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 08:26	WG1497261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 08:26	WG1497261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 08:26	WG1497261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 08:26	WG1497261
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 08:26	WG1497261
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 08:26	WG1497261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 08:26	WG1497261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 08:26	WG1497261
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 08:26	WG1497261
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 08:26	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 08:26	WG1497261
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 08:26	WG1497261
Naphthalene	U		0.00100	0.00500	1	06/23/2020 08:26	WG1497261
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 08:26	WG1497261
Styrene	U		0.000118	0.00100	1	06/23/2020 08:26	WG1497261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 08:26	WG1497261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 08:26	WG1497261
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 08:26	WG1497261
Toluene	U		0.000278	0.00100	1	06/23/2020 08:26	WG1497261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 08:26	WG1497261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 08:26	WG1497261
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 08:26	WG1497261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 08:26	WG1497261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 08:26	WG1497261
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 08:26	WG1497261
o-Xylene	U		0.000174	0.00100	1	06/23/2020 08:26	WG1497261
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 08:26	WG1497261
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 08:26	WG1497261
(S) Toluene-d8	*107*			*80.0-120*		*06/23/2020 08:26*	WG1497261
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*06/23/2020 08:26*	WG1497261
(S) 1,2-Dichloroethane-d4	*127*			*70.0-130*		*06/23/2020 08:26*	WG1497261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/29/2020 01:48	WG1497082
(S) o-Terphenyl	*45.7*			*31.0-160*		*06/29/2020 01:48*	WG1497082

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	U		2.82	10.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/30/2020 18:29	WG1499267

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	06/27/2020 16:38	WG1498064
Fluoride	U		0.0640	0.150	1	06/27/2020 16:38	WG1498064
Sulfate	U		0.594	5.00	1	06/27/2020 16:38	WG1498064

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	06/28/2020 23:21	WG1498750
Arsenic,Dissolved	U		0.000735	0.00200	1	06/26/2020 15:30	WG1498726
Barium	U		0.00778	0.0200	1	06/28/2020 23:21	WG1498750
Barium,Dissolved	U		0.00778	0.0200	1	06/26/2020 15:30	WG1498726
Calcium	U		0.480	1.00	1	06/28/2020 23:21	WG1498750
Chromium	U		0.00149	0.00200	1	06/28/2020 23:21	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 15:30	WG1498726
Iron	U		0.0489	0.100	1	06/28/2020 23:21	WG1498750
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 15:30	WG1498726
Lead	U		0.00249	0.00500	1	06/28/2020 23:21	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 15:30	WG1498726
Manganese	U		0.00132	0.00500	1	06/28/2020 23:21	WG1498750
Manganese,Dissolved	U		0.00132	0.00500	1	06/26/2020 15:30	WG1498726
Potassium	U		0.534	2.00	1	06/28/2020 23:21	WG1498750
Selenium	U		0.000657	0.00200	1	06/28/2020 23:21	WG1498750
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 15:30	WG1498726
Sodium	U		0.630	2.00	1	06/28/2020 23:21	WG1498750

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0434	J	0.0314	0.100	1	06/25/2020 22:02	WG1499248
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*06/25/2020 22:02*	WG1499248

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 08:50	WG1497261
Benzene	U		0.0000941	0.00100	1	06/23/2020 08:50	WG1497261
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 08:50	WG1497261
Bromoform	U		0.000129	0.00100	1	06/23/2020 08:50	WG1497261
Bromomethane	U		0.000605	0.00500	1	06/23/2020 08:50	WG1497261
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/23/2020 08:50	WG1497261
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 08:50	WG1497261
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 08:50	WG1497261
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 08:50	WG1497261

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 08:50	WG1497261
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 08:50	WG1497261
Chloroethane	U		0.000192	0.00500	1	06/23/2020 08:50	WG1497261
Chloroform	U		0.000111	0.00500	1	06/23/2020 08:50	WG1497261
Chloromethane	U		0.000960	0.00250	1	06/23/2020 08:50	WG1497261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 08:50	WG1497261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 08:50	WG1497261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 08:50	WG1497261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 08:50	WG1497261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 08:50	WG1497261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 08:50	WG1497261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 08:50	WG1497261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 08:50	WG1497261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 08:50	WG1497261
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 08:50	WG1497261
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 08:50	WG1497261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 08:50	WG1497261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 08:50	WG1497261
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 08:50	WG1497261
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 08:50	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 08:50	WG1497261
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 08:50	WG1497261
Naphthalene	U		0.00100	0.00500	1	06/23/2020 08:50	WG1497261
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 08:50	WG1497261
Styrene	U		0.000118	0.00100	1	06/23/2020 08:50	WG1497261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 08:50	WG1497261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 08:50	WG1497261
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 08:50	WG1497261
Toluene	U		0.000278	0.00100	1	06/23/2020 08:50	WG1497261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 08:50	WG1497261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 08:50	WG1497261
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 08:50	WG1497261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 08:50	WG1497261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 08:50	WG1497261
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 08:50	WG1497261
o-Xylene	U		0.000174	0.00100	1	06/23/2020 08:50	WG1497261
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 08:50	WG1497261
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 08:50	WG1497261
(S) Toluene-d8	*107*			*80.0-120*		*06/23/2020 08:50*	WG1497261
(S) 4-Bromofluorobenzene	*98.3*			*77.0-126*		*06/23/2020 08:50*	WG1497261
(S) 1,2-Dichloroethane-d4	*128*			*70.0-130*		*06/23/2020 08:50*	WG1497261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/29/2020 02:48	WG1497082
(S) o-Terphenyl	*46.8*			*31.0-160*		*06/29/2020 02:48*	WG1497082

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	U		2.82	10.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/30/2020 18:31	WG1499267

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	06/27/2020 20:50	WG1500401

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	U		0.379	1.00	1	06/27/2020 16:57	WG1498064
Fluoride	U		0.0640	0.150	1	06/27/2020 16:57	WG1498064
Sulfate	U		0.594	5.00	1	06/27/2020 16:57	WG1498064

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/23/2020 21:59	WG1496610
Mercury,Dissolved	U		0.000100	0.000200	1	06/24/2020 12:05	WG1496616

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	U		0.0254	0.200	1	06/25/2020 22:11	WG1498738
Boron,Dissolved	U		0.0254	0.200	1	06/26/2020 08:30	WG1498719

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	U		0.000735	0.00200	1	06/28/2020 23:25	WG1498750
Arsenic,Dissolved	U		0.000735	0.00200	1	06/26/2020 15:34	WG1498726
Barium	U		0.00778	0.0200	1	06/28/2020 23:25	WG1498750
Barium,Dissolved	U		0.00778	0.0200	1	06/26/2020 15:34	WG1498726
Cadmium	U		0.000478	0.00100	1	06/28/2020 23:25	WG1498750
Cadmium,Dissolved	U		0.000478	0.00100	1	06/26/2020 15:34	WG1498726
Calcium	U		0.480	1.00	1	06/28/2020 23:25	WG1498750
Chromium	U		0.00149	0.00200	1	06/28/2020 23:25	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 15:34	WG1498726
Cobalt	U		0.000477	0.00200	1	06/28/2020 23:25	WG1498750
Cobalt,Dissolved	U		0.000477	0.00200	1	06/26/2020 15:34	WG1498726
Iron	U		0.0489	0.100	1	06/28/2020 23:25	WG1498750
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 15:34	WG1498726
Lead	U		0.00249	0.00500	1	06/28/2020 23:25	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 15:34	WG1498726
Manganese	0.00177	J	0.00132	0.00500	1	06/28/2020 23:25	WG1498750
Manganese,Dissolved	U		0.00132	0.00500	1	06/26/2020 15:34	WG1498726
Nickel	U		0.000952	0.00200	1	06/28/2020 23:25	WG1498750
Nickel,Dissolved	U		0.000952	0.00200	1	06/26/2020 15:34	WG1498726

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Potassium	U		0.534	2.00	1	06/28/2020 23:25	WG1498750
Selenium	U		0.000657	0.00200	1	06/28/2020 23:25	WG1498750
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 15:34	WG1498726
Sodium	U		0.630	2.00	1	06/28/2020 23:25	WG1498750
Uranium	U		0.00754	0.0200	1	06/28/2020 23:25	WG1498750
Uranium,Dissolved	U		0.00754	0.0200	1	06/26/2020 15:34	WG1498726
Vanadium	U		0.000986	0.00500	1	06/28/2020 23:25	WG1498750
Vanadium,Dissolved	U		0.000986	0.00500	1	06/26/2020 15:34	WG1498726

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.0360	B J	0.0314	0.100	1	06/26/2020 14:36	WG1499718
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*06/26/2020 14:36*	WG1499718

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/23/2020 09:14	WG1497261
Benzene	U		0.0000941	0.00100	1	06/23/2020 09:14	WG1497261
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 09:14	WG1497261
Bromoform	U		0.000129	0.00100	1	06/23/2020 09:14	WG1497261
Bromomethane	U		0.000605	0.00500	1	06/23/2020 09:14	WG1497261
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/23/2020 09:14	WG1497261
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 09:14	WG1497261
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 09:14	WG1497261
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 09:14	WG1497261
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 09:14	WG1497261
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 09:14	WG1497261
Chloroethane	U		0.000192	0.00500	1	06/23/2020 09:14	WG1497261
Chloroform	U		0.000111	0.00500	1	06/23/2020 09:14	WG1497261
Chloromethane	U		0.000960	0.00250	1	06/23/2020 09:14	WG1497261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 09:14	WG1497261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 09:14	WG1497261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 09:14	WG1497261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 09:14	WG1497261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 09:14	WG1497261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 09:14	WG1497261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 09:14	WG1497261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 09:14	WG1497261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 09:14	WG1497261
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 09:14	WG1497261
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 09:14	WG1497261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 09:14	WG1497261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 09:14	WG1497261
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 09:14	WG1497261
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 09:14	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 09:14	WG1497261
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 09:14	WG1497261
Naphthalene	U		0.00100	0.00500	1	06/23/2020 09:14	WG1497261
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 09:14	WG1497261
Styrene	U		0.000118	0.00100	1	06/23/2020 09:14	WG1497261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 09:14	WG1497261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 09:14	WG1497261
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 09:14	WG1497261

Received by OCD: 11/22/2022 9:46:04 AM

LB-RES1-04
Collected date/time: 06/17/20 12:05
L1231128

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Toluene	U		0.000278	0.00100	1	06/23/2020 09:14	WG1497261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 09:14	WG1497261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 09:14	WG1497261
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 09:14	WG1497261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 09:14	WG1497261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 09:14	WG1497261
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 09:14	WG1497261
o-Xylene	U		0.000174	0.00100	1	06/23/2020 09:14	WG1497261
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 09:14	WG1497261
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 09:14	WG1497261
(S) Toluene-d8	*107*			*80.0-120*		*06/23/2020 09:14*	WG1497261
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/23/2020 09:14*	WG1497261
(S) 1,2-Dichloroethane-d4	*130*			*70.0-130*		*06/23/2020 09:14*	WG1497261

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/29/2020 02:28	WG1497082
(S) o-Terphenyl	*32.5*			*31.0-160*		*06/29/2020 02:28*	WG1497082

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

Released to Imaging: 11/22/2022 9:50:00 AM

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 01:41	WG1497261
Benzene	U		0.0000941	0.00100	1	06/23/2020 01:41	WG1497261
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 01:41	WG1497261
Bromoform	U		0.000129	0.00100	1	06/23/2020 01:41	WG1497261
Bromomethane	U		0.000605	0.00500	1	06/23/2020 01:41	WG1497261
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/23/2020 01:41	WG1497261
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 01:41	WG1497261
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 01:41	WG1497261
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 01:41	WG1497261
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 01:41	WG1497261
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 01:41	WG1497261
Chloroethane	U		0.000192	0.00500	1	06/23/2020 01:41	WG1497261
Chloroform	U		0.000111	0.00500	1	06/23/2020 01:41	WG1497261
Chloromethane	U		0.000960	0.00250	1	06/23/2020 01:41	WG1497261
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 01:41	WG1497261
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 01:41	WG1497261
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 01:41	WG1497261
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 01:41	WG1497261
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 01:41	WG1497261
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 01:41	WG1497261
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 01:41	WG1497261
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 01:41	WG1497261
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 01:41	WG1497261
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 01:41	WG1497261
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 01:41	WG1497261
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 01:41	WG1497261
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 01:41	WG1497261
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 01:41	WG1497261
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 01:41	WG1497261
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 01:41	WG1497261
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 01:41	WG1497261
Naphthalene	U		0.00100	0.00500	1	06/23/2020 01:41	WG1497261
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 01:41	WG1497261
Styrene	U		0.000118	0.00100	1	06/23/2020 01:41	WG1497261
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 01:41	WG1497261
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 01:41	WG1497261
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 01:41	WG1497261
Toluene	U		0.000278	0.00100	1	06/23/2020 01:41	WG1497261
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 01:41	WG1497261
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 01:41	WG1497261
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 01:41	WG1497261
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 01:41	WG1497261
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 01:41	WG1497261
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 01:41	WG1497261
o-Xylene	U		0.000174	0.00100	1	06/23/2020 01:41	WG1497261
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 01:41	WG1497261
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 01:41	WG1497261
(S) Toluene-d8	*108*			*80.0-120*		*06/23/2020 01:41*	WG1497261
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*06/23/2020 01:41*	WG1497261
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*06/23/2020 01:41*	WG1497261

Method Blank (MB)

(MB) R3543608-1 06/24/20 21:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1231128-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-10 06/24/20 21:57 • (DUP) R3543608-3 06/24/20 21:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1250	1280	1	1.74		5

L1231128-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-18 06/24/20 21:57 • (DUP) R3543608-4 06/24/20 21:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1070	1080	1	0.372		5

Laboratory Control Sample (LCS)

(LCS) R3543608-2 06/24/20 21:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8830	100	85.0-115	

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Method Blank (MB)

(MB) R3543540-1 06/24/20 23:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1231128-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-22 06/24/20 23:15 • (DUP) R3543540-3 06/24/20 23:15

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1220	1210	1	0.659		5

L1231153-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1231153-04 06/24/20 23:15 • (DUP) R3543540-4 06/24/20 23:15

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2700	2780	1	2.93		5

Laboratory Control Sample (LCS)

(LCS) R3543540-2 06/24/20 23:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8900	101	85.0-115	

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Method Blank (MB)

(MB) R3543730-1 06/27/20 15:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1230262-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1230262-17 06/27/20 15:06 • (DUP) R3543730-3 06/27/20 15:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.303	0.301	1	0.662		20

L1230912-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1230912-01 06/27/20 15:29 • (DUP) R3543730-6 06/27/20 15:30

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.105	0.108	1	2.82		20

Laboratory Control Sample (LCS)

(LCS) R3543730-2 06/27/20 15:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	5.00	4.03	101	90.0-110	

L1230262-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230262-19 06/27/20 15:10 • (MS) R3543730-4 06/27/20 15:11 • (MSD) R3543730-5 06/27/20 15:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	U	2.66	2.67	106	107	1	90.0-110			0.375	20

L1230912-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230912-02 06/27/20 15:35 • (MS) R3543730-7 06/27/20 15:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	0.184	2.82	105	1	90.0-110	

Method Blank (MB)

(MB) R3544433-1 06/29/20 16:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1231128-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-15 06/29/20 16:50 • (DUP) R3544433-6 06/29/20 16:51

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

L1231128-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-04 06/29/20 17:25 • (DUP) R3544433-8 06/29/20 17:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3544433-2 06/29/20 16:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	3.92	98.0	90.0-110	

L1231128-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231128-07 06/29/20 16:34 • (MS) R3544433-4 06/29/20 16:35 • (MSD) R3544433-5 06/29/20 16:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	1.73	4.42	4.52	108	112	1	90.0-110		J5	2.24	20

L1231128-17 Original Sample (OS) • Matrix Spike (MS)

(OS) L1231128-17 06/29/20 16:57 • (MS) R3544433-7 06/29/20 16:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	U	2.73	109	1	90.0-110	

Method Blank (MB)

(MB) R3544839-1 06/30/20 18:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1231128-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-27 06/30/20 18:11 • (DUP) R3544839-3 06/30/20 18:13

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	10	0.000		20

Sample Narrative:

OS: diluted due to sulfide hit

L1231128-35 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-35 06/30/20 18:29 • (DUP) R3544839-6 06/30/20 18:30

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3544839-2 06/30/20 18:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	4.14	104	90.0-110	

L1231128-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231128-30 06/30/20 18:20 • (MS) R3544839-4 06/30/20 18:21 • (MSD) R3544839-5 06/30/20 18:23

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.386	2.85	2.89	98.6	100	1	90.0-110			1.39	20

L1231153-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1231153-01 06/30/20 18:36 • (MS) R3544839-7 06/30/20 18:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	U	2.48	99.2	1	90.0-110	

Method Blank (MB)

(MB) R3543775-1 06/27/20 20:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1230488-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1230488-02 06/27/20 20:34 • (DUP) R3543775-3 06/27/20 20:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	0.00258	0.00199	1	0.000		20

L1231185-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1231185-04 06/27/20 20:57 • (DUP) R3543775-6 06/27/20 20:58

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	0.00249	0.00236	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3543775-2 06/27/20 20:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.0970	97.0	90.0-110	

L1231185-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231185-02 06/27/20 20:52 • (MS) R3543775-4 06/27/20 20:55 • (MSD) R3543775-5 06/27/20 20:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0985	0.0976	98.5	97.6	1	75.0-125			0.918	20

L1231486-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231486-01 06/27/20 20:59 • (MS) R3543775-7 06/27/20 21:00 • (MSD) R3543775-8 06/27/20 21:01

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.00240	0.0910	0.0988	88.6	96.4	1	75.0-125			8.22	20

Method Blank (MB)

(MB) R3543552-1 06/25/20 20:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1231128-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-04 06/25/20 22:47 • (DUP) R3543552-3 06/25/20 23:10

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	95.6	97.0	1	1.51		15
Fluoride	1.39	1.41	1	1.43		15

L1231128-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-04 06/26/20 00:21 • (DUP) R3543552-5 06/26/20 00:39

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	316	308	50	2.60		15

L1231128-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-18 06/26/20 11:06 • (DUP) R3543552-8 06/26/20 11:24

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	1.13	1.12	1	0.0995		15
Sulfate	1.16	1.17	1	0.683	J	15

L1231128-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-18 06/26/20 11:42 • (DUP) R3543552-9 06/26/20 12:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	188	192	5	2.09		15

Laboratory Control Sample (LCS)

(LCS) R3543552-2 06/25/20 20:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.8	99.5	80.0-120	
Fluoride	8.00	7.96	99.5	80.0-120	
Sulfate	40.0	40.8	102	80.0-120	

L1231128-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1231128-04 06/25/20 22:47 • (MS) R3543552-4 06/26/20 00:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	95.6	142	93.1	1	80.0-120	E
Fluoride	5.00	1.39	6.17	95.6	1	80.0-120	
Sulfate	50.0	357	379	44.8	1	80.0-120	E V

L1231128-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231128-16 06/26/20 08:43 • (MS) R3543552-6 06/26/20 09:01 • (MSD) R3543552-7 06/26/20 09:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	224	261	260	74.0	72.7	1	80.0-120	E V	E V	0.265	15
Fluoride	5.00	0.778	5.16	5.18	87.7	88.0	1	80.0-120			0.266	15
Sulfate	50.0	444	445	444	2.61	0.0724	1	80.0-120	E V	E V	0.286	15

Method Blank (MB)

(MB) R3544238-1 06/27/20 03:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1231128-34 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-34 06/27/20 04:06 • (DUP) R3544238-3 06/27/20 04:25

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	0.588	1	200	J P1	15
Fluoride	U	U	1	0.000		15
Sulfate	U	1.00	1	200	J P1	15

L1231128-36 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-36 06/27/20 16:57 • (DUP) R3544238-5 06/27/20 17:15

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

Laboratory Control Sample (LCS)

(LCS) R3544238-2 06/27/20 03:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.4	98.6	80.0-120	
Fluoride	8.00	8.10	101	80.0-120	
Sulfate	40.0	39.6	98.9	80.0-120	

L1231128-34 Original Sample (OS) • Matrix Spike (MS)

(OS) L1231128-34 06/27/20 04:06 • (MS) R3544238-4 06/27/20 04:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	U	51.5	103	1	80.0-120	
Fluoride	5.00	U	4.88	97.6	1	80.0-120	
Sulfate	50.0	U	51.9	104	1	80.0-120	

L1231149-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231149-01 06/27/20 18:29 • (MS) R3544238-6 06/27/20 18:47 • (MSD) R3544238-7 06/27/20 19:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	33.9	80.2	80.8	92.7	93.8	1	80.0-120			0.656	15
Fluoride	5.00	0.289	5.02	5.05	94.6	95.3	1	80.0-120			0.657	15
Sulfate	50.0	48.7	95.6	95.8	93.9	94.2	1	80.0-120			0.133	15

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Method Blank (MB)

(MB) R3541878-1 06/23/20 12:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3541878-2 06/23/20 12:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00308	103	80.0-120	

L1230972-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230972-03 06/23/20 12:09 • (MS) R3541878-3 06/23/20 12:11 • (MSD) R3541878-4 06/23/20 12:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00295	0.00297	98.3	99.0	1	75.0-125			0.676	20

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3542120-1 06/23/20 21:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3542120-2 06/23/20 21:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00265	88.3	80.0-120	

L1231128-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231128-19 06/23/20 21:41 • (MS) R3542120-3 06/23/20 21:43 • (MSD) R3542120-4 06/23/20 21:45

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00234	0.00216	78.0	72.0	1	75.0-125		J6	8.00	20

Method Blank (MB)

(MB) R3541597-1 06/22/20 17:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3541597-2 06/22/20 17:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00284	94.7	80.0-120	

L1231128-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231128-21 06/22/20 17:20 • (MS) R3541597-3 06/22/20 17:22 • (MSD) R3541597-4 06/22/20 17:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00205	0.00206	68.3	68.6	1	75.0-125	J6	J6	0.434	20

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3542432-1 06/24/20 10:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3542432-2 06/24/20 11:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00292	97.3	80.0-120	

L1231593-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231593-03 06/24/20 11:53 • (MS) R3542432-3 06/24/20 11:55 • (MSD) R3542432-4 06/24/20 11:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00295	0.00295	98.3	98.3	1	75.0-125			0.000	20

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3543166-1 06/25/20 22:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3543166-2 06/25/20 22:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.986	98.6	80.0-120	

L1230952-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230952-01 06/25/20 22:19 • (MS) R3543166-4 06/25/20 22:24 • (MSD) R3543166-5 06/25/20 22:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.218	1.25	1.22	103	99.8	1	75.0-125			2.68	20

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

Method Blank (MB)

(MB) R3543383-1 06/26/20 07:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3543383-2 06/26/20 07:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.990	99.0	80.0-120	

L1231158-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231158-17 06/26/20 07:57 • (MS) R3543383-4 06/26/20 08:03 • (MSD) R3543383-5 06/26/20 08:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.163	1.14	1.17	97.5	101	1	75.0-125			3.09	20

Method Blank (MB)

(MB) R3543159-1 06/25/20 21:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3543159-2 06/25/20 21:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.999	99.9	80.0-120	

L1231059-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231059-13 06/25/20 21:06 • (MS) R3543159-4 06/25/20 21:12 • (MSD) R3543159-5 06/25/20 21:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.0864	1.09	1.09	101	101	1	75.0-125			0.0261	20

Method Blank (MB)

(MB) R3543129-1 06/25/20 21:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Cadmium,Dissolved	U		0.000478	0.00100
Chromium,Dissolved	U		0.00149	0.00200
Cobalt,Dissolved	U		0.000477	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Nickel,Dissolved	U		0.000952	0.00200
Selenium,Dissolved	U		0.000657	0.00200
Uranium,Dissolved	U		0.00754	0.0200
Vanadium,Dissolved	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3543129-2 06/25/20 21:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0485	97.0	80.0-120	
Barium,Dissolved	0.0500	0.0492	98.5	80.0-120	
Cadmium,Dissolved	0.0500	0.0502	100	80.0-120	
Chromium,Dissolved	0.0500	0.0499	99.8	80.0-120	
Cobalt,Dissolved	0.0500	0.0502	100	80.0-120	
Iron,Dissolved	5.00	5.03	101	80.0-120	
Lead,Dissolved	0.0500	0.0478	95.5	80.0-120	
Manganese,Dissolved	0.0500	0.0496	99.3	80.0-120	
Nickel,Dissolved	0.0500	0.0502	100	80.0-120	
Selenium,Dissolved	0.0500	0.0500	100	80.0-120	
Uranium,Dissolved	0.0500	0.0480	96.0	80.0-120	
Vanadium,Dissolved	0.0500	0.0492	98.4	80.0-120	

L1231071-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231071-03 06/25/20 21:08 • (MS) R3543129-4 06/25/20 21:14 • (MSD) R3543129-5 06/25/20 21:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00200	0.0521	0.0496	100	95.1	1	75.0-125			4.97	20
Barium,Dissolved	0.0500	0.135	0.184	0.178	98.0	86.1	1	75.0-125			3.29	20
Cadmium,Dissolved	0.0500	0.000811	0.0514	0.0525	101	103	1	75.0-125			2.01	20

L1231071-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231071-03 06/25/20 21:08 • (MS) R3543129-4 06/25/20 21:14 • (MSD) R3543129-5 06/25/20 21:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	U	0.0501	0.0481	100	96.1	1	75.0-125			4.14	20
Cobalt,Dissolved	0.0500	0.0133	0.0636	0.0599	101	93.1	1	75.0-125			6.01	20
Iron,Dissolved	5.00	0.952	6.34	6.00	108	101	1	75.0-125			5.62	20
Lead,Dissolved	0.0500	U	0.0483	0.0481	96.5	96.1	1	75.0-125			0.378	20
Manganese,Dissolved	0.0500	6.74	6.83	6.46	197	0.000	1	75.0-125	V	V	5.60	20
Nickel,Dissolved	0.0500	0.0347	0.0864	0.0807	103	91.9	1	75.0-125			6.82	20
Selenium,Dissolved	0.0500	U	0.0511	0.0491	102	98.3	1	75.0-125			3.84	20
Uranium,Dissolved	0.0500	U	0.0515	0.0516	103	103	1	75.0-125			0.210	20
Vanadium,Dissolved	0.0500	U	0.0511	0.0485	102	97.1	1	75.0-125			5.22	20

Method Blank (MB)

(MB) R3543505-1 06/26/20 13:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Cadmium,Dissolved	U		0.000478	0.00100
Chromium,Dissolved	U		0.00149	0.00200
Cobalt,Dissolved	U		0.000477	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Nickel,Dissolved	U		0.000952	0.00200
Selenium,Dissolved	U		0.000657	0.00200
Uranium,Dissolved	U		0.00754	0.0200
Vanadium,Dissolved	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3543505-2 06/26/20 13:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0516	103	80.0-120	
Barium,Dissolved	0.0500	0.0478	95.7	80.0-120	
Cadmium,Dissolved	0.0500	0.0536	107	80.0-120	
Chromium,Dissolved	0.0500	0.0536	107	80.0-120	
Cobalt,Dissolved	0.0500	0.0532	106	80.0-120	
Iron,Dissolved	5.00	5.55	111	80.0-120	
Lead,Dissolved	0.0500	0.0502	100	80.0-120	
Manganese,Dissolved	0.0500	0.0514	103	80.0-120	
Nickel,Dissolved	0.0500	0.0541	108	80.0-120	
Selenium,Dissolved	0.0500	0.0519	104	80.0-120	
Uranium,Dissolved	0.0500	0.0508	102	80.0-120	
Vanadium,Dissolved	0.0500	0.0518	104	80.0-120	

L1231128-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231128-20 06/26/20 13:58 • (MS) R3543505-4 06/26/20 14:05 • (MSD) R3543505-5 06/26/20 14:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0357	0.0845	0.0872	97.6	103	1	75.0-125			3.16	20
Barium,Dissolved	0.0500	0.0178	0.0673	0.0681	98.9	101	1	75.0-125			1.22	20
Cadmium,Dissolved	0.0500	U	0.0529	0.0550	106	110	1	75.0-125			3.93	20

L1231128-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231128-20 06/26/20 13:58 • (MS) R3543505-4 06/26/20 14:05 • (MSD) R3543505-5 06/26/20 14:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	U	0.0504	0.0521	101	104	1	75.0-125			3.45	20
Cobalt,Dissolved	0.0500	0.00189	0.0515	0.0527	99.3	102	1	75.0-125			2.28	20
Iron,Dissolved	5.00	0.0695	5.07	5.18	100	102	1	75.0-125			2.29	20
Lead,Dissolved	0.0500	U	0.0489	0.0511	97.9	102	1	75.0-125			4.30	20
Manganese,Dissolved	0.0500	0.364	0.415	0.418	103	109	1	75.0-125			0.738	20
Nickel,Dissolved	0.0500	0.00343	0.0528	0.0547	98.7	103	1	75.0-125			3.52	20
Selenium,Dissolved	0.0500	U	0.0527	0.0537	105	107	1	75.0-125			1.86	20
Uranium,Dissolved	0.0500	U	0.0544	0.0561	109	112	1	75.0-125			3.08	20
Vanadium,Dissolved	0.0500	U	0.0513	0.0530	103	106	1	75.0-125			3.27	20

Method Blank (MB)

(MB) R3543678-1 06/27/20 00:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3543678-2 06/27/20 00:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0502	100	80.0-120	
Barium	0.0500	0.0504	101	80.0-120	
Cadmium	0.0500	0.0532	106	80.0-120	
Calcium	5.00	5.34	107	80.0-120	
Chromium	0.0500	0.0510	102	80.0-120	
Cobalt	0.0500	0.0516	103	80.0-120	
Iron	5.00	5.20	104	80.0-120	
Lead	0.0500	0.0524	105	80.0-120	
Manganese	0.0500	0.0498	99.7	80.0-120	
Nickel	0.0500	0.0519	104	80.0-120	
Potassium	5.00	5.16	103	80.0-120	
Selenium	0.0500	0.0503	101	80.0-120	
Sodium	5.00	5.23	105	80.0-120	
Uranium	0.0500	0.0513	103	80.0-120	
Vanadium	0.0500	0.0494	98.9	80.0-120	

L1231071-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231071-01 06/27/20 00:27 • (MS) R3543678-4 06/27/20 00:34 • (MSD) R3543678-5 06/27/20 00:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	U	0.0513	0.0501	103	100	1	75.0-125			2.41	20
Barium	0.0500	0.109	0.158	0.156	99.1	94.0	1	75.0-125			1.64	20
Cadmium	0.0500	0.00252	0.0557	0.0569	106	109	1	75.0-125			2.14	20
Calcium	5.00	54.1	58.8	58.2	94.1	81.4	1	75.0-125			1.09	20
Chromium	0.0500	U	0.0509	0.0515	102	103	1	75.0-125			1.22	20
Cobalt	0.0500	0.00581	0.0577	0.0571	104	103	1	75.0-125			1.12	20
Potassium	5.00	9.86	14.8	14.7	99.0	97.6	1	75.0-125			0.488	20
Iron	5.00	0.126	5.34	5.38	104	105	1	75.0-125			0.910	20
Lead	0.0500	U	0.0534	0.0525	107	105	1	75.0-125			1.79	20
Manganese	0.0500	1.14	1.19	1.19	99.1	116	1	75.0-125			0.710	20
Nickel	0.0500	0.0232	0.0752	0.0749	104	103	1	75.0-125			0.401	20
Selenium	0.0500	U	0.0486	0.0518	97.2	104	1	75.0-125			6.35	20
Sodium	5.00	11.8	16.9	16.8	102	100	1	75.0-125			0.562	20
Uranium	0.0500	U	0.0521	0.0514	104	103	1	75.0-125			1.23	20
Vanadium	0.0500	U	0.0508	0.0505	102	101	1	75.0-125			0.550	20

Method Blank (MB)

(MB) R3543770-1 06/27/20 19:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3543770-2 06/27/20 19:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0486	97.2	80.0-120	
Barium	0.0500	0.0509	102	80.0-120	
Cadmium	0.0500	0.0507	101	80.0-120	
Calcium	5.00	4.87	97.4	80.0-120	
Chromium	0.0500	0.0496	99.1	80.0-120	
Cobalt	0.0500	0.0499	99.7	80.0-120	
Iron	5.00	5.13	103	80.0-120	
Lead	0.0500	0.0499	99.7	80.0-120	
Manganese	0.0500	0.0500	99.9	80.0-120	
Nickel	0.0500	0.0498	99.7	80.0-120	
Potassium	5.00	4.72	94.4	80.0-120	
Selenium	0.0500	0.0501	100	80.0-120	
Sodium	5.00	4.79	95.7	80.0-120	
Uranium	0.0500	0.0492	98.4	80.0-120	
Vanadium	0.0500	0.0484	96.8	80.0-120	

L1231128-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231128-07 06/27/20 19:45 • (MS) R3543770-4 06/27/20 19:52 • (MSD) R3543770-5 06/27/20 19:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00368	0.0519	0.0510	96.5	94.6	1	75.0-125			1.91	20
Barium	0.0500	0.00896	0.0605	0.0612	103	105	1	75.0-125			1.12	20
Cadmium	0.0500	U	0.0514	0.0522	103	104	1	75.0-125			1.47	20
Calcium	5.00	515	525	522	209	133	1	75.0-125	V	V	0.731	20
Chromium	0.0500	U	0.0499	0.0494	99.7	98.7	1	75.0-125			1.01	20
Cobalt	0.0500	U	0.0484	0.0468	96.7	93.5	1	75.0-125			3.38	20
Potassium	5.00	1.51	6.44	6.13	98.6	92.4	1	75.0-125			4.92	20
Iron	5.00	U	4.86	4.69	97.2	93.9	1	75.0-125			3.46	20
Lead	0.0500	U	0.0501	0.0504	100	101	1	75.0-125			0.597	20
Manganese	0.0500	0.00741	0.0559	0.0535	97.1	92.1	1	75.0-125			4.52	20
Nickel	0.0500	0.00123	0.0479	0.0472	93.3	91.9	1	75.0-125			1.51	20
Selenium	0.0500	0.00631	0.0559	0.0555	99.2	98.3	1	75.0-125			0.830	20
Sodium	5.00	234	237	234	72.4	9.14	1	75.0-125	V	V	1.34	20
Uranium	0.0500	0.0433	0.0951	0.0944	104	102	1	75.0-125			0.730	20
Vanadium	0.0500	0.0198	0.0688	0.0681	97.9	96.5	1	75.0-125			0.985	20

Method Blank (MB)

(MB) R3544019-1 06/28/20 22:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3544019-2 06/28/20 22:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0489	97.7	80.0-120	
Barium	0.0500	0.0516	103	80.0-120	
Cadmium	0.0500	0.0512	102	80.0-120	
Calcium	5.00	5.01	100	80.0-120	
Chromium	0.0500	0.0509	102	80.0-120	
Cobalt	0.0500	0.0513	103	80.0-120	
Iron	5.00	5.11	102	80.0-120	
Lead	0.0500	0.0497	99.4	80.0-120	
Manganese	0.0500	0.0507	101	80.0-120	
Nickel	0.0500	0.0510	102	80.0-120	
Potassium	5.00	4.95	99.1	80.0-120	
Selenium	0.0500	0.0490	98.1	80.0-120	
Sodium	5.00	5.12	102	80.0-120	
Uranium	0.0500	0.0507	101	80.0-120	
Vanadium	0.0500	0.0497	99.3	80.0-120	

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L1231128-27 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231128-27 06/28/20 22:28 • (MS) R3544019-4 06/28/20 22:35 • (MSD) R3544019-5 06/28/20 22:39

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00595	0.0535	0.0546	95.1	97.3	1	75.0-125			2.10	20
Barium	0.0500	9.81	9.92	9.87	225	106	1	75.0-125	V		0.599	20
Cadmium	0.0500	U	0.0520	0.0514	104	103	1	75.0-125			1.26	20
Calcium	5.00	96.4	99.5	99.6	62.8	64.4	1	75.0-125	V	V	0.0820	20
Chromium	0.0500	U	0.0479	0.0485	95.8	97.1	1	75.0-125			1.31	20
Cobalt	0.0500	U	0.0477	0.0488	95.3	97.6	1	75.0-125			2.33	20
Potassium	5.00	1.10	5.77	5.98	93.3	97.6	1	75.0-125			3.64	20
Iron	5.00	0.0693	4.91	4.93	96.9	97.2	1	75.0-125			0.325	20
Lead	0.0500	0.00484	0.0575	0.0572	105	105	1	75.0-125			0.600	20
Manganese	0.0500	0.0692	0.113	0.115	88.2	92.2	1	75.0-125			1.74	20
Nickel	0.0500	U	0.0480	0.0493	96.1	98.6	1	75.0-125			2.62	20
Selenium	0.0500	U	0.0518	0.0491	104	98.1	1	75.0-125			5.50	20
Sodium	5.00	426	411	420	0.000	0.000	1	75.0-125	V	V	2.29	20
Uranium	0.0500	U	0.0543	0.0541	109	108	1	75.0-125			0.294	20
Vanadium	0.0500	U	0.0484	0.0500	96.7	100	1	75.0-125			3.37	20

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Method Blank (MB)

(MB) R3542881-2 06/24/20 23:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*96.6*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3542881-1 06/24/20 20:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.40	98.2	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*78.0-120*	

Method Blank (MB)

(MB) R3542897-2 06/25/20 04:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	0.0425	J	0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3542897-1 06/25/20 03:18

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.68	121	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*107*	*78.0-120*	

Method Blank (MB)

(MB) R3543451-3 06/25/20 11:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3543451-2 06/25/20 10:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.50	100	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*78.0-120*	

Method Blank (MB)

(MB) R3543306-2 06/25/20 16:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3543306-1 06/25/20 15:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.71	104	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*99.4*	*78.0-120*	

Method Blank (MB)

(MB) R3543307-2 06/25/20 16:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3543307-1 06/25/20 15:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.71	104	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*99.4*	*78.0-120*	

L1231158-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231158-17 06/25/20 23:56 • (MS) R3543307-3 06/26/20 01:27 • (MSD) R3543307-4 06/26/20 01:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	0.229	5.86	5.18	102	90.0	1	10.0-160			12.3	22
(S) a,a,a-Trifluorotoluene(FID)					*100*	*98.4*		*78.0-120*				

Method Blank (MB)

(MB) R3543700-2 06/26/20 13:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	0.0338	J	0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3543700-1 06/26/20 12:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.09	111	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*78.0-120*	

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Method Blank (MB)

(MB) R3543808-2 06/27/20 07:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3543808-1 06/27/20 06:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.89	107	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*78.0-120*	

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

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Method Blank (MB)

(MB) R3543809-2 06/27/20 07:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3543809-1 06/27/20 06:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.89	107	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*78.0-120*	

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Method Blank (MB)

(MB) R3542523-3 06/22/20 19:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	0.000340	J	0.0000962	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100

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Method Blank (MB)

(MB) R3542523-3 06/22/20 19:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3542523-1 06/22/20 18:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0249	99.6	19.0-160	
Benzene	0.00500	0.00497	99.4	70.0-123	
Bromodichloromethane	0.00500	0.00513	103	75.0-120	
Bromoform	0.00500	0.00512	102	68.0-132	
Bromomethane	0.00500	0.00380	76.0	10.0-160	
n-Butylbenzene	0.00500	0.00436	87.2	73.0-125	
sec-Butylbenzene	0.00500	0.00429	85.8	75.0-125	
Carbon disulfide	0.00500	0.00500	100	61.0-128	
Chlorobenzene	0.00500	0.00472	94.4	80.0-121	
Chlorodibromomethane	0.00500	0.00504	101	77.0-125	
Chloroethane	0.00500	0.00563	113	47.0-150	
Chloroform	0.00500	0.00551	110	73.0-120	
Chloromethane	0.00500	0.00339	67.8	41.0-142	
1,2-Dibromoethane	0.00500	0.00464	92.8	80.0-122	
1,1-Dichloroethane	0.00500	0.00504	101	70.0-126	
1,2-Dichloroethane	0.00500	0.00559	112	70.0-128	
1,1-Dichloroethene	0.00500	0.00483	96.6	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00504	101	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00579	116	73.0-120	
1,2-Dichloropropane	0.00500	0.00467	93.4	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00539	108	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00472	94.4	78.0-124	
Ethylbenzene	0.00500	0.00456	91.2	79.0-123	
2-Hexanone	0.0250	0.0205	82.0	67.0-149	

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Laboratory Control Sample (LCS)

(LCS) R3542523-1 06/22/20 18:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Isopropylbenzene	0.00500	0.00463	92.6	76.0-127	
p-Isopropyltoluene	0.00500	0.00451	90.2	76.0-125	
2-Butanone (MEK)	0.0250	0.0250	100	44.0-160	
Methylene Chloride	0.00500	0.00500	100	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0242	96.8	68.0-142	
Methyl tert-butyl ether	0.00500	0.00541	108	68.0-125	
Naphthalene	0.00500	0.00435	87.0	54.0-135	
n-Propylbenzene	0.00500	0.00454	90.8	77.0-124	
Styrene	0.00500	0.00402	80.4	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00469	93.8	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00411	82.2	65.0-130	
Tetrachloroethene	0.00500	0.00495	99.0	72.0-132	
Toluene	0.00500	0.00514	103	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00537	107	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00490	98.0	80.0-120	
Trichloroethene	0.00500	0.00544	109	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00442	88.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00452	90.4	76.0-122	
Vinyl chloride	0.00500	0.00460	92.0	67.0-131	
Xylenes, Total	0.0150	0.0138	92.0	79.0-123	
o-Xylene	0.00500	0.00431	86.2	80.0-122	
m&p-Xylenes	0.0100	0.00946	94.6	80.0-122	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*103*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*106*	*70.0-130*	

Method Blank (MB)

(MB) R3543124-2 06/22/20 23:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Method Blank (MB)

(MB) R3543124-2 06/22/20 23:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3543124-1 06/22/20 22:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0401	160	19.0-160	
Benzene	0.00500	0.00461	92.2	70.0-123	
Bromodichloromethane	0.00500	0.00564	113	75.0-120	
Bromoform	0.00500	0.00600	120	68.0-132	
Bromomethane	0.00500	0.00366	73.2	10.0-160	
n-Butylbenzene	0.00500	0.00364	72.8	73.0-125	J4
sec-Butylbenzene	0.00500	0.00381	76.2	75.0-125	
Carbon disulfide	0.00500	0.00492	98.4	61.0-128	
Carbon tetrachloride	0.00500	0.00494	98.8	68.0-126	
Chlorobenzene	0.00500	0.00477	95.4	80.0-121	
Chlorodibromomethane	0.00500	0.00549	110	77.0-125	
Chloroethane	0.00500	0.00433	86.6	47.0-150	
Chloroform	0.00500	0.00507	101	73.0-120	
Chloromethane	0.00500	0.00644	129	41.0-142	
1,2-Dibromoethane	0.00500	0.00558	112	80.0-122	
1,1-Dichloroethane	0.00500	0.00510	102	70.0-126	
1,2-Dichloroethane	0.00500	0.00575	115	70.0-128	
1,1-Dichloroethene	0.00500	0.00445	89.0	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00501	100	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00437	87.4	73.0-120	
1,2-Dichloropropane	0.00500	0.00472	94.4	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00473	94.6	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00460	92.0	78.0-124	

Laboratory Control Sample (LCS)

(LCS) R3543124-1 06/22/20 22:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00462	92.4	79.0-123	
2-Hexanone	0.0250	0.0255	102	67.0-149	
Isopropylbenzene	0.00500	0.00416	83.2	76.0-127	
p-Isopropyltoluene	0.00500	0.00389	77.8	76.0-125	
2-Butanone (MEK)	0.0250	0.0333	133	44.0-160	
Methylene Chloride	0.00500	0.00429	85.8	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0251	100	68.0-142	
Methyl tert-butyl ether	0.00500	0.00481	96.2	68.0-125	
Naphthalene	0.00500	0.00328	65.6	54.0-135	
n-Propylbenzene	0.00500	0.00397	79.4	77.0-124	
Styrene	0.00500	0.00447	89.4	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00538	108	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00483	96.6	65.0-130	
Tetrachloroethene	0.00500	0.00593	119	72.0-132	
Toluene	0.00500	0.00454	90.8	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00551	110	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00522	104	80.0-120	
Trichloroethene	0.00500	0.00519	104	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00383	76.6	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00397	79.4	76.0-122	
Vinyl chloride	0.00500	0.00466	93.2	67.0-131	
Xylenes, Total	0.0150	0.0135	90.0	79.0-123	
o-Xylene	0.00500	0.00438	87.6	80.0-122	
m&p-Xylenes	0.0100	0.00916	91.6	80.0-122	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*103*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*123*	*70.0-130*	

Method Blank (MB)

(MB) R3542878-4 06/24/20 20:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Carbon tetrachloride	U		0.000128	0.00100
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*97.4*			*70.0-130*

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

(LCS) R3542878-1 06/24/20 19:17 • (LCSD) R3542878-2 06/24/20 19:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	0.00500	0.00516	0.00525	103	105	68.0-126			1.73	20
(S) Toluene-d8				*104*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.6*	*94.2*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*101*	*99.6*	*70.0-130*				

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3542925-3 06/25/20 03:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3542925-3 06/25/20 03:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*

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

(LCS) R3542925-1 06/25/20 02:01 • (LCSD) R3542925-2 06/25/20 02:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0283	0.0273	113	109	19.0-160			3.60	27
Benzene	0.00500	0.00496	0.00475	99.2	95.0	70.0-123			4.33	20
Bromodichloromethane	0.00500	0.00512	0.00500	102	100	75.0-120			2.37	20
Bromoform	0.00500	0.00467	0.00435	93.4	87.0	68.0-132			7.10	20
Bromomethane	0.00500	0.00209	0.00198	41.8	39.6	10.0-160			5.41	25
n-Butylbenzene	0.00500	0.00467	0.00454	93.4	90.8	73.0-125			2.82	20
sec-Butylbenzene	0.00500	0.00448	0.00445	89.6	89.0	75.0-125			0.672	20
Carbon disulfide	0.00500	0.00513	0.00466	103	93.2	61.0-128			9.60	20
Carbon tetrachloride	0.00500	0.00508	0.00471	102	94.2	68.0-126			7.56	20
Chlorobenzene	0.00500	0.00467	0.00448	93.4	89.6	80.0-121			4.15	20
Chlorodibromomethane	0.00500	0.00464	0.00458	92.8	91.6	77.0-125			1.30	20
Chloroethane	0.00500	0.00564	0.00508	113	102	47.0-150			10.4	20
Chloroform	0.00500	0.00514	0.00506	103	101	73.0-120			1.57	20
Chloromethane	0.00500	0.00436	0.00411	87.2	82.2	41.0-142			5.90	20
1,2-Dibromoethane	0.00500	0.00469	0.00458	93.8	91.6	80.0-122			2.37	20
1,1-Dichloroethane	0.00500	0.00488	0.00492	97.6	98.4	70.0-126			0.816	20
1,2-Dichloroethane	0.00500	0.00559	0.00508	112	102	70.0-128			9.56	20
1,1-Dichloroethene	0.00500	0.00473	0.00449	94.6	89.8	71.0-124			5.21	20
cis-1,2-Dichloroethene	0.00500	0.00468	0.00484	93.6	96.8	73.0-120			3.36	20
trans-1,2-Dichloroethene	0.00500	0.00498	0.00489	99.6	97.8	73.0-120			1.82	20
1,2-Dichloropropane	0.00500	0.00499	0.00477	99.8	95.4	77.0-125			4.51	20
cis-1,3-Dichloropropene	0.00500	0.00515	0.00490	103	98.0	80.0-123			4.98	20
trans-1,3-Dichloropropene	0.00500	0.00442	0.00425	88.4	85.0	78.0-124			3.92	20

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

(LCS) R3542925-1 06/25/20 02:01 • (LCSD) R3542925-2 06/25/20 02:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.00500	0.00458	0.00456	91.6	91.2	79.0-123			0.438	20
2-Hexanone	0.0250	0.0202	0.0200	80.8	80.0	67.0-149			0.995	20
Isopropylbenzene	0.00500	0.00424	0.00415	84.8	83.0	76.0-127			2.15	20
p-Isopropyltoluene	0.00500	0.00457	0.00462	91.4	92.4	76.0-125			1.09	20
2-Butanone (MEK)	0.0250	0.0234	0.0219	93.6	87.6	44.0-160			6.62	20
Methylene Chloride	0.00500	0.00522	0.00493	104	98.6	67.0-120			5.71	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0250	0.0241	100	96.4	68.0-142			3.67	20
Methyl tert-butyl ether	0.00500	0.00523	0.00481	105	96.2	68.0-125			8.37	20
Naphthalene	0.00500	0.00423	0.00407	84.6	81.4	54.0-135			3.86	20
n-Propylbenzene	0.00500	0.00480	0.00491	96.0	98.2	77.0-124			2.27	20
Styrene	0.00500	0.00456	0.00447	91.2	89.4	73.0-130			1.99	20
1,1,1,2-Tetrachloroethane	0.00500	0.00454	0.00447	90.8	89.4	75.0-125			1.55	20
1,1,2,2-Tetrachloroethane	0.00500	0.00483	0.00465	96.6	93.0	65.0-130			3.80	20
Tetrachloroethene	0.00500	0.00465	0.00423	93.0	84.6	72.0-132			9.46	20
Toluene	0.00500	0.00452	0.00443	90.4	88.6	79.0-120			2.01	20
1,1,1-Trichloroethane	0.00500	0.00506	0.00483	101	96.6	73.0-124			4.65	20
1,1,2-Trichloroethane	0.00500	0.00469	0.00460	93.8	92.0	80.0-120			1.94	20
Trichloroethene	0.00500	0.00533	0.00508	107	102	78.0-124			4.80	20
1,2,4-Trimethylbenzene	0.00500	0.00473	0.00463	94.6	92.6	76.0-121			2.14	20
1,3,5-Trimethylbenzene	0.00500	0.00486	0.00488	97.2	97.6	76.0-122			0.411	20
Vinyl chloride	0.00500	0.00496	0.00469	99.2	93.8	67.0-131			5.60	20
Xylenes, Total	0.0150	0.0132	0.0132	88.0	88.0	79.0-123			0.000	20
o-Xylene	0.00500	0.00426	0.00432	85.2	86.4	80.0-122			1.40	20
m&p-Xylenes	0.0100	0.00893	0.00892	89.3	89.2	80.0-122			0.112	20
(S) Toluene-d8				*99.4*	*99.1*	*80.0-120*				
(S) 4-Bromofluorobenzene				*90.9*	*94.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*117*	*110*	*70.0-130*				

Method Blank (MB)

(MB) R3543513-3 06/25/20 23:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Method Blank (MB)

(MB) R3543513-3 06/25/20 23:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*114*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

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

(LCS) R3543513-1 06/25/20 21:04 • (LCSD) R3543513-2 06/25/20 22:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0314	0.0320	126	128	19.0-160			1.89	27
Benzene	0.00500	0.00499	0.00510	99.8	102	70.0-123			2.18	20
Bromodichloromethane	0.00500	0.00504	0.00516	101	103	75.0-120			2.35	20
Bromoform	0.00500	0.00563	0.00593	113	119	68.0-132			5.19	20
Bromomethane	0.00500	0.00507	0.00532	101	106	10.0-160			4.81	25
n-Butylbenzene	0.00500	0.00435	0.00444	87.0	88.8	73.0-125			2.05	20
sec-Butylbenzene	0.00500	0.00437	0.00453	87.4	90.6	75.0-125			3.60	20
Carbon disulfide	0.00500	0.00441	0.00458	88.2	91.6	61.0-128			3.78	20
Carbon tetrachloride	0.00500	0.00536	0.00531	107	106	68.0-126			0.937	20
Chlorobenzene	0.00500	0.00612	0.00588	122	118	80.0-121	J4		4.00	20
Chlorodibromomethane	0.00500	0.00576	0.00588	115	118	77.0-125			2.06	20
Chloroethane	0.00500	0.00479	0.00501	95.8	100	47.0-150			4.49	20
Chloroform	0.00500	0.00515	0.00508	103	102	73.0-120			1.37	20
Chloromethane	0.00500	0.00495	0.00479	99.0	95.8	41.0-142			3.29	20
1,2-Dibromoethane	0.00500	0.00521	0.00532	104	106	80.0-122			2.09	20
1,1-Dichloroethane	0.00500	0.00502	0.00494	100	98.8	70.0-126			1.61	20
1,2-Dichloroethane	0.00500	0.00493	0.00498	98.6	99.6	70.0-128			1.01	20
1,1-Dichloroethene	0.00500	0.00516	0.00511	103	102	71.0-124			0.974	20
cis-1,2-Dichloroethene	0.00500	0.00526	0.00518	105	104	73.0-120			1.53	20
trans-1,2-Dichloroethene	0.00500	0.00515	0.00513	103	103	73.0-120			0.389	20
1,2-Dichloropropane	0.00500	0.00463	0.00464	92.6	92.8	77.0-125			0.216	20
cis-1,3-Dichloropropene	0.00500	0.00480	0.00479	96.0	95.8	80.0-123			0.209	20
trans-1,3-Dichloropropene	0.00500	0.00493	0.00485	98.6	97.0	78.0-124			1.64	20

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

(LCS) R3543513-1 06/25/20 21:04 • (LCSD) R3543513-2 06/25/20 22:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.00500	0.00554	0.00566	111	113	79.0-123			2.14	20
2-Hexanone	0.0250	0.0248	0.0246	99.2	98.4	67.0-149			0.810	20
Isopropylbenzene	0.00500	0.00573	0.00579	115	116	76.0-127			1.04	20
p-Isopropyltoluene	0.00500	0.00445	0.00442	89.0	88.4	76.0-125			0.676	20
2-Butanone (MEK)	0.0250	0.0266	0.0261	106	104	44.0-160			1.90	20
Methylene Chloride	0.00500	0.00472	0.00499	94.4	99.8	67.0-120			5.56	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0259	0.0260	104	104	68.0-142			0.385	20
Methyl tert-butyl ether	0.00500	0.00460	0.00474	92.0	94.8	68.0-125			3.00	20
Naphthalene	0.00500	0.00408	0.00445	81.6	89.0	54.0-135			8.68	20
n-Propylbenzene	0.00500	0.00446	0.00433	89.2	86.6	77.0-124			2.96	20
Styrene	0.00500	0.00553	0.00541	111	108	73.0-130			2.19	20
1,1,1,2-Tetrachloroethane	0.00500	0.00578	0.00580	116	116	75.0-125			0.345	20
1,1,2,2-Tetrachloroethane	0.00500	0.00427	0.00428	85.4	85.6	65.0-130			0.234	20
Tetrachloroethene	0.00500	0.00666	0.00708	133	142	72.0-132	J4	J4	6.11	20
Toluene	0.00500	0.00542	0.00526	108	105	79.0-120			3.00	20
1,1,1-Trichloroethane	0.00500	0.00535	0.00531	107	106	73.0-124			0.750	20
1,1,2-Trichloroethane	0.00500	0.00565	0.00569	113	114	80.0-120			0.705	20
Trichloroethene	0.00500	0.00593	0.00590	119	118	78.0-124			0.507	20
1,2,4-Trimethylbenzene	0.00500	0.00401	0.00405	80.2	81.0	76.0-121			0.993	20
1,3,5-Trimethylbenzene	0.00500	0.00426	0.00431	85.2	86.2	76.0-122			1.17	20
Vinyl chloride	0.00500	0.00519	0.00516	104	103	67.0-131			0.580	20
Xylenes, Total	0.0150	0.0162	0.0159	108	106	79.0-123			1.87	20
o-Xylene	0.00500	0.00526	0.00525	105	105	80.0-122			0.190	20
m&p-Xylenes	0.0100	0.0109	0.0107	109	107	80.0-122			1.85	20
(S) Toluene-d8				*108*	*108*	*80.0-120*				
(S) 4-Bromofluorobenzene				*104*	*103*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*107*	*106*	*70.0-130*				

Method Blank (MB)

(MB) R3543771-1 06/27/20 11:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*57.0*			*31.0-160*

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

(LCS) R3543771-2 06/27/20 11:46 • (LCSD) R3543771-3 06/27/20 12:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.41	1.35	94.0	90.0	50.0-150			4.35	20
(S) o-Terphenyl				*84.5*	*86.0*	*31.0-160*				

Method Blank (MB)

(MB) R3543272-1 06/25/20 23:37

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*52.5*			*31.0-160*

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

(LCS) R3543272-2 06/25/20 23:57 • (LCSD) R3543272-3 06/26/20 00:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.33	1.34	88.7	89.3	50.0-150			0.749	20
(S) o-Terphenyl				*93.5*	*93.5*	*31.0-160*				

Method Blank (MB)

(MB) R3541823-2 06/22/20 18:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Acetophenone	U		0.000208	0.0100
Anthracene	U		0.0000804	0.00100
Atrazine	U		0.000255	0.0100
Benzaldehyde	U		0.00169	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.000200
Biphenyl	U		0.000790	0.0100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
Caprolactam	U		0.000309	0.0100
Carbazole	U		0.000111	0.0100
4-Chloroaniline	U		0.000234	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.000200
Dibenzofuran	U		0.0000970	0.0100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
1-Methylnaphthalene	U		0.0000790	0.00100
2-Methylnaphthalene	U		0.000117	0.00100
Naphthalene	U		0.000159	0.00100
2-Nitroaniline	U		0.000102	0.0100
3-Nitroaniline	U		0.0000869	0.0100

Method Blank (MB)

(MB) R3541823-2 06/22/20 18:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
4-Nitroaniline	U		0.0000910	0.0100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2-Methylphenol	U		0.0000929	0.0100
3&4-Methyl Phenol	U		0.000168	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,5-Trichlorophenol	U		0.000109	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) Nitrobenzene-d5	*74.7*			*10.0-127*
(S) 2-Fluorobiphenyl	*80.7*			*10.0-130*
(S) p-Terphenyl-d14	*86.4*			*10.0-128*
(S) Phenol-d5	*25.7*			*10.0-120*
(S) 2-Fluorophenol	*47.2*			*10.0-120*
(S) 2,4,6-Tribromophenol	*88.5*			*10.0-155*

Received by OCD: 11/22/2022 9:46:04 AM

Laboratory Control Sample (LCS)

(LCS) R3541823-1 06/22/20 18:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0500	0.0396	79.2	41.0-120	
Acenaphthylene	0.0500	0.0403	80.6	43.0-120	
Acetophenone	0.0500	0.0441	88.2	29.0-120	
Anthracene	0.0500	0.0423	84.6	45.0-120	
Atrazine	0.0500	0.0492	98.4	39.0-141	
Benzaldehyde	0.0500	0.124	248	10.0-160	J4
Benzo(a)anthracene	0.0500	0.0465	93.0	47.0-120	
Benzo(b)fluoranthene	0.0500	0.0460	92.0	46.0-120	
Benzo(k)fluoranthene	0.0500	0.0434	86.8	46.0-120	
Benzo(g,h,i)perylene	0.0500	0.0481	96.2	48.0-121	
Benzo(a)pyrene	0.0500	0.0479	95.8	47.0-120	
Biphenyl	0.0500	0.0404	80.8	38.0-120	
Bis(2-chlorethoxy)methane	0.0500	0.0345	69.0	33.0-120	
Bis(2-chloroethyl)ether	0.0500	0.0340	68.0	23.0-120	
2,2-Oxybis(1-Chloropropane)	0.0500	0.0393	78.6	28.0-120	
4-Bromophenyl-phenylether	0.0500	0.0453	90.6	45.0-120	
Caprolactam	0.0500	0.0129	25.8	10.0-120	
Carbazole	0.0500	0.0459	91.8	51.0-122	
4-Chloroaniline	0.0500	0.0334	66.8	25.0-120	
2-Chloronaphthalene	0.0500	0.0388	77.6	37.0-120	
4-Chlorophenyl-phenylether	0.0500	0.0438	87.6	44.0-120	
Chrysene	0.0500	0.0435	87.0	48.0-120	
Dibenz(a,h)anthracene	0.0500	0.0506	101	47.0-120	
Dibenzofuran	0.0500	0.0407	81.4	44.0-120	
3,3-Dichlorobenzidine	0.100	0.102	102	44.0-120	
2,4-Dinitrotoluene	0.0500	0.0491	98.2	49.0-124	
2,6-Dinitrotoluene	0.0500	0.0443	88.6	46.0-120	
Fluoranthene	0.0500	0.0465	93.0	51.0-120	
Fluorene	0.0500	0.0417	83.4	47.0-120	
Hexachlorobenzene	0.0500	0.0432	86.4	44.0-120	
Hexachloro-1,3-butadiene	0.0500	0.0415	83.0	19.0-120	
Hexachlorocyclopentadiene	0.0500	0.0379	75.8	15.0-120	
Hexachloroethane	0.0500	0.0404	80.8	15.0-120	
Indeno(1,2,3-cd)pyrene	0.0500	0.0498	99.6	49.0-122	
Isophorone	0.0500	0.0345	69.0	36.0-120	
1-Methylnaphthalene	0.0500	0.0333	66.6	33.0-120	
2-Methylnaphthalene	0.0500	0.0325	65.0	33.0-120	
Naphthalene	0.0500	0.0351	70.2	27.0-120	
2-Nitroaniline	0.0500	0.0429	85.8	43.0-120	
3-Nitroaniline	0.0500	0.0429	85.8	38.0-120	

Released to Imaging: 11/22/2022 9:50:00 AM

Laboratory Control Sample (LCS)

(LCS) R3541823-1 06/22/20 18:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Nitroaniline	0.0500	0.0477	95.4	18.0-160	
Nitrobenzene	0.0500	0.0375	75.0	27.0-120	
n-Nitrosodiphenylamine	0.0500	0.0411	82.2	47.0-120	
n-Nitrosodi-n-propylamine	0.0500	0.0384	76.8	31.0-120	
Phenanthrene	0.0500	0.0409	81.8	46.0-120	
Benzylbutyl phthalate	0.0500	0.0452	90.4	43.0-121	
Bis(2-ethylhexyl)phthalate	0.0500	0.0436	87.2	43.0-122	
Di-n-butyl phthalate	0.0500	0.0460	92.0	49.0-121	
Diethyl phthalate	0.0500	0.0432	86.4	48.0-122	
Dimethyl phthalate	0.0500	0.0437	87.4	48.0-120	
Di-n-octyl phthalate	0.0500	0.0448	89.6	42.0-125	
Pyrene	0.0500	0.0433	86.6	47.0-120	
1,2,4-Trichlorobenzene	0.0500	0.0368	73.6	24.0-120	
4-Chloro-3-methylphenol	0.0500	0.0360	72.0	40.0-120	
2-Chlorophenol	0.0500	0.0367	73.4	25.0-120	
2-Methylphenol	0.0500	0.0326	65.2	28.0-120	
3&4-Methyl Phenol	0.0500	0.0320	64.0	31.0-120	
2,4-Dichlorophenol	0.0500	0.0374	74.8	36.0-120	
2,4-Dimethylphenol	0.0500	0.0371	74.2	33.0-120	
4,6-Dinitro-2-methylphenol	0.0500	0.0492	98.4	38.0-138	
2,4-Dinitrophenol	0.0500	0.0499	99.8	10.0-120	
2-Nitrophenol	0.0500	0.0374	74.8	31.0-120	
4-Nitrophenol	0.0500	0.0156	31.2	10.0-120	
Pentachlorophenol	0.0500	0.0423	84.6	23.0-120	
Phenol	0.0500	0.0132	26.4	10.0-120	
2,4,5-Trichlorophenol	0.0500	0.0469	93.8	44.0-120	
2,4,6-Trichlorophenol	0.0500	0.0420	84.0	42.0-120	
(S) Nitrobenzene-d5			*65.9*	*10.0-127*	
(S) 2-Fluorobiphenyl			*79.7*	*10.0-130*	
(S) p-Terphenyl-d14			*87.5*	*10.0-128*	
(S) Phenol-d5			*25.6*	*10.0-120*	
(S) 2-Fluorophenol			*48.9*	*10.0-120*	
(S) 2,4,6-Tribromophenol			*99.0*	*10.0-155*	

L1231323-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231323-03 06/23/20 00:13 • (MS) R3541823-3 06/23/20 00:34 • (MSD) R3541823-4 06/23/20 00:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0500	U	0.0405	0.0408	81.0	81.6	1	28.0-120			0.738	25
Acenaphthylene	0.0500	U	0.0413	0.0419	82.6	83.8	1	31.0-121			1.44	25
Acetophenone	0.0500	U	0.0477	0.0446	95.4	89.2	1	20.0-120			6.72	35
Anthracene	0.0500	U	0.0441	0.0419	88.2	83.8	1	36.0-120			5.12	23
Atrazine	0.0500	U	0.0500	0.0504	100	101	1	39.0-130			0.797	23
Benzaldehyde	0.0500	U	0.129	0.119	258	238	1	10.0-160	J5	J5	8.06	40
Benzo(a)anthracene	0.0500	U	0.0456	0.0442	91.2	88.4	1	39.0-120			3.12	23
Benzo(b)fluoranthene	0.0500	U	0.0430	0.0419	86.0	83.8	1	37.0-120			2.59	23
Benzo(k)fluoranthene	0.0500	U	0.0413	0.0401	82.6	80.2	1	37.0-120			2.95	26
Benzo(g,h,i)perylene	0.0500	U	0.0432	0.0429	86.4	85.8	1	37.0-123			0.697	25
Benzo(a)pyrene	0.0500	U	0.0457	0.0444	91.4	88.8	1	37.0-120			2.89	24
Biphenyl	0.0500	U	0.0412	0.0413	82.4	82.6	1	29.0-120			0.242	33
Bis(2-chlorethoxy)methane	0.0500	U	0.0363	0.0353	72.6	70.6	1	17.0-120			2.79	31
Bis(2-chloroethyl)ether	0.0500	U	0.0416	0.0385	83.2	77.0	1	14.0-120			7.74	33
2,2-Oxybis(1-Chloropropane)	0.0500	U	0.0408	0.0391	81.6	78.2	1	18.0-120			4.26	34
4-Bromophenyl-phenylether	0.0500	U	0.0462	0.0457	92.4	91.4	1	37.0-120			1.09	24
Caprolactam	0.0500	U	0.0150	0.0144	30.0	28.8	1	10.0-120			4.08	40
Carbazole	0.0500	U	0.0473	0.0458	94.6	91.6	1	38.0-127			3.22	21
4-Chloroaniline	0.0500	U	0.0342	0.0337	68.4	67.4	1	10.0-120			1.47	31
2-Chloronaphthalene	0.0500	U	0.0394	0.0399	78.8	79.8	1	29.0-120			1.26	28
4-Chlorophenyl-phenylether	0.0500	U	0.0446	0.0442	89.2	88.4	1	36.0-120			0.901	23
Chrysene	0.0500	U	0.0419	0.0409	83.8	81.8	1	38.0-120			2.42	23
Dibenz(a,h)anthracene	0.0500	U	0.0459	0.0447	91.8	89.4	1	36.0-121			2.65	24
Dibenzofuran	0.0500	U	0.0417	0.0414	83.4	82.8	1	32.0-120			0.722	26
3,3-Dichlorobenzidine	0.100	U	0.0989	0.0972	98.9	97.2	1	10.0-134			1.73	30
2,4-Dinitrotoluene	0.0500	U	0.0507	0.0498	101	99.6	1	39.0-125			1.79	25
2,6-Dinitrotoluene	0.0500	U	0.0465	0.0462	93.0	92.4	1	36.0-120			0.647	27
Fluoranthene	0.0500	U	0.0470	0.0452	94.0	90.4	1	41.0-121			3.90	22
Fluorene	0.0500	U	0.0423	0.0431	84.6	86.2	1	37.0-120			1.87	24
Hexachlorobenzene	0.0500	U	0.0436	0.0426	87.2	85.2	1	35.0-122			2.32	24
Hexachloro-1,3-butadiene	0.0500	U	0.0421	0.0411	84.2	82.2	1	12.0-120			2.40	34
Hexachlorocyclopentadiene	0.0500	U	0.0404	0.0401	80.8	80.2	1	10.0-120			0.745	33
Hexachloroethane	0.0500	U	0.0411	0.0389	82.2	77.8	1	10.0-120			5.50	40
Indeno(1,2,3-cd)pyrene	0.0500	U	0.0459	0.0448	91.8	89.6	1	38.0-125			2.43	24
Isophorone	0.0500	U	0.0371	0.0368	74.2	73.6	1	21.0-120			0.812	27
1-Methylnaphthalene	0.0500	U	0.0337	0.0333	67.4	66.6	1	11.0-120			1.19	27
2-Methylnaphthalene	0.0500	U	0.0331	0.0327	66.2	65.4	1	17.0-120			1.22	28
Naphthalene	0.0500	U	0.0362	0.0353	72.4	70.6	1	10.0-120			2.52	31
2-Nitroaniline	0.0500	U	0.0455	0.0447	91.0	89.4	1	33.0-120			1.77	27
3-Nitroaniline	0.0500	U	0.0438	0.0440	87.6	88.0	1	20.0-120			0.456	27

L1231323-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231323-03 06/23/20 00:13 • (MS) R3541823-3 06/23/20 00:34 • (MSD) R3541823-4 06/23/20 00:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Nitroaniline	0.0500	U	0.0506	0.0499	101	99.8	1	10.0-160			1.39	26
Nitrobenzene	0.0500	U	0.0399	0.0387	79.8	77.4	1	12.0-120			3.05	30
n-Nitrosodiphenylamine	0.0500	U	0.0434	0.0416	86.8	83.2	1	37.0-120			4.24	24
n-Nitrosodi-n-propylamine	0.0500	U	0.0440	0.0418	88.0	83.6	1	16.0-120			5.13	30
Phenanthrene	0.0500	U	0.0418	0.0407	83.6	81.4	1	33.0-120			2.67	22
Benzylbutyl phthalate	0.0500	U	0.0462	0.0458	92.4	91.6	1	34.0-126			0.870	24
Bis(2-ethylhexyl)phthalate	0.0500	U	0.0408	0.0401	81.6	80.2	1	33.0-126			1.73	25
Di-n-butyl phthalate	0.0500	U	0.0469	0.0447	93.8	89.4	1	35.0-128			4.80	23
Diethyl phthalate	0.0500	U	0.0440	0.0434	88.0	86.8	1	39.0-125			1.37	24
Dimethyl phthalate	0.0500	U	0.0438	0.0434	87.6	86.8	1	37.0-120			0.917	24
Di-n-octyl phthalate	0.0500	U	0.0417	0.0416	83.4	83.2	1	25.0-135			0.240	26
Pyrene	0.0500	U	0.0443	0.0442	88.6	88.4	1	39.0-120			0.226	22
1,2,4-Trichlorobenzene	0.0500	U	0.0365	0.0355	73.0	71.0	1	15.0-120			2.78	31
4-Chloro-3-methylphenol	0.0500	U	0.0367	0.0363	73.4	72.6	1	26.0-120			1.10	27
2-Chlorophenol	0.0500	U	0.0378	0.0357	75.6	71.4	1	18.0-120			5.71	34
2-Methylphenol	0.0500	U	0.0341	0.0328	68.2	65.6	1	10.0-120			3.89	30
3&4-Methyl Phenol	0.0500	U	0.0342	0.0334	68.4	66.8	1	10.0-120			2.37	36
2,4-Dichlorophenol	0.0500	U	0.0385	0.0383	77.0	76.6	1	19.0-120			0.521	27
2,4-Dimethylphenol	0.0500	U	0.0385	0.0396	77.0	79.2	1	15.0-120			2.82	28
4,6-Dinitro-2-methylphenol	0.0500	U	0.0510	0.0494	102	98.8	1	10.0-144			3.19	39
2,4-Dinitrophenol	0.0500	U	0.0534	0.0524	107	105	1	10.0-120			1.89	40
2-Nitrophenol	0.0500	U	0.0389	0.0377	77.8	75.4	1	20.0-120			3.13	30
4-Nitrophenol	0.0500	U	0.0176	0.0184	35.2	36.8	1	10.0-120			4.44	40
Pentachlorophenol	0.0500	U	0.0487	0.0475	97.4	95.0	1	10.0-128			2.49	37
Phenol	0.0500	U	0.0148	0.0140	29.6	28.0	1	10.0-120			5.56	40
2,4,5-Trichlorophenol	0.0500	U	0.0487	0.0487	97.4	97.4	1	33.0-120			0.000	31
2,4,6-Trichlorophenol	0.0500	U	0.0443	0.0437	88.6	87.4	1	26.0-120			1.36	31
(S) Nitrobenzene-d5					*69.5*	*65.6*		*10.0-127*				
(S) 2-Fluorobiphenyl					*82.5*	*81.4*		*10.0-130*				
(S) p-Terphenyl-d14					*85.7*	*84.5*		*10.0-128*				
(S) Phenol-d5					*29.1*	*27.5*		*10.0-120*				
(S) 2-Fluorophenol					*51.0*	*48.8*		*10.0-120*				
(S) 2,4,6-Tribromophenol					*109*	*100*		*10.0-155*				

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.
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.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
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.
V3	The internal standard exhibited poor recovery due to sample matrix interference. The analytical results will be biased high. BDL results will be unaffected.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* 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 National.

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	LAO00356
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		

Pace Analytical National 1313 Point Mallard Parkway SE Suite B Decatur, AL, 35601

Alabama	40160
ANSI National Accreditation Board	L2239

Pace Analytical National 660 Bercut Dr. Ste. C Sacramento, CA, 95811

California	2961	Oregon	CA300002
Minnesota	006-999-465	Washington	C926
North Dakota	R-214		

Pace Analytical National 6000 South Eastern Avenue Ste 9A Las Vegas, NV, 89119

Nevada	NV009412021-1

Pace Analytical National 1606 E. Brazos Street Suite D Victoria, TX, 77901

Texas	T104704328-20-18

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

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DAY 2

RC

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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 13

Pace Analytical* (National Center for Testing & Innovation)
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123128

Table 1091

Acctnum: TRCATX

Template: T133463

Prelogin: P763304

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
~~RW-#15C~~ (LNAPL)	Grab	GW				8	X	X		X	X	X						
~~MW-48~~ (LNAPL)	Grab	GW				10	X	X	X	X	X	X						
MW-130	Grab	GW		6/17/20	1410	10	X	X	X	X	X	X						01
~~KWB-4~~ (LNAPL)	Grab	GW				8	X	X		X	X	X						
~~RW-19~~ (LNAPL)	Grab	GW				8	X	X		X	X	X						
MW-52	Grab	GW		6/17/20	1320	11	X	X	X		X	X	X	X				02
MW-109	Grab	GW		6/17/20	1235	10	X	X	X	X	X	X						03
MW-110	Grab	GW		6/17/20	1150	10	X	X	X	X	X	X						04
RW-12R	Grab	GW		6/17/20	1535	8	X	X		X	X	X						05
~~RW-113~~ MW-113	Grab	GW		6/17/20	1510	10	X	X	X	X	X	X						06

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

Remarks: Lab - print RW-113 should have been "MW-113"
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No (HCl / MeoH TBR)	If preservation required by Login: Date/Time
Scott Ude	6/17/20	1700			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.1 4 °C	Bottles Received: 345	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/19/20	Time: 845	Hold:	Condition: NCF / OK

CM 1/30/21

Page 558 of 819

Released to Imaging: 11/22/2022 9:50:00 AM
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505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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 2 of 13

Pace Analytical* National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123128

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
~~KWB-8~~ (LNAPL)	Grab	GW				9	X	X			X	X	X	X				
~~RW-22~~ (LNAPL)	Grab	GW				8	X	X		X	X	X						
~~RW-20A~~ (LNAPL)	Grab	GW				8	X	X		X	X	X						
~~RW-20B~~ (LNAPL)	Grab	GW				8	X	X		X	X	X						
~~RW-13R~~ (LNAPL)	Grab	GW				8	X	X		X	X	X						
~~RW-14R~~ (LNAPL)	Grab	GW				8	X	X		X	X	X						
MW-133 (LNAPL)	Grab	GW				10	X	X	X	X	X	X						
MW-134	Grab	GW		6/17/20	1340	10	X	X	X	X	X	X						07
RA-4798	Grab	GW		6/17/20	1605	5	X				X	X						08
RA-4196	Grab	GW		6/17/20	1550	5	X				X	X						09

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	6/17/20	1700	
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

Temp: 4.7 °C Bottles Received: 345
5-1=4

If preservation required by Login: Date/Time

Date: 6/19/20 Time: 845

Hold:

Condition: OK

CM 1/30/21

Page 559 of 819

Released to Imaging: 11/22/2022 9:50:00 AM
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Austin, TX 78752

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apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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

Chain of Custody Page 3 of 13

Pace Analytical®
National Center for Testing & Innovation

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123128
Table #
Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
RA-3156	Grab	GW		6/17/20	1520	5	X				X	X						10
RA-313	Grab	GW		6/17/20	855	5	X				X	X						11
KWB-7	Grab	GW		6/16/20	1330	9	X	X			X	X	X	X				
MW-135	Grab	GW		6/17/20	1420	10	X	X	X	X	X	X						12
KWB-11A	Grab	GW		6/16/20	1425	11	X	X	X		X	X	X	X				
KWB-11B	Grab	GW		6/16/20	1515	11	X	X	X		X	X	X	X				
~~MW-115~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-114~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-117~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-118~~	Grab	SS				10	X	X	X	X	X	X						

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	6/17/20	1700		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.1 °C Bottles Received: 345
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/19/20 Time: 845

If preservation required by Login: Date/Time

Hold: Condition: (CF) / OK

CM 1/30/21

Released to Imaging: 11/22/2022 9:50:00 AM
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Austin, TX 78752

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apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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 4 of 13

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 127128

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
~~MW-119~~	Grab	GW				10	X	X	X	X	X	X						
MW-136	Grab	GW		6/17/20	915	11	X	X	X		X	X	X	X				13
~~MW-126A~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-126B~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-127~~ (LNAPL)	Grab	GW				10	X	X	X	X	X	X						
~~MW-129~~ (LNAPL)	Grab	GW				10	X	X	X	X	X	X						
~~RW-#18A~~	Grab	GW				6	X			X	X	X						
KWB-1A	Grab	GW		6/17/20	1000	9	X	X			X	X	X	X				14
~~KWB-10R~~ (LNAPL)	Grab	GW				8	X	X		X	X	X						
~~MW-131~~	Grab	GW				10	X	X	X	X	X	X						

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	6/17/20	1700	
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

Temp: 1.1 °C .5-1=.4

Bottles Received: 345

Date: 6/19/20 Time: 845

If preservation required by Login: Date/Time

Hold:

CM 1/30/21

Condition: NCF / OK

Page 561 of 819

Released to Imaging: 11/22/2022 9:50:00 AM
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505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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

Chain of Custody Page 5 of 13

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National Center for Testing & Innovation

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123129

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
~~KWB-5~~ (LNAPL)	Grab	GW				8	X	X		X	X	X						
MW-111	Grab	GW		6/17/20	1045	10	X	X	X	X	X	X						15
~~KWB-6~~ (LNAPL)	Grab	GW				11	X	X		X	X	X				X		
~~MW-112~~ (LNAPL)	Grab	GW				10	X	X	X	X	X	X						
~~MW-132~~ (LNAPL)	Grab	GW				10	X	X	X	X	X	X						
~~MW-57~~	Grab	GW				10	X	X	X	X	X	X						
~~RW-#11-0~~ (DRY)	Grab	GW				8	X	X		X	X	X						
~~KWB-12A~~	Grab	GW				11	X	X	X		X	X	X	X				
~~KWB-12B~~	Grab	GW				11	X	X	X		X	X	X	X				
~~KWB-2R~~ (LNAPL)	Grab	GW				8	X	X		X	X	X						

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No, HCL / MeoH, TBR	If preservation required by Login: Date/Time
Scott Ude	6/17/20	1700		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.7 °C, .5-1.4	Bottles Received: 345
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/17/20	Time: 845

Hold: CM 1/30/21

Condition: (OK)

Page 562 of 819

Released to Imaging: 11/22/2022 9:50:00 AM
Received by OCD: 11/22/2022 9:46:04 AM

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Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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 6 of 13

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123128
Table #
Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
~~MW-58~~ (LNAPL)	Grab	GW				9	X	X			X	X	X	X				
~~KWB-T3~~	Grab	GW				9	X	X			X	X	X	X				
~~MW-103~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-104~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-64~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-65~~ (LNAPL)	Grab	GW				10	X	X	X	X	X	X						
~~RW-5R~~ (LNAPL)	Grab	GW				8	X	X		X	X	X						
~~MW-102~~	Grab	GW				10	X	X	X	X	X	X						
RW-4	Grab	GW		6/17/20	915	8	X	X		X	X	X						16
~~RW-6~~ (LNAPL)	Grab	GW				8	X	X		X	X	X						

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No (HCL / MeoH / TBR)	If preservation required by Login: Date/Time
Scott Ude	6/17/20	1700		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.2 °C Bottles Received: 345	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/19/20 Time: 845	Hold: CM 1/30/21 Condition: (CF) / OK

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Received by OCD: 11/22/2022 9:46:04 AM

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Austin, TX 78752

Billing Information:
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apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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 7 of 13

Pace Analytical*
National Center for Testing & Innovation

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 173127
Table #
Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-99	Grab	GW		6/17/20	1250	10	X	X	X	X	X	X						17
MW-66	Grab	GW		6/17/20	1245	11	X	X	X		X	X	X	X				18
MW-28	Grab	GW		6/17/20	1340	11	X	X	X		X	X	X	X				19
MW-59	Grab	GW		6/17/20	1015	10	X	X	X	X	X	X						20
MW-60	Grab	GW		6/17/20	1145	11	X	X	X		X	X	X	X				21
~~MW-107~~ (LNAPL)	Grab	GW				10	X	X	X	X	X	X						
~~MW-128~~ (LNAPL)	Grab	GW				10	X	X	X	X	X	X						
~~MW-125~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-116~~	Grab	GW				10	X	X	X	X	X	X						
~~UG-3R~~	Grab	GW				11	X	X	X		X	X	X	X				

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes/No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	6/17/20	1700			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.1 °C Bottles Received: 345	
				1.5, 1=4	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/19/20 Time: 845	Hold: CM 1/30/21 Condition: NCF / OK

Released to Imaging: 11/22/2022 9:50:00 AM
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Austin, TX 78752

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Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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 8 of 13

Pace Analytical*
National Center for Testing & Innovation

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 142112

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
~~UG-4~~	Grab	GW				11	X	X	X		X	X	X	X				
~~UG-1~~	Grab	GW				11	X	X	X		X	X	X	X				
~~UG-2~~	Grab	GW				11	X	X	X		X	X	X	X				
~~MW-101~~	Grab	GW				10	X	X	X	X	X	X						
MW-105	Grab	GW		6/17/20	925	10	X	X	X	X	X	X						22
~~RW-2~~ (LNAPL)	Grab	GW				12	X	X	X	X	X	X			X			
MW-61	Grab	GW		6/17/20	1025	10	X	X	X	X	X	X						23
MW-62	Grab	GW		6/17/20	1220	10	X	X	X	X	X	X						24
MW-93	Grab	GW		6/17/20	1125	12	X	X	X	X	X	X			X			25
MW-43	Grab	GW		6/17/20	1425	11	X	X	X		X	X	X	X				26

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	6/17/20	1700			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.5-1.2-1.4 °C Bottles Received: 345	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/19/20 Time: 845	Hold: CM 1/30/21 Condition: CP / OK

Page 565 of 819

Released to Imaging: 11/22/2022 9:50:00 AM
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City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

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Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

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Immediately Packed on Ice N ___ Y ✓

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___ 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 9 of 13

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123177

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
~~MW-137~~ (LNAPL)	Grab	GW				13	X	X	X		X	X	X	X	X			
~~MW-138~~ (LNAPL)	Grab	GW				13	X	X	X		X	X	X	X	X			
MW-23	Grab	GW		6/17/20	1325	10	X	X	X	X	X	X						77
~~MW-39~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-98~~	Grab	GW				10	X	X	X	X	X	X						
~~RW-10~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-40~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-41~~	Grab	GW				10	X	X	X	X	X	X						
~~RW-9~~	Grab	GW				10	X	X	X	X	X	X						
MW-42	Grab	GW		6/17/20	1420	10	X	X	X	X	X	X						78

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	6/17/20	1700	
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

Temp: 4.3 °C Bottles Received: 345
Corr: 5-1=4

Date: 6/18/20 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

CM 1/30/21

Released to Imaging: 11/22/2022 9:50:00 AM
Received by OCD: 11/22/2022 9:46:04 AM

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505 E. Huntland Dr, Ste 250
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apinvoiceapproval@trcsolutions.com

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

Immediately Packed on Ice N ___ Y V

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 10 of 13

Pace Analytical* National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1123/m

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
~~MW-29~~	Grab	GW				10	X	X	X	X	X	X						
~~RW-#16B~~	Grab	GW				8	X	X		X	X	X						
~~MW-106~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-139~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-50~~	Grab	GW				8	X	X		X	X	X						
~~MW-97~~ (LNAPL)	Grab	GW				12	X	X	X	X	X	X			X			
~~MW-92~~ (LNAPL)	Grab	GW				10	X	X	X	X	X	X						
~~RW-1~~ (LNAPL)	Grab	GW				10	X	X	X	X	X	X						
~~MW-91~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-90~~	Grab	GW				10	X	X	X	X	X	X						

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes / No) HCL / MeoH	If preservation required by Login: Date/Time
Scott Ude	6/17/20	1700		TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.3 °C Bottles Received: 395	
				.5-1=4	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/19/20 Time: 845	Hold: CM 1/30/21 Condition: NCF / OK

Released to Imaging: 11/22/2022 9:50:00 AM
Received by OCD: 11/22/2022 9:46:04 AM

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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 12 of 13

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 112311

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
DUP-REST-04	Grab	GW		6/17/20	1000	11	X	X	X		X	X	X	X				34
~~DUP-REST-05~~	Grab	GW				11	X	X	X		X	X	X	X				
EB-REST-01	Grab	GW		6/17/20	1530	10	X	X	X	X	X	X						35
~~EB-REST-02~~	Grab	GW				10	X	X	X	X	X	X						
EB-REST-03	Grab	GW		6/17/20	1400	10	X	X	X	X	X	X						36
EB-REST-04	Grab	GW		6/17/20	1205	11	X	X	X		X	X	X	X				37
~~EB-REST-05~~	Grab	GW				11	X	X	X		X	X	X	X				
TRIP BLANK-REST-01	Grab	GW				1	X											
~~TRIP BLANK-REST-02~~	Grab	GW				1	X											
~~TRIP BLANK-REST-03~~	Grab	GW				1	X											

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	6/17/20	1700	
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

Temp: 4.7 °C Bottles Received: 345

Date: 6/19/20 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: (CP) OK

CM 1/30/21

Released to Imaging: 11/22/2022 9:50:00 AM
Received by OCD: 11/22/2022 9:46:04 AM

Chain of Custody Page 11 of 13

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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 #

L# 1123 1127
Table #
Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:
Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
~~MW-96~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-94~~ (LNAPL)	Grab	GW				10	X	X	X	X	X	X						
~~RW-8~~ (LNAPL)	Grab	GW				8	X	X		X	X	X						
~~MW-67~~ (LNAPL)	Grab	GW				13	X	X	X		X	X	X	X	X			
~~MW-95~~	Grab	GW				10	X	X	X	X	X	X						
RW-7	Grab	GW		6/17/20	1220	10	X	X	X	X	X	X						29
RW-#17A	Grab	GW		6/17/20	1510	10	X	X	X	X	X	X						30
DUP-REST-01	Grab	GW		6/17/20	1200	10	X	X	X	X	X	X						31
~~DUP-REST-02~~	Grab	GW		~~6/17/20~~	~~1100~~ SH	10	X	X	X	X	X	X						32
DUP-REST-03	Grab	GW		6/17/20	1100	10	X	X	X	X	X	X						33

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	6/17/20	1700	
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

Temp: 4.7°C
S.E.4

Bottles Received: 345

Date: 6/19/20 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

CM 1/30/21

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
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apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **REST Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-REST**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **REST (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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 13 of 13

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L #

Table #

Acctnum: TRCATX
Template: T133463
Prelogin: P763304
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
~~Trip Blank-REST-04~~	Grab	GW				1	X											
~~Trip Blank-REST-05~~	Grab	GW				1	X											

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	6/17/20	1700		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.4 °C Bottles Received: 345
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/19/20 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: CF / OK

CM 1/30/21

Released to Imaging: 11/22/2022 9:50:00 AM

Fed Ex Tracking #:	Corresponding temp
1663 5756 9467	4.1 - 0.1 = 4.0
1676 2755 8222	0.9 - .1 = 0.8
1663 5756 9732	0.4 - .1 = 0.3
9489	1.3 + .1 = 1.4
1676 2755 8233	0.5 - .1 = 0.4
1663 5756 9835	1.1 + .1 = 1.2
9412	1.9 - .1 = 1.8
9490	1.1 - .1 = 1.0
1676 2755 8211	1.2 - .1 = 1.1
1203 5785 6051	1.5 - .1 = 1.4
1663 5756 1054	1.5 - .1 = 1.4
1087	1.7 - .1 = 1.6
1043	0.8 - .1 = 0.7
1065	0.3 - .1 = 0.2
1076	1.0 - .1 = 0.9
9478	3.7 - .1 = 3.6
9721	0.3 - .1 = 0.2
9798	1.2 - .1 = 1.1
4492 6230 1294	1.5 - .1 = 1.4
1203 5785 6040	1.1 - .1 = 1.0
1663 5756 9423	1.5 - .1 = 1.4
No Tracking #	1.6 - .1 = 1.5

HM AT

MP A3

HM AT

MP A3

HM AT

KI AT

Received by OCD: 11/22/2022 9:46:04 AM

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

July 02, 2020

TRC Solutions - Austin, TX

Sample Delivery Group:	L1231153
Samples Received:	06/19/2020
Project Number:	330538.0000.0000
Description:	NCL Spring 2020
Site:	NCL (NAVAJO-ARTESIA)
Report To:	Julie Speer
	505 E. Huntland Dr, Ste 250
	Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

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



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MW-45 L1231153-01 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 15:20
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	1	06/30/20 18:36	06/30/20 18:36	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1499866	1	06/27/20 14:03	06/27/20 15:56	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	100	06/26/20 16:59	06/26/20 16:59	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	5	06/26/20 16:41	06/26/20 16:41	MSP	Mt. Juliet, TN
Mercury by Method 7470A	WG1496610	1	06/23/20 10:45	06/23/20 22:28	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1496616	1	06/23/20 20:00	06/24/20 12:07	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498719	1	06/25/20 23:45	06/26/20 08:34	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498739	1	06/25/20 12:13	06/25/20 17:33	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 15:37	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/28/20 23:28	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 17:54	06/23/20 17:54	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497082	1	06/23/20 16:01	06/29/20 03:29	CAG	Mt. Juliet, TN

NCL-34A L1231153-02 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 13:10
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	100	06/30/20 18:39	06/30/20 18:39	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	1	06/26/20 17:17	06/26/20 17:17	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	10	06/26/20 17:34	06/26/20 17:34	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 15:41	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/28/20 23:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	20	06/23/20 18:12	06/23/20 18:12	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/26/20 03:16	JDG	Mt. Juliet, TN

NCL-33 L1231153-03 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 13:55
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	1	06/30/20 18:40	06/30/20 18:40	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	1	06/26/20 17:52	06/26/20 17:52	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	100	06/26/20 18:10	06/26/20 18:10	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498726	1	06/25/20 22:09	06/26/20 15:44	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/28/20 23:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 18:32	06/23/20 18:32	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/27/20 03:59	KME	Mt. Juliet, TN

NCL-44 L1231153-04 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 11:35
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498147	1	06/24/20 19:17	06/24/20 23:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	1	06/30/20 18:41	06/30/20 18:41	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	1	06/26/20 18:28	06/26/20 18:28	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	50	06/26/20 18:46	06/26/20 18:46	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 16:08	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/28/20 23:56	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 18:51	06/23/20 18:51	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/27/20 04:24	KME	Mt. Juliet, TN

NCL-32 L1231153-05 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 10:50
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	5	06/30/20 18:43	06/30/20 18:43	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	1	06/26/20 19:40	06/26/20 19:40	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	50	06/26/20 19:58	06/26/20 19:58	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 16:32	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/29/20 00:00	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 19:10	06/23/20 19:10	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/26/20 10:37	JDG	Mt. Juliet, TN

MW-108 L1231153-06 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 09:25
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	100	06/30/20 18:44	06/30/20 18:44	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	1	06/26/20 20:16	06/26/20 20:16	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	5	06/27/20 13:23	06/27/20 13:23	MCG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 16:51	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/29/20 00:03	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	5	06/23/20 19:29	06/23/20 19:29	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/26/20 04:08	JDG	Mt. Juliet, TN

NCL-31 L1231153-07 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 10:05
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499267	1	06/30/20 18:45	06/30/20 18:45	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	1	06/26/20 20:51	06/26/20 20:51	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	50	06/26/20 21:09	06/26/20 21:09	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 16:55	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/29/20 00:07	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 19:48	06/23/20 19:48	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/27/20 01:24	KME	Mt. Juliet, TN

MW-18 L1231153-08 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 14:40
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499268	5	06/29/20 21:10	06/29/20 21:10	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1499866	1	06/27/20 14:03	06/27/20 15:57	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	1	06/26/20 21:27	06/26/20 21:27	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	50	06/26/20 22:21	06/26/20 22:21	MSP	Mt. Juliet, TN
Mercury by Method 7470A	WG1496610	1	06/23/20 10:45	06/23/20 22:30	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1496616	1	06/23/20 20:00	06/24/20 12:10	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498719	1	06/25/20 23:45	06/26/20 08:37	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498739	1	06/25/20 12:13	06/25/20 17:37	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 16:58	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/29/20 00:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 20:07	06/23/20 20:07	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/26/20 05:00	JDG	Mt. Juliet, TN

SAMPLE SUMMARY

EB-NCL-01 L1231153-09 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/17/20 11:00	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499268	1	06/29/20 23:05	06/29/20 23:05	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498103	1	06/26/20 23:15	06/26/20 23:15	MSP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 17:01	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498750	1	06/26/20 08:21	06/29/20 00:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 20:26	06/23/20 20:26	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/26/20 10:11	JDG	Mt. Juliet, TN

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.



Chris McCord
Project Manager

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4480		28.2	100	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/30/2020 18:36	WG1499267

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	0.00225	J	0.00180	0.00500	1	06/27/2020 15:56	WG1499866

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	413		1.90	5.00	5	06/26/2020 16:41	WG1498103
Fluoride	1.54		0.320	0.750	5	06/26/2020 16:41	WG1498103
Sulfate	2490		59.4	500	100	06/26/2020 16:59	WG1498103

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	06/23/2020 22:28	WG1496610
Mercury,Dissolved	U		0.000100	0.000200	1	06/24/2020 12:07	WG1496616

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.573		0.0254	0.200	1	06/25/2020 17:33	WG1498739
Boron,Dissolved	0.566		0.0254	0.200	1	06/26/2020 08:34	WG1498719

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00395		0.000735	0.00200	1	06/28/2020 23:28	WG1498750
Arsenic,Dissolved	0.00386		0.000735	0.00200	1	06/26/2020 15:37	WG1498726
Barium	0.0157	J	0.00778	0.0200	1	06/28/2020 23:28	WG1498750
Barium,Dissolved	0.0132	J	0.00778	0.0200	1	06/26/2020 15:37	WG1498726
Cadmium	U		0.000478	0.00100	1	06/28/2020 23:28	WG1498750
Cadmium,Dissolved	U		0.000478	0.00100	1	06/26/2020 15:37	WG1498726
Calcium	574		0.480	1.00	1	06/28/2020 23:28	WG1498750
Chromium	U		0.00149	0.00200	1	06/28/2020 23:28	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 15:37	WG1498726
Cobalt	U		0.000477	0.00200	1	06/28/2020 23:28	WG1498750
Cobalt,Dissolved	U		0.000477	0.00200	1	06/26/2020 15:37	WG1498726
Iron	1.02		0.0489	0.100	1	06/28/2020 23:28	WG1498750
Iron,Dissolved	0.967		0.0489	0.100	1	06/26/2020 15:37	WG1498726
Lead	U		0.00249	0.00500	1	06/28/2020 23:28	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 15:37	WG1498726
Manganese	0.481		0.00132	0.00500	1	06/28/2020 23:28	WG1498750
Manganese,Dissolved	0.502		0.00132	0.00500	1	06/26/2020 15:37	WG1498726
Nickel	0.00525		0.000952	0.00200	1	06/28/2020 23:28	WG1498750
Nickel,Dissolved	0.00643		0.000952	0.00200	1	06/26/2020 15:37	WG1498726

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Collected date/time: 06/17/20 15:20
L1231153

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	4.80		0.534	2.00	1	06/28/2020 23:28	WG1498750
Selenium	U		0.000657	0.00200	1	06/28/2020 23:28	WG1498750
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 15:37	WG1498726
Sodium	339		0.630	2.00	1	06/28/2020 23:28	WG1498750
Uranium	U		0.00754	0.0200	1	06/28/2020 23:28	WG1498750
Uranium,Dissolved	U		0.00754	0.0200	1	06/26/2020 15:37	WG1498726
Vanadium	U		0.000986	0.00500	1	06/28/2020 23:28	WG1498750
Vanadium,Dissolved	U		0.000986	0.00500	1	06/26/2020 15:37	WG1498726

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 17:54	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 17:54	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 17:54	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 17:54	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 17:54	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 17:54	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 17:54	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 17:54	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 17:54	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 17:54	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 17:54	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 17:54	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 17:54	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 17:54	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 17:54	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 17:54	WG1497262
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 17:54	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 17:54	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 17:54	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 17:54	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 17:54	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 17:54	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 17:54	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 17:54	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 17:54	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 17:54	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 17:54	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 17:54	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 17:54	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 17:54	WG1497262
Methyl tert-butyl ether	0.00634		0.000101	0.00100	1	06/23/2020 17:54	WG1497262
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 17:54	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 17:54	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 17:54	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 17:54	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 17:54	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 17:54	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 17:54	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 17:54	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 17:54	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 17:54	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 17:54	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 17:54	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 17:54	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
o-Xylene	U		0.000174	0.00100	1	06/23/2020 17:54	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 17:54	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 17:54	WG1497262
(S) Toluene-d8	*108*			*80.0-120*		*06/23/2020 17:54*	WG1497262
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*06/23/2020 17:54*	WG1497262
(S) 1,2-Dichloroethane-d4	*84.7*			*70.0-130*		*06/23/2020 17:54*	WG1497262

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.739		0.0247	0.100	1	06/29/2020 03:29	WG1497082
(S) o-Terphenyl	*70.5*			*31.0-160*		*06/29/2020 03:29*	WG1497082

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

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1680		7.05	25.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		5.00	10.0	100	06/30/2020 18:39	WG1499267

Sample Narrative:

L1231153-02 WG1499267: diluted due to sulfide hit

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	260		3.79	10.0	10	06/26/2020 17:34	WG1498103
Fluoride	1.31		0.0640	0.150	1	06/26/2020 17:17	WG1498103
Sulfate	234		5.94	50.0	10	06/26/2020 17:34	WG1498103

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000811	J	0.000735	0.00200	1	06/28/2020 23:50	WG1498750
Arsenic,Dissolved	U		0.000735	0.00200	1	06/26/2020 15:41	WG1498726
Barium	0.242		0.00778	0.0200	1	06/28/2020 23:50	WG1498750
Barium,Dissolved	0.229		0.00778	0.0200	1	06/26/2020 15:41	WG1498726
Calcium	283		0.480	1.00	1	06/28/2020 23:50	WG1498750
Chromium	U		0.00149	0.00200	1	06/28/2020 23:50	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 15:41	WG1498726
Iron	U		0.0489	0.100	1	06/28/2020 23:50	WG1498750
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 15:41	WG1498726
Lead	U		0.00249	0.00500	1	06/28/2020 23:50	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 15:41	WG1498726
Manganese	0.0416		0.00132	0.00500	1	06/28/2020 23:50	WG1498750
Manganese,Dissolved	0.0415		0.00132	0.00500	1	06/26/2020 15:41	WG1498726
Potassium	1.13	J	0.534	2.00	1	06/28/2020 23:50	WG1498750
Selenium	U		0.000657	0.00200	1	06/28/2020 23:50	WG1498750
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 15:41	WG1498726
Sodium	104		0.630	2.00	1	06/28/2020 23:50	WG1498750

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	06/23/2020 18:12	WG1497262
Benzene	1.10		0.00188	0.0200	20	06/23/2020 18:12	WG1497262
Bromodichloromethane	U		0.00272	0.0200	20	06/23/2020 18:12	WG1497262
Bromoform	U		0.00258	0.0200	20	06/23/2020 18:12	WG1497262
Bromomethane	U		0.0121	0.100	20	06/23/2020 18:12	WG1497262
n-Butylbenzene	0.00420	J	0.00314	0.0200	20	06/23/2020 18:12	WG1497262
sec-Butylbenzene	0.0164	J	0.00250	0.0200	20	06/23/2020 18:12	WG1497262
Carbon disulfide	U		0.00192	0.0200	20	06/23/2020 18:12	WG1497262
Carbon tetrachloride	U		0.00256	0.0200	20	06/23/2020 18:12	WG1497262
Chlorobenzene	U		0.00232	0.0200	20	06/23/2020 18:12	WG1497262
Chlorodibromomethane	U		0.00280	0.0200	20	06/23/2020 18:12	WG1497262
Chloroethane	U		0.00384	0.100	20	06/23/2020 18:12	WG1497262
Chloroform	U		0.00222	0.100	20	06/23/2020 18:12	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.0192	0.0500	20	06/23/2020 18:12	WG1497262
1,2-Dibromoethane	U		0.00252	0.0200	20	06/23/2020 18:12	WG1497262
1,1-Dichloroethane	U		0.00200	0.0200	20	06/23/2020 18:12	WG1497262
1,2-Dichloroethane	U		0.00164	0.0200	20	06/23/2020 18:12	WG1497262
1,1-Dichloroethene	U		0.00376	0.0200	20	06/23/2020 18:12	WG1497262
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	06/23/2020 18:12	WG1497262
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	06/23/2020 18:12	WG1497262
1,2-Dichloropropane	U		0.00298	0.0200	20	06/23/2020 18:12	WG1497262
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	06/23/2020 18:12	WG1497262
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	06/23/2020 18:12	WG1497262
Ethylbenzene	0.00476	J	0.00274	0.0200	20	06/23/2020 18:12	WG1497262
Isopropylbenzene	0.0844		0.00210	0.0200	20	06/23/2020 18:12	WG1497262
p-Isopropyltoluene	U		0.00240	0.0200	20	06/23/2020 18:12	WG1497262
2-Butanone (MEK)	U		0.0238	0.200	20	06/23/2020 18:12	WG1497262
2-Hexanone	U		0.0157	0.200	20	06/23/2020 18:12	WG1497262
Methylene Chloride	U		0.00860	0.100	20	06/23/2020 18:12	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	06/23/2020 18:12	WG1497262
Methyl tert-butyl ether	U		0.00202	0.0200	20	06/23/2020 18:12	WG1497262
Naphthalene	U	J4	0.0200	0.100	20	06/23/2020 18:12	WG1497262
n-Propylbenzene	0.0686		0.00199	0.0200	20	06/23/2020 18:12	WG1497262
Styrene	U		0.00236	0.0200	20	06/23/2020 18:12	WG1497262
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	06/23/2020 18:12	WG1497262
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	06/23/2020 18:12	WG1497262
Tetrachloroethene	U		0.00600	0.0200	20	06/23/2020 18:12	WG1497262
Toluene	U		0.00556	0.0200	20	06/23/2020 18:12	WG1497262
1,1,1-Trichloroethane	U		0.00298	0.0200	20	06/23/2020 18:12	WG1497262
1,1,2-Trichloroethane	U		0.00316	0.0200	20	06/23/2020 18:12	WG1497262
Trichloroethene	U		0.00380	0.0200	20	06/23/2020 18:12	WG1497262
1,2,4-Trimethylbenzene	0.0113	J	0.00644	0.0200	20	06/23/2020 18:12	WG1497262
1,3,5-Trimethylbenzene	0.00286	J	0.00208	0.0200	20	06/23/2020 18:12	WG1497262
Vinyl chloride	U		0.00468	0.0200	20	06/23/2020 18:12	WG1497262
o-Xylene	U		0.00348	0.0200	20	06/23/2020 18:12	WG1497262
m&p-Xylene	0.0335	J	0.00860	0.0400	20	06/23/2020 18:12	WG1497262
Xylenes, Total	0.0335	J	0.00348	0.0600	20	06/23/2020 18:12	WG1497262
(S) Toluene-d8	*108*			*80.0-120*		*06/23/2020 18:12*	WG1497262
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/23/2020 18:12*	WG1497262
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/23/2020 18:12*	WG1497262

Sample Narrative:

L1231153-02 WG1497262: Target and Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.58		0.0247	0.100	1	06/26/2020 03:16	WG1497084
(S) o-Terphenyl	*121*			*31.0-160*		*06/26/2020 03:16*	WG1497084

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3890		14.1	50.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0547	J	0.0500	0.100	1	06/30/2020 18:40	WG1499267

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	692		37.9	100	100	06/26/2020 18:10	WG1498103
Fluoride	2.44		0.0640	0.150	1	06/26/2020 17:52	WG1498103
Sulfate	1540		59.4	500	100	06/26/2020 18:10	WG1498103

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00452		0.000735	0.00200	1	06/28/2020 23:53	WG1498750
Arsenic,Dissolved	0.00369		0.000735	0.00200	1	06/26/2020 15:44	WG1498726
Barium	0.0289		0.00778	0.0200	1	06/28/2020 23:53	WG1498750
Barium,Dissolved	0.0263		0.00778	0.0200	1	06/26/2020 15:44	WG1498726
Calcium	714		0.480	1.00	1	06/28/2020 23:53	WG1498750
Chromium	U		0.00149	0.00200	1	06/28/2020 23:53	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 15:44	WG1498726
Iron	3.52		0.0489	0.100	1	06/28/2020 23:53	WG1498750
Iron,Dissolved	2.79		0.0489	0.100	1	06/26/2020 15:44	WG1498726
Lead	U		0.00249	0.00500	1	06/28/2020 23:53	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 15:44	WG1498726
Manganese	0.194		0.00132	0.00500	1	06/28/2020 23:53	WG1498750
Manganese,Dissolved	0.205		0.00132	0.00500	1	06/26/2020 15:44	WG1498726
Potassium	5.60		0.534	2.00	1	06/28/2020 23:53	WG1498750
Selenium	0.00130	J	0.000657	0.00200	1	06/28/2020 23:53	WG1498750
Selenium,Dissolved	0.00192	J	0.000657	0.00200	1	06/26/2020 15:44	WG1498726
Sodium	166		0.630	2.00	1	06/28/2020 23:53	WG1498750

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 18:32	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 18:32	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 18:32	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 18:32	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 18:32	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 18:32	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 18:32	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 18:32	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 18:32	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 18:32	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 18:32	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 18:32	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 18:32	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 18:32	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 18:32	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 18:32	WG1497262

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NCL-33 SAMPLE RESULTS - 03 ONE LAB. NATIONWIDE.

Collected date/time: 06/17/20 13:55 L1231153

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 18:32	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 18:32	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 18:32	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 18:32	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 18:32	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 18:32	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 18:32	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 18:32	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 18:32	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 18:32	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 18:32	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 18:32	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 18:32	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 18:32	WG1497262
Methyl tert-butyl ether	0.000208	J	0.000101	0.00100	1	06/23/2020 18:32	WG1497262
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 18:32	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 18:32	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 18:32	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 18:32	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 18:32	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 18:32	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 18:32	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 18:32	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 18:32	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 18:32	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 18:32	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 18:32	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 18:32	WG1497262
o-Xylene	U		0.000174	0.00100	1	06/23/2020 18:32	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 18:32	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 18:32	WG1497262
(S) Toluene-d8	*112*			*80.0-120*		*06/23/2020 18:32*	WG1497262
(S) 4-Bromofluorobenzene	*97.4*			*77.0-126*		*06/23/2020 18:32*	WG1497262
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*06/23/2020 18:32*	WG1497262

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.21		0.0247	0.100	1	06/27/2020 03:59	WG1497084
(S) o-Terphenyl	*116*			*31.0-160*		*06/27/2020 03:59*	WG1497084

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2700		14.1	50.0	1	06/24/2020 23:15	WG1498147

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/30/2020 18:41	WG1499267

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	141		19.0	50.0	50	06/26/2020 18:46	WG1498103
Fluoride	1.66		0.0640	0.150	1	06/26/2020 18:28	WG1498103
Sulfate	1290		29.7	250	50	06/26/2020 18:46	WG1498103

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0305		0.000735	0.00200	1	06/28/2020 23:56	WG1498750
Arsenic,Dissolved	0.0273		0.000735	0.00200	1	06/26/2020 16:08	WG1498727
Barium	0.0218		0.00778	0.0200	1	06/28/2020 23:56	WG1498750
Barium,Dissolved	0.0214		0.00778	0.0200	1	06/26/2020 16:08	WG1498727
Calcium	373		0.480	1.00	1	06/28/2020 23:56	WG1498750
Chromium	U		0.00149	0.00200	1	06/28/2020 23:56	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 16:08	WG1498727
Iron	1.09		0.0489	0.100	1	06/28/2020 23:56	WG1498750
Iron,Dissolved	0.787		0.0489	0.100	1	06/26/2020 16:08	WG1498727
Lead	U		0.00249	0.00500	1	06/28/2020 23:56	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 16:08	WG1498727
Manganese	0.842		0.00132	0.00500	1	06/28/2020 23:56	WG1498750
Manganese,Dissolved	0.905	V	0.00132	0.00500	1	06/26/2020 16:08	WG1498727
Potassium	2.15		0.534	2.00	1	06/28/2020 23:56	WG1498750
Selenium	U		0.000657	0.00200	1	06/28/2020 23:56	WG1498750
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 16:08	WG1498727
Sodium	135		0.630	2.00	1	06/28/2020 23:56	WG1498750

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 18:51	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 18:51	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 18:51	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 18:51	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 18:51	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 18:51	WG1497262
sec-Butylbenzene	0.000413	J	0.000125	0.00100	1	06/23/2020 18:51	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 18:51	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 18:51	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 18:51	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 18:51	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 18:51	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 18:51	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 18:51	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 18:51	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 18:51	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 18:51	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 18:51	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 18:51	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 18:51	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 18:51	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 18:51	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 18:51	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 18:51	WG1497262
Isopropylbenzene	0.00134		0.000105	0.00100	1	06/23/2020 18:51	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 18:51	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 18:51	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 18:51	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 18:51	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 18:51	WG1497262
Methyl tert-butyl ether	0.000383	J	0.000101	0.00100	1	06/23/2020 18:51	WG1497262
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 18:51	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 18:51	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 18:51	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 18:51	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 18:51	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 18:51	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 18:51	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 18:51	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 18:51	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 18:51	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 18:51	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 18:51	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 18:51	WG1497262
o-Xylene	U		0.000174	0.00100	1	06/23/2020 18:51	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 18:51	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 18:51	WG1497262
(S) Toluene-d8	*105*			*80.0-120*		*06/23/2020 18:51*	WG1497262
(S) 4-Bromofluorobenzene	*98.7*			*77.0-126*		*06/23/2020 18:51*	WG1497262
(S) 1,2-Dichloroethane-d4	*98.7*			*70.0-130*		*06/23/2020 18:51*	WG1497262

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.52		0.0247	0.100	1	06/27/2020 04:24	WG1497084
(S) o-Terphenyl	*114*			*31.0-160*		*06/27/2020 04:24*	WG1497084

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2940		14.1	50.0	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	6.45		0.250	0.500	5	06/30/2020 18:43	WG1499267

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	90.7		0.379	1.00	1	06/26/2020 19:40	WG1498103
Fluoride	1.36		0.0640	0.150	1	06/26/2020 19:40	WG1498103
Sulfate	1730		29.7	250	50	06/26/2020 19:58	WG1498103

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00203		0.000735	0.00200	1	06/29/2020 00:00	WG1498750
Arsenic,Dissolved	0.00233		0.000735	0.00200	1	06/26/2020 16:32	WG1498727
Barium	0.0165	J	0.00778	0.0200	1	06/29/2020 00:00	WG1498750
Barium,Dissolved	0.0169	J	0.00778	0.0200	1	06/26/2020 16:32	WG1498727
Calcium	472		0.480	1.00	1	06/29/2020 00:00	WG1498750
Chromium	U		0.00149	0.00200	1	06/29/2020 00:00	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 16:32	WG1498727
Iron	U		0.0489	0.100	1	06/29/2020 00:00	WG1498750
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 16:32	WG1498727
Lead	U		0.00249	0.00500	1	06/29/2020 00:00	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 16:32	WG1498727
Manganese	1.31		0.00132	0.00500	1	06/29/2020 00:00	WG1498750
Manganese,Dissolved	1.31		0.00132	0.00500	1	06/26/2020 16:32	WG1498727
Potassium	3.12		0.534	2.00	1	06/29/2020 00:00	WG1498750
Selenium	0.00321		0.000657	0.00200	1	06/29/2020 00:00	WG1498750
Selenium,Dissolved	0.00326		0.000657	0.00200	1	06/26/2020 16:32	WG1498727
Sodium	107		0.630	2.00	1	06/29/2020 00:00	WG1498750

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 19:10	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 19:10	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 19:10	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 19:10	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 19:10	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 19:10	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 19:10	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 19:10	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 19:10	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 19:10	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 19:10	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 19:10	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 19:10	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 19:10	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 19:10	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 19:10	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 19:10	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 19:10	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 19:10	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 19:10	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 19:10	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 19:10	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 19:10	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 19:10	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 19:10	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 19:10	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 19:10	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 19:10	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 19:10	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 19:10	WG1497262
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 19:10	WG1497262
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 19:10	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 19:10	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 19:10	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 19:10	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 19:10	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 19:10	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 19:10	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 19:10	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 19:10	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 19:10	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 19:10	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 19:10	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 19:10	WG1497262
o-Xylene	U		0.000174	0.00100	1	06/23/2020 19:10	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 19:10	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 19:10	WG1497262
(S) Toluene-d8	*112*			*80.0-120*		*06/23/2020 19:10*	WG1497262
(S) 4-Bromofluorobenzene	*98.3*			*77.0-126*		*06/23/2020 19:10*	WG1497262
(S) 1,2-Dichloroethane-d4	*95.3*			*70.0-130*		*06/23/2020 19:10*	WG1497262

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.533		0.0247	0.100	1	06/26/2020 10:37	WG1497084
(S) o-Terphenyl	*72.1*			*31.0-160*		*06/26/2020 10:37*	WG1497084

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1270		5.64	20.0	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		5.00	10.0	100	06/30/2020 18:44	WG1499267

Sample Narrative:

L1231153-06 WG1499267: diluted due to sulfide hit

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	17.9		0.379	1.00	1	06/26/2020 20:16	WG1498103
Fluoride	1.63		0.0640	0.150	1	06/26/2020 20:16	WG1498103
Sulfate	365		2.97	25.0	5	06/27/2020 13:23	WG1498103

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00111	J	0.000735	0.00200	1	06/29/2020 00:03	WG1498750
Arsenic,Dissolved	0.00121	J	0.000735	0.00200	1	06/26/2020 16:51	WG1498727
Barium	0.0411		0.00778	0.0200	1	06/29/2020 00:03	WG1498750
Barium,Dissolved	0.0427		0.00778	0.0200	1	06/26/2020 16:51	WG1498727
Calcium	157		0.480	1.00	1	06/29/2020 00:03	WG1498750
Chromium	U		0.00149	0.00200	1	06/29/2020 00:03	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 16:51	WG1498727
Iron	0.230		0.0489	0.100	1	06/29/2020 00:03	WG1498750
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 16:51	WG1498727
Lead	U		0.00249	0.00500	1	06/29/2020 00:03	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 16:51	WG1498727
Manganese	0.0401		0.00132	0.00500	1	06/29/2020 00:03	WG1498750
Manganese,Dissolved	0.0364		0.00132	0.00500	1	06/26/2020 16:51	WG1498727
Potassium	U		0.534	2.00	1	06/29/2020 00:03	WG1498750
Selenium	U		0.000657	0.00200	1	06/29/2020 00:03	WG1498750
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 16:51	WG1498727
Sodium	45.5		0.630	2.00	1	06/29/2020 00:03	WG1498750

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0565	0.250	5	06/23/2020 19:29	WG1497262
Benzene	0.235		0.000471	0.00500	5	06/23/2020 19:29	WG1497262
Bromodichloromethane	U		0.000680	0.00500	5	06/23/2020 19:29	WG1497262
Bromoform	U		0.000645	0.00500	5	06/23/2020 19:29	WG1497262
Bromomethane	U		0.00303	0.0250	5	06/23/2020 19:29	WG1497262
n-Butylbenzene	0.00177	J	0.000785	0.00500	5	06/23/2020 19:29	WG1497262
sec-Butylbenzene	0.00388	J	0.000625	0.00500	5	06/23/2020 19:29	WG1497262
Carbon disulfide	0.000980	B J	0.000481	0.00500	5	06/23/2020 19:29	WG1497262
Carbon tetrachloride	U		0.000640	0.00500	5	06/23/2020 19:29	WG1497262
Chlorobenzene	U		0.000580	0.00500	5	06/23/2020 19:29	WG1497262
Chlorodibromomethane	U		0.000700	0.00500	5	06/23/2020 19:29	WG1497262
Chloroethane	U		0.000960	0.0250	5	06/23/2020 19:29	WG1497262
Chloroform	0.00126	J	0.000555	0.0250	5	06/23/2020 19:29	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.00480	0.0125	5	06/23/2020 19:29	WG1497262
1,2-Dibromoethane	U		0.000630	0.00500	5	06/23/2020 19:29	WG1497262
1,1-Dichloroethane	U		0.000500	0.00500	5	06/23/2020 19:29	WG1497262
1,2-Dichloroethane	U		0.000409	0.00500	5	06/23/2020 19:29	WG1497262
1,1-Dichloroethene	U		0.000940	0.00500	5	06/23/2020 19:29	WG1497262
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	06/23/2020 19:29	WG1497262
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	06/23/2020 19:29	WG1497262
1,2-Dichloropropane	U		0.000745	0.00500	5	06/23/2020 19:29	WG1497262
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	06/23/2020 19:29	WG1497262
trans-1,3-Dichloropropene	U		0.000590	0.00500	5	06/23/2020 19:29	WG1497262
Ethylbenzene	0.00278	J	0.000685	0.00500	5	06/23/2020 19:29	WG1497262
Isopropylbenzene	0.0235		0.000525	0.00500	5	06/23/2020 19:29	WG1497262
p-Isopropyltoluene	0.00115	J	0.000600	0.00500	5	06/23/2020 19:29	WG1497262
2-Butanone (MEK)	U		0.00595	0.0500	5	06/23/2020 19:29	WG1497262
2-Hexanone	U		0.00394	0.0500	5	06/23/2020 19:29	WG1497262
Methylene Chloride	U		0.00215	0.0250	5	06/23/2020 19:29	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	06/23/2020 19:29	WG1497262
Methyl tert-butyl ether	U		0.000505	0.00500	5	06/23/2020 19:29	WG1497262
Naphthalene	U	J4	0.00500	0.0250	5	06/23/2020 19:29	WG1497262
n-Propylbenzene	0.0205		0.000497	0.00500	5	06/23/2020 19:29	WG1497262
Styrene	U		0.000590	0.00500	5	06/23/2020 19:29	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	06/23/2020 19:29	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	06/23/2020 19:29	WG1497262
Tetrachloroethene	U		0.00150	0.00500	5	06/23/2020 19:29	WG1497262
Toluene	0.00293	J	0.00139	0.00500	5	06/23/2020 19:29	WG1497262
1,1,1-Trichloroethane	U		0.000745	0.00500	5	06/23/2020 19:29	WG1497262
1,1,2-Trichloroethane	U		0.000790	0.00500	5	06/23/2020 19:29	WG1497262
Trichloroethene	U		0.000950	0.00500	5	06/23/2020 19:29	WG1497262
1,2,4-Trimethylbenzene	0.0128		0.00161	0.00500	5	06/23/2020 19:29	WG1497262
1,3,5-Trimethylbenzene	0.00213	J	0.000520	0.00500	5	06/23/2020 19:29	WG1497262
Vinyl chloride	U		0.00117	0.00500	5	06/23/2020 19:29	WG1497262
o-Xylene	0.00120	J	0.000870	0.00500	5	06/23/2020 19:29	WG1497262
m&p-Xylene	0.0403		0.00215	0.0100	5	06/23/2020 19:29	WG1497262
Xylenes, Total	0.0415		0.000870	0.0150	5	06/23/2020 19:29	WG1497262
(S) Toluene-d8	*109*			*80.0-120*		*06/23/2020 19:29*	WG1497262
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*06/23/2020 19:29*	WG1497262
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/23/2020 19:29*	WG1497262

Sample Narrative:

L1231153-06 WG1497262: Elevated RL due to foamy matrix.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.79		0.0247	0.100	1	06/26/2020 04:08	WG1497084
(S) o-Terphenyl	*105*			*31.0-160*		*06/26/2020 04:08*	WG1497084

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2580		14.1	50.0	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/30/2020 18:45	WG1499267

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	21.3		0.379	1.00	1	06/26/2020 20:51	WG1498103
Fluoride	1.36		0.0640	0.150	1	06/26/2020 20:51	WG1498103
Sulfate	1600		29.7	250	50	06/26/2020 21:09	WG1498103

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0135		0.000735	0.00200	1	06/29/2020 00:07	WG1498750
Arsenic,Dissolved	0.0135		0.000735	0.00200	1	06/26/2020 16:55	WG1498727
Barium	0.0134	J	0.00778	0.0200	1	06/29/2020 00:07	WG1498750
Barium,Dissolved	0.0116	J	0.00778	0.0200	1	06/26/2020 16:55	WG1498727
Calcium	308		0.480	1.00	1	06/29/2020 00:07	WG1498750
Chromium	U		0.00149	0.00200	1	06/29/2020 00:07	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 16:55	WG1498727
Iron	1.13		0.0489	0.100	1	06/29/2020 00:07	WG1498750
Iron,Dissolved	0.720		0.0489	0.100	1	06/26/2020 16:55	WG1498727
Lead	U		0.00249	0.00500	1	06/29/2020 00:07	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 16:55	WG1498727
Manganese	2.24		0.00132	0.00500	1	06/29/2020 00:07	WG1498750
Manganese,Dissolved	2.31		0.00132	0.00500	1	06/26/2020 16:55	WG1498727
Potassium	U		0.534	2.00	1	06/29/2020 00:07	WG1498750
Selenium	U		0.000657	0.00200	1	06/29/2020 00:07	WG1498750
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 16:55	WG1498727
Sodium	65.4		0.630	2.00	1	06/29/2020 00:07	WG1498750

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 19:48	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 19:48	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 19:48	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 19:48	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 19:48	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 19:48	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 19:48	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 19:48	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 19:48	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 19:48	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 19:48	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 19:48	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 19:48	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 19:48	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 19:48	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 19:48	WG1497262

Received by OCD: 11/22/2022 9:46:04 AM

NCL-31

SAMPLE RESULTS - 07

Collected date/time: 06/17/20 10:05

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 19:48	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 19:48	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 19:48	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 19:48	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 19:48	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 19:48	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 19:48	WG1497262
Ethylbenzene	0.000241	J	0.000137	0.00100	1	06/23/2020 19:48	WG1497262
Isopropylbenzene	0.000205	J	0.000105	0.00100	1	06/23/2020 19:48	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 19:48	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 19:48	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 19:48	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 19:48	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 19:48	WG1497262
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 19:48	WG1497262
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 19:48	WG1497262
n-Propylbenzene	0.000144	J	0.0000993	0.00100	1	06/23/2020 19:48	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 19:48	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 19:48	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 19:48	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 19:48	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 19:48	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 19:48	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 19:48	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 19:48	WG1497262
1,2,4-Trimethylbenzene	0.000542	J	0.000322	0.00100	1	06/23/2020 19:48	WG1497262
1,3,5-Trimethylbenzene	0.000195	J	0.000104	0.00100	1	06/23/2020 19:48	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 19:48	WG1497262
o-Xylene	0.000287	J	0.000174	0.00100	1	06/23/2020 19:48	WG1497262
m&p-Xylene	0.000667	J	0.000430	0.00200	1	06/23/2020 19:48	WG1497262
Xylenes, Total	0.000954	J	0.000174	0.00300	1	06/23/2020 19:48	WG1497262
(S) Toluene-d8	*108*			*80.0-120*		*06/23/2020 19:48*	WG1497262
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/23/2020 19:48*	WG1497262
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/23/2020 19:48*	WG1497262

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.494		0.0247	0.100	1	06/27/2020 01:24	WG1497084
(S) o-Terphenyl	*87.9*			*31.0-160*		*06/27/2020 01:24*	WG1497084

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	2870		14.1	50.0	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	18.3		0.250	0.500	5	06/29/2020 21:10	WG1499268

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	06/27/2020 15:57	WG1499866

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	154		19.0	50.0	50	06/26/2020 22:21	WG1498103
Fluoride	1.61		0.0640	0.150	1	06/26/2020 21:27	WG1498103
Sulfate	1510		29.7	250	50	06/26/2020 22:21	WG1498103

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/23/2020 22:30	WG1496610
Mercury,Dissolved	U		0.000100	0.000200	1	06/24/2020 12:10	WG1496616

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	2.52		0.0254	0.200	1	06/25/2020 17:37	WG1498739
Boron,Dissolved	2.49		0.0254	0.200	1	06/26/2020 08:37	WG1498719

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00271		0.000735	0.00200	1	06/29/2020 00:10	WG1498750
Arsenic,Dissolved	0.00297		0.000735	0.00200	1	06/26/2020 16:58	WG1498727
Barium	0.0126	J	0.00778	0.0200	1	06/29/2020 00:10	WG1498750
Barium,Dissolved	0.0128	J	0.00778	0.0200	1	06/26/2020 16:58	WG1498727
Cadmium	U		0.000478	0.00100	1	06/29/2020 00:10	WG1498750
Cadmium,Dissolved	U		0.000478	0.00100	1	06/26/2020 16:58	WG1498727
Calcium	421		0.480	1.00	1	06/29/2020 00:10	WG1498750
Chromium	U		0.00149	0.00200	1	06/29/2020 00:10	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 16:58	WG1498727
Cobalt	U		0.000477	0.00200	1	06/29/2020 00:10	WG1498750
Cobalt,Dissolved	U		0.000477	0.00200	1	06/26/2020 16:58	WG1498727
Iron	U		0.0489	0.100	1	06/29/2020 00:10	WG1498750
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 16:58	WG1498727
Lead	U		0.00249	0.00500	1	06/29/2020 00:10	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 16:58	WG1498727
Manganese	0.0169		0.00132	0.00500	1	06/29/2020 00:10	WG1498750
Manganese,Dissolved	0.0131		0.00132	0.00500	1	06/26/2020 16:58	WG1498727
Nickel	0.00103	J	0.000952	0.00200	1	06/29/2020 00:10	WG1498750
Nickel,Dissolved	0.00166	J	0.000952	0.00200	1	06/26/2020 16:58	WG1498727

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	1.66	J	0.534	2.00	1	06/29/2020 00:10	WG1498750
Selenium	0.00739		0.000657	0.00200	1	06/29/2020 00:10	WG1498750
Selenium,Dissolved	0.00785		0.000657	0.00200	1	06/26/2020 16:58	WG1498727
Sodium	58.7		0.630	2.00	1	06/29/2020 00:10	WG1498750
Uranium	0.0451		0.00754	0.0200	1	06/29/2020 00:10	WG1498750
Uranium,Dissolved	0.0442		0.00754	0.0200	1	06/26/2020 16:58	WG1498727
Vanadium	0.0180		0.000986	0.00500	1	06/29/2020 00:10	WG1498750
Vanadium,Dissolved	0.0181		0.000986	0.00500	1	06/26/2020 16:58	WG1498727

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 20:07	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 20:07	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 20:07	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 20:07	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 20:07	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 20:07	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 20:07	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 20:07	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 20:07	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 20:07	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 20:07	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 20:07	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 20:07	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 20:07	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 20:07	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 20:07	WG1497262
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 20:07	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 20:07	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 20:07	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 20:07	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 20:07	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 20:07	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 20:07	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 20:07	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 20:07	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 20:07	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 20:07	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 20:07	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 20:07	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 20:07	WG1497262
Methyl tert-butyl ether	0.000340	J	0.000101	0.00100	1	06/23/2020 20:07	WG1497262
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 20:07	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 20:07	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 20:07	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 20:07	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 20:07	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 20:07	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 20:07	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 20:07	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 20:07	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 20:07	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 20:07	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 20:07	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 20:07	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
o-Xylene	U		0.000174	0.00100	1	06/23/2020 20:07	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 20:07	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 20:07	WG1497262
(S) Toluene-d8	*111*			*80.0-120*		*06/23/2020 20:07*	WG1497262
(S) 4-Bromofluorobenzene	*99.5*			*77.0-126*		*06/23/2020 20:07*	WG1497262
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*06/23/2020 20:07*	WG1497262

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.812		0.0247	0.100	1	06/26/2020 05:00	WG1497084
(S) o-Terphenyl	*81.6*			*31.0-160*		*06/26/2020 05:00*	WG1497084

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	U		2.82	10.0	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 23:05	WG1499268

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	06/26/2020 23:15	WG1498103
Fluoride	U		0.0640	0.150	1	06/26/2020 23:15	WG1498103
Sulfate	U		0.594	5.00	1	06/26/2020 23:15	WG1498103

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	06/29/2020 00:26	WG1498750
Arsenic,Dissolved	U		0.000735	0.00200	1	06/26/2020 17:01	WG1498727
Barium	U		0.00778	0.0200	1	06/29/2020 00:26	WG1498750
Barium,Dissolved	U		0.00778	0.0200	1	06/26/2020 17:01	WG1498727
Calcium	U		0.480	1.00	1	06/29/2020 00:26	WG1498750
Chromium	U		0.00149	0.00200	1	06/29/2020 00:26	WG1498750
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 17:01	WG1498727
Iron	U		0.0489	0.100	1	06/29/2020 00:26	WG1498750
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 17:01	WG1498727
Lead	U		0.00249	0.00500	1	06/29/2020 00:26	WG1498750
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 17:01	WG1498727
Manganese	U		0.00132	0.00500	1	06/29/2020 00:26	WG1498750
Manganese,Dissolved	U		0.00132	0.00500	1	06/26/2020 17:01	WG1498727
Potassium	U		0.534	2.00	1	06/29/2020 00:26	WG1498750
Selenium	U		0.000657	0.00200	1	06/29/2020 00:26	WG1498750
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 17:01	WG1498727
Sodium	U		0.630	2.00	1	06/29/2020 00:26	WG1498750

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 20:26	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 20:26	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 20:26	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 20:26	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 20:26	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 20:26	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 20:26	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 20:26	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 20:26	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 20:26	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 20:26	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 20:26	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 20:26	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 20:26	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 20:26	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 20:26	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 20:26	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 20:26	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 20:26	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 20:26	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 20:26	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 20:26	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 20:26	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 20:26	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 20:26	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 20:26	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 20:26	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 20:26	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 20:26	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 20:26	WG1497262
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 20:26	WG1497262
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 20:26	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 20:26	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 20:26	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 20:26	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 20:26	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 20:26	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 20:26	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 20:26	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 20:26	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 20:26	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 20:26	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 20:26	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 20:26	WG1497262
o-Xylene	U		0.000174	0.00100	1	06/23/2020 20:26	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 20:26	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 20:26	WG1497262
(S) Toluene-d8	*112*			*80.0-120*		*06/23/2020 20:26*	WG1497262
(S) 4-Bromofluorobenzene	*99.8*			*77.0-126*		*06/23/2020 20:26*	WG1497262
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*		*06/23/2020 20:26*	WG1497262

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/26/2020 10:11	WG1497084
(S) o-Terphenyl	*62.6*			*31.0-160*		*06/26/2020 10:11*	WG1497084

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3543540-1 06/24/20 23:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1231128-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-22 06/24/20 23:15 • (DUP) R3543540-3 06/24/20 23:15

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1220	1210	1	0.659		5

L1231153-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1231153-04 06/24/20 23:15 • (DUP) R3543540-4 06/24/20 23:15

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2700	2780	1	2.93		5

Laboratory Control Sample (LCS)

(LCS) R3543540-2 06/24/20 23:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8900	101	85.0-115	

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3543550-1 06/25/20 00:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1231153-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1231153-06 06/25/20 00:47 • (DUP) R3543550-3 06/25/20 00:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1270	1250	1	1.58		5

L1231207-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1231207-03 06/25/20 00:47 • (DUP) R3543550-4 06/25/20 00:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	6070	6120	1	0.820		5

Laboratory Control Sample (LCS)

(LCS) R3543550-2 06/25/20 00:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8850	101	85.0-115	

Method Blank (MB)

(MB) R3544839-1 06/30/20 18:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1231128-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-27 06/30/20 18:11 • (DUP) R3544839-3 06/30/20 18:13

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	10	0.000		20

Sample Narrative:

OS: diluted due to sulfide hit

L1231128-35 Original Sample (OS) • Duplicate (DUP)

(OS) L1231128-35 06/30/20 18:29 • (DUP) R3544839-6 06/30/20 18:30

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3544839-2 06/30/20 18:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	4.14	104	90.0-110	

L1231128-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231128-30 06/30/20 18:20 • (MS) R3544839-4 06/30/20 18:21 • (MSD) R3544839-5 06/30/20 18:23

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.386	2.85	2.89	98.6	100	1	90.0-110			1.39	20

L1231153-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1231153-01 06/30/20 18:36 • (MS) R3544839-7 06/30/20 18:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	U	2.48	99.2	1	90.0-110	

Method Blank (MB)

(MB) R3544487-1 06/29/20 21:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1231158-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1231158-08 06/29/20 22:38 • (DUP) R3544487-6 06/29/20 22:39

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	3.88	3.87	1	0.258		20

L1231153-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1231153-09 06/29/20 23:05 • (DUP) R3544487-7 06/29/20 23:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3544487-2 06/29/20 21:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	3.82	95.5	90.0-110	

L1231155-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231155-08 06/29/20 21:26 • (MS) R3544487-3 06/29/20 21:27 • (MSD) R3544487-4 06/29/20 21:29

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	1.78	4.21	4.32	97.2	102	1	90.0-110			2.58	20

L1231155-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1231155-12 06/29/20 21:34 • (MS) R3544487-5 06/29/20 21:39

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	0.0922	2.55	98.3	1	90.0-110	

Method Blank (MB)

(MB) R3543733-1 06/27/20 15:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1231161-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1231161-02 06/27/20 16:04 • (DUP) R3543733-5 06/27/20 16:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1231161-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1231161-10 06/27/20 16:17 • (DUP) R3543733-8 06/27/20 16:19

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3543733-2 06/27/20 15:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.102	102	90.0-110	

L1231161-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231161-01 06/27/20 16:01 • (MS) R3543733-3 06/27/20 16:02 • (MSD) R3543733-4 06/27/20 16:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.0112	0.0856	0.0979	74.4	86.7	1	75.0-125	J6		13.4	20

L1231161-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231161-06 06/27/20 16:09 • (MS) R3543733-6 06/27/20 16:12 • (MSD) R3543733-7 06/27/20 16:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.0846	0.191	0.193	106	108	1	75.0-125			1.04	20

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Method Blank (MB)

(MB) R3543725-1 06/26/20 15:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1231153-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1231153-09 06/26/20 23:15 • (DUP) R3543725-5 06/26/20 23:33

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

L1231330-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1231330-01 06/27/20 05:31 • (DUP) R3543725-6 06/27/20 06:25

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	19.9	20.0	1	0.457		15
Fluoride	0.770	0.774	1	0.517		15
Sulfate	46.7	46.6	1	0.0591		15

Laboratory Control Sample (LCS)

(LCS) R3543725-2 06/26/20 15:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.5	98.7	80.0-120	
Fluoride	8.00	7.93	99.1	80.0-120	
Sulfate	40.0	40.8	102	80.0-120	

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L1231153-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231153-08 06/26/20 21:27 • (MS) R3543725-3 06/26/20 21:45 • (MSD) R3543725-4 06/26/20 22:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	5.00	1.61	6.38	6.35	95.3	94.8	1	80.0-120			0.426	15

L1231330-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1231330-02 06/27/20 06:43 • (MS) R3543725-7 06/27/20 07:01

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	23.3	74.5	102	1	80.0-120	
Fluoride	5.00	0.745	5.82	101	1	80.0-120	
Sulfate	50.0	56.2	106	99.1	1	80.0-120	E

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Method Blank (MB)

(MB) R3542120-1 06/23/20 21:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3542120-2 06/23/20 21:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00265	88.3	80.0-120	

L1231128-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231128-19 06/23/20 21:41 • (MS) R3542120-3 06/23/20 21:43 • (MSD) R3542120-4 06/23/20 21:45

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00234	0.00216	78.0	72.0	1	75.0-125		J6	8.00	20

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Method Blank (MB)

(MB) R3542432-1 06/24/20 10:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3542432-2 06/24/20 11:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00292	97.3	80.0-120	

L1231593-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231593-03 06/24/20 11:53 • (MS) R3542432-3 06/24/20 11:55 • (MSD) R3542432-4 06/24/20 11:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00295	0.00295	98.3	98.3	1	75.0-125			0.000	20

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3543383-1 06/26/20 07:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3543383-2 06/26/20 07:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.990	99.0	80.0-120	

L1231158-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231158-17 06/26/20 07:57 • (MS) R3543383-4 06/26/20 08:03 • (MSD) R3543383-5 06/26/20 08:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.163	1.14	1.17	97.5	101	1	75.0-125			3.09	20

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

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Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3543152-5 06/25/20 23:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3543152-1 06/25/20 16:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	1.02	102	80.0-120	

L1231139-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231139-02 06/25/20 16:51 • (MS) R3543152-3 06/25/20 16:56 • (MSD) R3543152-4 06/25/20 16:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.209	1.24	1.22	103	101	1	75.0-125			1.40	20

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

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3543505-1 06/26/20 13:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Cadmium,Dissolved	U		0.000478	0.00100
Chromium,Dissolved	U		0.00149	0.00200
Cobalt,Dissolved	U		0.000477	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Nickel,Dissolved	U		0.000952	0.00200
Selenium,Dissolved	U		0.000657	0.00200
Uranium,Dissolved	U		0.00754	0.0200
Vanadium,Dissolved	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3543505-2 06/26/20 13:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0516	103	80.0-120	
Barium,Dissolved	0.0500	0.0478	95.7	80.0-120	
Cadmium,Dissolved	0.0500	0.0536	107	80.0-120	
Chromium,Dissolved	0.0500	0.0536	107	80.0-120	
Cobalt,Dissolved	0.0500	0.0532	106	80.0-120	
Iron,Dissolved	5.00	5.55	111	80.0-120	
Lead,Dissolved	0.0500	0.0502	100	80.0-120	
Manganese,Dissolved	0.0500	0.0514	103	80.0-120	
Nickel,Dissolved	0.0500	0.0541	108	80.0-120	
Selenium,Dissolved	0.0500	0.0519	104	80.0-120	
Uranium,Dissolved	0.0500	0.0508	102	80.0-120	
Vanadium,Dissolved	0.0500	0.0518	104	80.0-120	

L1231128-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231128-20 06/26/20 13:58 • (MS) R3543505-4 06/26/20 14:05 • (MSD) R3543505-5 06/26/20 14:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0357	0.0845	0.0872	97.6	103	1	75.0-125			3.16	20
Barium,Dissolved	0.0500	0.0178	0.0673	0.0681	98.9	101	1	75.0-125			1.22	20
Cadmium,Dissolved	0.0500	U	0.0529	0.0550	106	110	1	75.0-125			3.93	20

L1231128-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231128-20 06/26/20 13:58 • (MS) R3543505-4 06/26/20 14:05 • (MSD) R3543505-5 06/26/20 14:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	U	0.0504	0.0521	101	104	1	75.0-125			3.45	20
Cobalt,Dissolved	0.0500	0.00189	0.0515	0.0527	99.3	102	1	75.0-125			2.28	20
Iron,Dissolved	5.00	0.0695	5.07	5.18	100	102	1	75.0-125			2.29	20
Lead,Dissolved	0.0500	U	0.0489	0.0511	97.9	102	1	75.0-125			4.30	20
Manganese,Dissolved	0.0500	0.364	0.415	0.418	103	109	1	75.0-125			0.738	20
Nickel,Dissolved	0.0500	0.00343	0.0528	0.0547	98.7	103	1	75.0-125			3.52	20
Selenium,Dissolved	0.0500	U	0.0527	0.0537	105	107	1	75.0-125			1.86	20
Uranium,Dissolved	0.0500	U	0.0544	0.0561	109	112	1	75.0-125			3.08	20
Vanadium,Dissolved	0.0500	U	0.0513	0.0530	103	106	1	75.0-125			3.27	20

Method Blank (MB)

(MB) R3543558-1 06/26/20 16:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Cadmium,Dissolved	U		0.000478	0.00100
Chromium,Dissolved	U		0.00149	0.00200
Cobalt,Dissolved	U		0.000477	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Nickel,Dissolved	U		0.000952	0.00200
Selenium,Dissolved	U		0.000657	0.00200
Uranium,Dissolved	U		0.00754	0.0200
Vanadium,Dissolved	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3543558-2 06/26/20 16:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0485	97.1	80.0-120	
Barium,Dissolved	0.0500	0.0501	100	80.0-120	
Cadmium,Dissolved	0.0500	0.0536	107	80.0-120	
Chromium,Dissolved	0.0500	0.0507	101	80.0-120	
Cobalt,Dissolved	0.0500	0.0512	102	80.0-120	
Iron,Dissolved	5.00	5.20	104	80.0-120	
Lead,Dissolved	0.0500	0.0496	99.2	80.0-120	
Manganese,Dissolved	0.0500	0.0496	99.2	80.0-120	
Nickel,Dissolved	0.0500	0.0511	102	80.0-120	
Selenium,Dissolved	0.0500	0.0541	108	80.0-120	
Uranium,Dissolved	0.0500	0.0504	101	80.0-120	
Vanadium,Dissolved	0.0500	0.0499	99.9	80.0-120	

L1231153-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231153-04 06/26/20 16:08 • (MS) R3543558-4 06/26/20 16:15 • (MSD) R3543558-5 06/26/20 16:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0273	0.0779	0.0797	101	105	1	75.0-125			2.26	20
Barium,Dissolved	0.0500	0.0214	0.0727	0.0728	103	103	1	75.0-125			0.205	20
Cadmium,Dissolved	0.0500	U	0.0551	0.0559	110	112	1	75.0-125			1.46	20

L1231153-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231153-04 06/26/20 16:08 • (MS) R3543558-4 06/26/20 16:15 • (MSD) R3543558-5 06/26/20 16:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	U	0.0510	0.0528	102	106	1	75.0-125			3.52	20
Cobalt,Dissolved	0.0500	0.00143	0.0518	0.0534	101	104	1	75.0-125			3.09	20
Iron,Dissolved	5.00	0.787	5.93	6.04	103	105	1	75.0-125			1.95	20
Lead,Dissolved	0.0500	U	0.0503	0.0520	101	104	1	75.0-125			3.39	20
Manganese,Dissolved	0.0500	0.905	0.912	0.936	13.6	61.4	1	75.0-125	V	V	2.59	20
Nickel,Dissolved	0.0500	0.00318	0.0537	0.0545	101	103	1	75.0-125			1.42	20
Selenium,Dissolved	0.0500	U	0.0537	0.0527	107	105	1	75.0-125			1.98	20
Uranium,Dissolved	0.0500	U	0.0545	0.0565	109	113	1	75.0-125			3.55	20
Vanadium,Dissolved	0.0500	U	0.0513	0.0529	103	106	1	75.0-125			3.14	20

Method Blank (MB)

(MB) R3544019-1 06/28/20 22:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3544019-2 06/28/20 22:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0489	97.7	80.0-120	
Barium	0.0500	0.0516	103	80.0-120	
Cadmium	0.0500	0.0512	102	80.0-120	
Calcium	5.00	5.01	100	80.0-120	
Chromium	0.0500	0.0509	102	80.0-120	
Cobalt	0.0500	0.0513	103	80.0-120	
Iron	5.00	5.11	102	80.0-120	
Lead	0.0500	0.0497	99.4	80.0-120	
Manganese	0.0500	0.0507	101	80.0-120	
Nickel	0.0500	0.0510	102	80.0-120	
Potassium	5.00	4.95	99.1	80.0-120	
Selenium	0.0500	0.0490	98.1	80.0-120	
Sodium	5.00	5.12	102	80.0-120	
Uranium	0.0500	0.0507	101	80.0-120	
Vanadium	0.0500	0.0497	99.3	80.0-120	

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L1231128-27 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231128-27 06/28/20 22:28 • (MS) R3544019-4 06/28/20 22:35 • (MSD) R3544019-5 06/28/20 22:39

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00595	0.0535	0.0546	95.1	97.3	1	75.0-125			2.10	20
Barium	0.0500	9.81	9.92	9.87	225	106	1	75.0-125	V		0.599	20
Cadmium	0.0500	U	0.0520	0.0514	104	103	1	75.0-125			1.26	20
Calcium	5.00	96.4	99.5	99.6	62.8	64.4	1	75.0-125	V	V	0.0820	20
Chromium	0.0500	U	0.0479	0.0485	95.8	97.1	1	75.0-125			1.31	20
Cobalt	0.0500	U	0.0477	0.0488	95.3	97.6	1	75.0-125			2.33	20
Potassium	5.00	1.10	5.77	5.98	93.3	97.6	1	75.0-125			3.64	20
Iron	5.00	0.0693	4.91	4.93	96.9	97.2	1	75.0-125			0.325	20
Lead	0.0500	0.00484	0.0575	0.0572	105	105	1	75.0-125			0.600	20
Manganese	0.0500	0.0692	0.113	0.115	88.2	92.2	1	75.0-125			1.74	20
Nickel	0.0500	U	0.0480	0.0493	96.1	98.6	1	75.0-125			2.62	20
Selenium	0.0500	U	0.0518	0.0491	104	98.1	1	75.0-125			5.50	20
Sodium	5.00	426	411	420	0.000	0.000	1	75.0-125	V	V	2.29	20
Uranium	0.0500	U	0.0543	0.0541	109	108	1	75.0-125			0.294	20
Vanadium	0.0500	U	0.0484	0.0500	96.7	100	1	75.0-125			3.37	20

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Method Blank (MB)

(MB) R3543687-2 06/23/20 15:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	0.000150	J	0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	0.00516	J	0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	0.00158	J	0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Method Blank (MB)

(MB) R3543687-2 06/23/20 15:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*106*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3543687-1 06/23/20 12:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0333	133	19.0-160	
Benzene	0.00500	0.00472	94.4	70.0-123	
Bromodichloromethane	0.00500	0.00452	90.4	75.0-120	
Bromoform	0.00500	0.00494	98.8	68.0-132	
Bromomethane	0.00500	0.00548	110	10.0-160	
n-Butylbenzene	0.00500	0.00433	86.6	73.0-125	
sec-Butylbenzene	0.00500	0.00419	83.8	75.0-125	
Carbon disulfide	0.00500	0.00435	87.0	61.0-128	
Carbon tetrachloride	0.00500	0.00384	76.8	68.0-126	
Chlorobenzene	0.00500	0.00477	95.4	80.0-121	
Chlorodibromomethane	0.00500	0.00475	95.0	77.0-125	
Chloroethane	0.00500	0.00452	90.4	47.0-150	
Chloroform	0.00500	0.00486	97.2	73.0-120	
Chloromethane	0.00500	0.00459	91.8	41.0-142	
1,2-Dibromoethane	0.00500	0.00459	91.8	80.0-122	
1,1-Dichloroethane	0.00500	0.00422	84.4	70.0-126	
1,2-Dichloroethane	0.00500	0.00490	98.0	70.0-128	
1,1-Dichloroethene	0.00500	0.00463	92.6	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00457	91.4	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00481	96.2	73.0-120	
1,2-Dichloropropane	0.00500	0.00424	84.8	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00454	90.8	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00451	90.2	78.0-124	

Received by OCD: 11/22/2022 9:46:04 AM

Laboratory Control Sample (LCS)

(LCS) R3543687-1 06/23/20 12:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00465	93.0	79.0-123	
2-Hexanone	0.0250	0.0245	98.0	67.0-149	
Isopropylbenzene	0.00500	0.00477	95.4	76.0-127	
p-Isopropyltoluene	0.00500	0.00423	84.6	76.0-125	
2-Butanone (MEK)	0.0250	0.0232	92.8	44.0-160	
Methylene Chloride	0.00500	0.00436	87.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0231	92.4	68.0-142	
Methyl tert-butyl ether	0.00500	0.00499	99.8	68.0-125	
Naphthalene	0.00500	0.00686	137	54.0-135	J4
n-Propylbenzene	0.00500	0.00423	84.6	77.0-124	
Styrene	0.00500	0.00446	89.2	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00456	91.2	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00432	86.4	65.0-130	
Tetrachloroethene	0.00500	0.00441	88.2	72.0-132	
Toluene	0.00500	0.00464	92.8	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00488	97.6	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00431	86.2	80.0-120	
Trichloroethene	0.00500	0.00463	92.6	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00418	83.6	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00463	92.6	76.0-122	
Vinyl chloride	0.00500	0.00442	88.4	67.0-131	
Xylenes, Total	0.0150	0.0139	92.7	79.0-123	
o-Xylene	0.00500	0.00485	97.0	80.0-122	
m&p-Xylenes	0.0100	0.00903	90.3	80.0-122	
(S) Toluene-d8			*107*	*80.0-120*	
(S) 4-Bromofluorobenzene			*106*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*105*	*70.0-130*	

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3543272-1 06/25/20 23:37

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*52.5*			*31.0-160*

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

(LCS) R3543272-2 06/25/20 23:57 • (LCSD) R3543272-3 06/26/20 00:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.33	1.34	88.7	89.3	50.0-150			0.749	20
(S) o-Terphenyl				*93.5*	*93.5*	*31.0-160*				

Method Blank (MB)

(MB) R3543222-1 06/26/20 01:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*72.5*			*31.0-160*

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

(LCS) R3543222-2 06/26/20 02:24 • (LCSD) R3543222-3 06/26/20 02:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.36	1.41	90.7	94.0	50.0-150			3.61	20
(S) o-Terphenyl				*91.5*	*95.0*	*31.0-160*				

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.
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.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* 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 National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
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	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

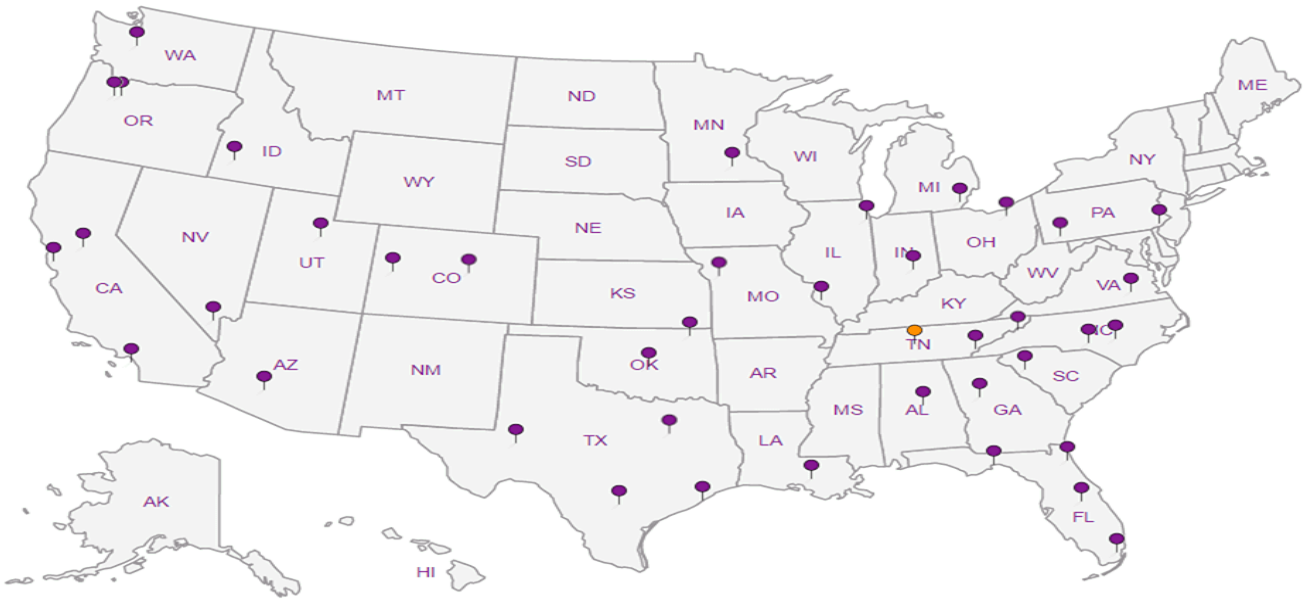
Third Party Federal Accreditations

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
TRC Solutions - Austin, TX	330538.0000.0000	L1231153	07/02/20 12:47	51 of 54

TRC Solutions - Austin, TX **505 E. Huntland Dr, Ste 250** **Austin, TX 78752**	Billing Information: **Accounts Payable** **21 Griffin Road North** **Windsor, CT 06095** **apinvoiceapproval@trcsolutions.com**
Report to: **Julie Speer**	Email To: **jspeer@trccompanies.com**
Project Description: **NCL Spring 2020**	City/State Collected: **Artesia, NM**
Phone: **512-684-3170** Fax:	Client Project # **330538.0000.0000**
Lab Project # **TRCATX-NCL**	
Collected by (print): **Scott Ude/HMI Team**	Site/Facility ID # **NCL (Navajo - Artesia)**
P.O. # **150726**	
Collected by (signature): Scott Ude	*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 ✓	

Analysis / Container / Preservative — Pres Chk — NCV

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
~~MW-56~~	Grab	GW				8	X	X		X	X	X						
MW-45	Grab	GW		6/17/20	1520	9	X	X			X	X	X	X				01
NCL-34A	Grab	GW		6/17/20	1310	8	X	X		X	X	X						02
NCL-33	Grab	GW		6/17/20	1355	8	X	X		X	X	X						03
NCL-44	Grab	GW		6/17/20	1135	8	X	X		X	X	X						04
NCL-32	Grab	GW		6/17/20	1050	8	X	X		X	X	X						05
MW-108	Grab	GW		6/17/20	925	8	X	X		X	X	X						06
NCL-31	Grab	GW		6/17/20	1005	8	X	X		X	X	X						07
~~MW-55~~	Grab	GW				11	X	X	X		X	X	X	X				
MW-18	Grab	GW		6/17/20	1440	9	X	X			X	X	X	X				08

Chain of Custody Page 1 of 2

Pace Analytical* National Center for Testing & Innovation

12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859

L# 123153 J123

Tat

Acctnum: TRCATX

Template: T133457

Prelogin: P763441

TSR: 526

PB:

Shipped Via:

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

Remarks: Dissolved metals field-filtered.

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

Relinquished by : (Signature) Scott Ude	Date: 6/17/20	Time: 1700	Received by: (Signature)	Trip Blank Received: Yes (No) HCL / MeOH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.5 / 4.1 °C Bottles Received: 74	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/19/20 Time: 845	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **NCL Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-NCL**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **NCL (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
~~MW-54A~~	Grab	GW				8	X	X		X	X	X						
~~NCL-49~~	Grab	GW				8	X	X		X	X	X						
~~MW-53~~	Grab	GW				8	X	X		X	X	X		missing due to construction				
~~DUP-NCL-01~~	Grab	GW				8	X	X		X	X	X						
EB-NCL-01	Grab	GW		6/17/20	1100	8	X	X		X	X	X						09
~~TRIP BLANK-NCL-01~~	Grab	GW				1	X											

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123153

Table #

Acctnum: TRCATX
Template: T133457
Prelogin: P763441
TSR: 526
PB:

Shipped Via:

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	6/17/20	1700		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.7 °C Bottles Received: 14
				5.1-E.4
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/19/20 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Released to Imaging: 11/22/2022 9:50:00 AM
Received by OCD: 11/22/2022 9:46:04 AM

Fed Ex Tracking #:	Corresponding temp	
1663 5756 9467	4.1 - 0.1 = 4.0	HM A7
1676 2755 8222	0.9 - .1 = 0.8	
1663 5756 9732	0.4 - .1 = 0.3	
9489	1.3 + .1 = 1.4	MP A3
1676 2755 8233	0.5 - .1 = 0.4	HM A7
1663 5756 9835	1.1 + .1 = 1.2	MP A3
9412	1.9 - .1 = 1.8	HM A7
9490	1.1 - .1 = 1.0	
1676 2755 8211	1.2 - .1 = 1.1	
1203 5785 6051	1.5 - .1 = 1.4	
1663 5756 1054	1.5 - .1 = 1.4	
1087	1.7 - .1 = 1.6	
1043	0.8 - .1 = 0.7	
1065	0.3 - .1 = 0.2	
1076	1.0 - .1 = 0.9	
9478	3.7 - .1 = 3.6	
9721	0.3 - .1 = 0.2	
9798	1.2 - .1 = 1.1	
4492 6230 1294	1.5 - .1 = 1.4	
1203 5785 6040	1.1 - .1 = 1.0	
1663 5756 9423	1.5 - .1 = 1.4	
No Tracking #	1.6 - .1 = 1.5	KI A7

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Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

June 30, 2020

TRC Solutions - Austin, TX

Sample Delivery Group:	L1231155
Samples Received:	06/19/2020
Project Number:	330538.0000.0000
Description:	TMD Spring 2020
Site:	TMD - NAVAJO-ARTESIA
Report To:	Julie Speer
	505 E. Huntland Dr, Ste 250
	Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

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



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Released to Imaging: 11/22/2022 9:50:00 AM

MW-25 L1231155-01 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 09:10
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499268	1	06/29/20 21:14	06/29/20 21:14	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/25/20 22:48	06/25/20 22:48	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	20	06/25/20 23:22	06/25/20 23:22	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 17:05	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 15:09	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 19:15	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 20:45	06/23/20 20:45	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/26/20 09:45	JDG	Mt. Juliet, TN

MW-20 L1231155-02 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 12:35
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499268	1	06/29/20 21:15	06/29/20 21:15	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/25/20 23:55	06/25/20 23:55	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 00:52	06/26/20 00:52	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 17:08	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 15:13	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 19:18	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 21:04	06/23/20 21:04	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/27/20 03:33	KME	Mt. Juliet, TN

NP-1 L1231155-03 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 09:40
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499268	1	06/29/20 21:16	06/29/20 21:16	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 01:43	06/26/20 01:43	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 02:00	06/26/20 02:00	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 15:16	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 21:23	06/23/20 21:23	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1500250	5	06/28/20 06:29	06/28/20 06:29	DWR	Mt. Juliet, TN

MW-8 L1231155-04 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 11:30
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499268	5	06/29/20 21:17	06/29/20 21:17	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 02:17	06/26/20 02:17	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 02:34	06/26/20 02:34	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 17:12	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 15:20	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 20:45	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499248	1	06/25/20 22:48	06/25/20 22:48	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 21:42	06/23/20 21:42	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1500250	5	06/28/20 08:13	06/28/20 08:13	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/26/20 06:18	JDG	Mt. Juliet, TN

MW-21 L1231155-05 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 10:35
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499268	5	06/29/20 21:22	06/29/20 21:22	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 02:51	06/26/20 02:51	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 03:08	06/26/20 03:08	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 17:15	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 15:24	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 20:49	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499248	1	06/25/20 23:10	06/25/20 23:10	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 22:00	06/23/20 22:00	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1500250	5	06/28/20 08:34	06/28/20 08:34	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/26/20 06:44	JDG	Mt. Juliet, TN

MW-71 L1231155-06 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 14:15
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499268	10	06/29/20 22:33	06/29/20 22:33	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1499866	1	06/27/20 14:03	06/27/20 16:00	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 03:24	06/26/20 03:24	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 03:41	06/26/20 03:41	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1496611	1	06/22/20 19:00	06/23/20 15:28	TCT	Mt. Juliet, TN
Mercury by Method 7470A	WG1496616	1	06/23/20 20:00	06/24/20 12:12	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498719	1	06/25/20 23:45	06/26/20 08:40	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498739	1	06/25/20 12:13	06/25/20 17:40	EL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 17:19	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 20:52	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 22:19	06/23/20 22:19	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1500250	1	06/28/20 08:55	06/28/20 08:55	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/26/20 07:10	JDG	Mt. Juliet, TN

MW-68 L1231155-07 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 09:40
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499268	1	06/29/20 22:34	06/29/20 22:34	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 03:58	06/26/20 03:58	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 04:15	06/26/20 04:15	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 17:34	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 20:56	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 22:38	06/23/20 22:38	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/26/20 07:36	JDG	Mt. Juliet, TN

MW-27 L1231155-08 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 13:25
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499268	1	06/29/20 21:26	06/29/20 21:26	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 05:06	06/26/20 05:06	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	20	06/26/20 05:23	06/26/20 05:23	ELN	Mt. Juliet, TN

MW-27 L1231155-08 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 13:25 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 17:37	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 21:00	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 22:57	06/23/20 22:57	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/26/20 08:02	JDG	Mt. Juliet, TN

MW-89 L1231155-09 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 10:40 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499268	1	06/29/20 21:30	06/29/20 21:30	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 05:40	06/26/20 05:40	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 05:57	06/26/20 05:57	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 17:41	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 21:03	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 23:16	06/23/20 23:16	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/27/20 01:50	KME	Mt. Juliet, TN

MW-16 L1231155-10 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 11:35 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499268	1	06/29/20 21:31	06/29/20 21:31	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 06:14	06/26/20 06:14	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 06:30	06/26/20 06:30	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 17:44	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 21:07	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 23:35	06/23/20 23:35	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/27/20 02:16	KME	Mt. Juliet, TN

MW-26 L1231155-11 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 12:30 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499268	1	06/29/20 21:32	06/29/20 21:32	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 06:47	06/26/20 06:47	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 07:04	06/26/20 07:04	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 17:48	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 21:11	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497262	1	06/23/20 23:54	06/23/20 23:54	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/27/20 02:41	KME	Mt. Juliet, TN

MW-46R L1231155-12 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 13:45 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499268	1	06/29/20 21:34	06/29/20 21:34	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 07:21	06/26/20 07:21	ELN	Mt. Juliet, TN

MW-46R L1231155-12 GW

			Collected by	Collected date/time	Received date/time
			Scott Ude / HMI Team	06/17/20 13:45	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 07:38	06/26/20 07:38	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498727	1	06/25/20 19:59	06/26/20 17:51	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498751	1	06/26/20 10:11	06/26/20 21:14	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497267	1	06/23/20 02:32	06/23/20 02:32	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	1	06/23/20 15:44	06/27/20 03:07	KME	Mt. Juliet, TN

TRIP BLANK-TMD-01 L1231155-13 GW

			Collected by	Collected date/time	Received date/time
			Scott Ude / HMI Team	06/17/20 00:00	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497267	1	06/23/20 02:12	06/23/20 02:12	JHH	Mt. Juliet, TN

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

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.



Chris McCord
Project Manager

Received by OCD: 11/22/2022 9:46:04 AM

MW-23
Collected date/time: 06/17/20 09:10

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3610		28.2	100	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.143		0.0500	0.100	1	06/29/2020 21:14	WG1499268

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	976		7.58	20.0	20	06/25/2020 23:22	WG1498060
Fluoride	1.31		0.0640	0.150	1	06/25/2020 22:48	WG1498060
Sulfate	1450		11.9	100	20	06/25/2020 23:22	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00216		0.000735	0.00200	1	06/26/2020 15:09	WG1498751
Arsenic,Dissolved	0.00200	J	0.000735	0.00200	1	06/26/2020 17:05	WG1498727
Barium	0.0150	J	0.00778	0.0200	1	06/26/2020 15:09	WG1498751
Barium,Dissolved	0.0111	J	0.00778	0.0200	1	06/26/2020 17:05	WG1498727
Calcium	323		0.480	1.00	1	06/26/2020 15:09	WG1498751
Chromium	U		0.00149	0.00200	1	06/26/2020 15:09	WG1498751
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 17:05	WG1498727
Iron	U		0.0489	0.100	1	06/26/2020 15:09	WG1498751
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 17:05	WG1498727
Lead	U		0.00249	0.00500	1	06/26/2020 15:09	WG1498751
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 17:05	WG1498727
Manganese	0.906		0.00132	0.00500	1	06/26/2020 15:09	WG1498751
Manganese,Dissolved	0.183		0.00132	0.00500	1	06/26/2020 17:05	WG1498727
Potassium	3.90		0.534	2.00	1	06/26/2020 15:09	WG1498751
Selenium	0.00318		0.000657	0.00200	1	06/26/2020 19:15	WG1498751
Selenium,Dissolved	0.00208		0.000657	0.00200	1	06/26/2020 17:05	WG1498727
Sodium	653		0.630	2.00	1	06/26/2020 15:09	WG1498751

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 20:45	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 20:45	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 20:45	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 20:45	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 20:45	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 20:45	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 20:45	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 20:45	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 20:45	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 20:45	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 20:45	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 20:45	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 20:45	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 20:45	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 20:45	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 20:45	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 20:45	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 20:45	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 20:45	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 20:45	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 20:45	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 20:45	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 20:45	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 20:45	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 20:45	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 20:45	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 20:45	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 20:45	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 20:45	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 20:45	WG1497262
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 20:45	WG1497262
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 20:45	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 20:45	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 20:45	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 20:45	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 20:45	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 20:45	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 20:45	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 20:45	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 20:45	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 20:45	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 20:45	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 20:45	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 20:45	WG1497262
o-Xylene	U		0.000174	0.00100	1	06/23/2020 20:45	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 20:45	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 20:45	WG1497262
(S) Toluene-d8	*109*			*80.0-120*		*06/23/2020 20:45*	WG1497262
(S) 4-Bromofluorobenzene	*98.9*			*77.0-126*		*06/23/2020 20:45*	WG1497262
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/23/2020 20:45*	WG1497262

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/26/2020 09:45	WG1497084
(S) o-Terphenyl	*62.1*			*31.0-160*		*06/26/2020 09:45*	WG1497084

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4590		14.1	50.0	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	2.38		0.0500	0.100	1	06/29/2020 21:15	WG1499268

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	382		37.9	100	100	06/26/2020 00:52	WG1498060
Fluoride	2.26		0.0640	0.150	1	06/25/2020 23:55	WG1498060
Sulfate	2830		59.4	500	100	06/26/2020 00:52	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00549		0.000735	0.00200	1	06/26/2020 15:13	WG1498751
Arsenic,Dissolved	0.00553		0.000735	0.00200	1	06/26/2020 17:08	WG1498727
Barium	0.00996	J	0.00778	0.0200	1	06/26/2020 15:13	WG1498751
Barium,Dissolved	0.00949	J	0.00778	0.0200	1	06/26/2020 17:08	WG1498727
Calcium	522		0.480	1.00	1	06/26/2020 15:13	WG1498751
Chromium	U		0.00149	0.00200	1	06/26/2020 15:13	WG1498751
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 17:08	WG1498727
Iron	U		0.0489	0.100	1	06/26/2020 15:13	WG1498751
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 17:08	WG1498727
Lead	U		0.00249	0.00500	1	06/26/2020 15:13	WG1498751
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 17:08	WG1498727
Manganese	0.00342	J	0.00132	0.00500	1	06/26/2020 15:13	WG1498751
Manganese,Dissolved	U		0.00132	0.00500	1	06/26/2020 17:08	WG1498727
Potassium	0.601	J	0.534	2.00	1	06/26/2020 15:13	WG1498751
Selenium	0.00505		0.000657	0.00200	1	06/26/2020 19:18	WG1498751
Selenium,Dissolved	0.00424		0.000657	0.00200	1	06/26/2020 17:08	WG1498727
Sodium	284		0.630	2.00	1	06/26/2020 15:13	WG1498751

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 21:04	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 21:04	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 21:04	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 21:04	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 21:04	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 21:04	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 21:04	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 21:04	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 21:04	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 21:04	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 21:04	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 21:04	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 21:04	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 21:04	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 21:04	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 21:04	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 21:04	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 21:04	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 21:04	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 21:04	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 21:04	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 21:04	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 21:04	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 21:04	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 21:04	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 21:04	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 21:04	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 21:04	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 21:04	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 21:04	WG1497262
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 21:04	WG1497262
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 21:04	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 21:04	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 21:04	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 21:04	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 21:04	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 21:04	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 21:04	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 21:04	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 21:04	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 21:04	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 21:04	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 21:04	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 21:04	WG1497262
o-Xylene	U		0.000174	0.00100	1	06/23/2020 21:04	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 21:04	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 21:04	WG1497262
(S) Toluene-d8	*109*			*80.0-120*		*06/23/2020 21:04*	WG1497262
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/23/2020 21:04*	WG1497262
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/23/2020 21:04*	WG1497262

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/27/2020 03:33	WG1497084
(S) o-Terphenyl	*65.8*			*31.0-160*		*06/27/2020 03:33*	WG1497084

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	4060		14.1	50.0	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	3.27		0.0500	0.100	1	06/29/2020 21:16	WG1499268

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	409		37.9	100	100	06/26/2020 02:00	WG1498060
Fluoride	1.89		0.0640	0.150	1	06/26/2020 01:43	WG1498060
Sulfate	2260		59.4	500	100	06/26/2020 02:00	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Calcium	436		0.480	1.00	1	06/26/2020 15:16	WG1498751
Potassium	2.59		0.534	2.00	1	06/26/2020 15:16	WG1498751
Sodium	311		0.630	2.00	1	06/26/2020 15:16	WG1498751

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/23/2020 21:23	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 21:23	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 21:23	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 21:23	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 21:23	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 21:23	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 21:23	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 21:23	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 21:23	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 21:23	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 21:23	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 21:23	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 21:23	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 21:23	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 21:23	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 21:23	WG1497262
1,2-Dichloroethane	0.000187	J	0.0000819	0.00100	1	06/23/2020 21:23	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 21:23	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 21:23	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 21:23	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 21:23	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 21:23	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 21:23	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 21:23	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 21:23	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 21:23	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 21:23	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 21:23	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 21:23	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 21:23	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.216		0.000505	0.00500	5	06/28/2020 06:29	WG1500250
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 21:23	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 21:23	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 21:23	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 21:23	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 21:23	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 21:23	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 21:23	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 21:23	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 21:23	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 21:23	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 21:23	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 21:23	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 21:23	WG1497262
o-Xylene	U		0.000174	0.00100	1	06/23/2020 21:23	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 21:23	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 21:23	WG1497262
(S) Toluene-d8	*110*			*80.0-120*		*06/23/2020 21:23*	WG1497262
(S) Toluene-d8	*113*			*80.0-120*		*06/28/2020 06:29*	WG1500250
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*06/23/2020 21:23*	WG1497262
(S) 4-Bromofluorobenzene	*92.9*			*77.0-126*		*06/28/2020 06:29*	WG1500250
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/23/2020 21:23*	WG1497262
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*		*06/28/2020 06:29*	WG1500250

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5260		28.2	100	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	16.0		0.250	0.500	5	06/29/2020 21:17	WG1499268

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	599		37.9	100	100	06/26/2020 02:34	WG1498060
Fluoride	2.04		0.0640	0.150	1	06/26/2020 02:17	WG1498060
Sulfate	3060		59.4	500	100	06/26/2020 02:34	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00709		0.000735	0.00200	1	06/26/2020 15:20	WG1498751
Arsenic,Dissolved	0.00646		0.000735	0.00200	1	06/26/2020 17:12	WG1498727
Barium	0.0155	J	0.00778	0.0200	1	06/26/2020 15:20	WG1498751
Barium,Dissolved	0.0155	J	0.00778	0.0200	1	06/26/2020 17:12	WG1498727
Calcium	534		0.480	1.00	1	06/26/2020 15:20	WG1498751
Chromium	0.00547	B	0.00149	0.00200	1	06/26/2020 15:20	WG1498751
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 17:12	WG1498727
Iron	U		0.0489	0.100	1	06/26/2020 15:20	WG1498751
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 17:12	WG1498727
Lead	U		0.00249	0.00500	1	06/26/2020 15:20	WG1498751
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 17:12	WG1498727
Manganese	0.808		0.00132	0.00500	1	06/26/2020 15:20	WG1498751
Manganese,Dissolved	0.730		0.00132	0.00500	1	06/26/2020 17:12	WG1498727
Potassium	1.98	J	0.534	2.00	1	06/26/2020 15:20	WG1498751
Selenium	0.0626		0.000657	0.00200	1	06/26/2020 20:45	WG1498751
Selenium,Dissolved	0.0566		0.000657	0.00200	1	06/26/2020 17:12	WG1498727
Sodium	393		0.630	2.00	1	06/26/2020 15:20	WG1498751

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.300		0.0314	0.100	1	06/25/2020 22:48	WG1499248
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*06/25/2020 22:48*	WG1499248

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 21:42	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 21:42	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 21:42	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 21:42	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 21:42	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 21:42	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 21:42	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 21:42	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 21:42	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 21:42	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 21:42	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 21:42	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 21:42	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 21:42	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 21:42	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 21:42	WG1497262
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 21:42	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 21:42	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 21:42	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 21:42	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 21:42	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 21:42	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 21:42	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 21:42	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 21:42	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 21:42	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 21:42	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 21:42	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 21:42	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 21:42	WG1497262
Methyl tert-butyl ether	0.149		0.000505	0.00500	5	06/28/2020 08:13	WG1500250
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 21:42	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 21:42	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 21:42	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 21:42	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 21:42	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 21:42	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 21:42	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 21:42	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 21:42	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 21:42	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 21:42	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 21:42	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 21:42	WG1497262
o-Xylene	U		0.000174	0.00100	1	06/23/2020 21:42	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 21:42	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 21:42	WG1497262
(S) Toluene-d8	*110*			*80.0-120*		*06/23/2020 21:42*	WG1497262
(S) Toluene-d8	*113*			*80.0-120*		*06/28/2020 08:13*	WG1500250
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/23/2020 21:42*	WG1497262
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*		*06/28/2020 08:13*	WG1500250
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/23/2020 21:42*	WG1497262
(S) 1,2-Dichloroethane-d4	*92.7*			*70.0-130*		*06/28/2020 08:13*	WG1500250

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0458	J	0.0247	0.100	1	06/26/2020 06:18	WG1497084
(S) o-Terphenyl	*64.7*			*31.0-160*		*06/26/2020 06:18*	WG1497084

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5480		28.2	100	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	18.6		0.250	0.500	5	06/29/2020 21:22	WG1499268

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	641		37.9	100	100	06/26/2020 03:08	WG1498060
Fluoride	2.02		0.0640	0.150	1	06/26/2020 02:51	WG1498060
Sulfate	3130		59.4	500	100	06/26/2020 03:08	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00561		0.000735	0.00200	1	06/26/2020 15:24	WG1498751
Arsenic,Dissolved	0.00539		0.000735	0.00200	1	06/26/2020 17:15	WG1498727
Barium	0.00916	J	0.00778	0.0200	1	06/26/2020 15:24	WG1498751
Barium,Dissolved	0.00862	J	0.00778	0.0200	1	06/26/2020 17:15	WG1498727
Calcium	586		0.480	1.00	1	06/26/2020 15:24	WG1498751
Chromium	U		0.00149	0.00200	1	06/26/2020 15:24	WG1498751
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 17:15	WG1498727
Iron	U		0.0489	0.100	1	06/26/2020 15:24	WG1498751
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 17:15	WG1498727
Lead	U		0.00249	0.00500	1	06/26/2020 15:24	WG1498751
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 17:15	WG1498727
Manganese	0.353		0.00132	0.00500	1	06/26/2020 15:24	WG1498751
Manganese,Dissolved	0.245		0.00132	0.00500	1	06/26/2020 17:15	WG1498727
Potassium	2.17		0.534	2.00	1	06/26/2020 15:24	WG1498751
Selenium	0.0521		0.000657	0.00200	1	06/26/2020 20:49	WG1498751
Selenium,Dissolved	0.0497		0.000657	0.00200	1	06/26/2020 17:15	WG1498727
Sodium	440		0.630	2.00	1	06/26/2020 15:24	WG1498751

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.284		0.0314	0.100	1	06/25/2020 23:10	WG1499248
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*06/25/2020 23:10*	WG1499248

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 22:00	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 22:00	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 22:00	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 22:00	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 22:00	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 22:00	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 22:00	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 22:00	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 22:00	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 22:00	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 22:00	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 22:00	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 22:00	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 22:00	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 22:00	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 22:00	WG1497262
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 22:00	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 22:00	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 22:00	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 22:00	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 22:00	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 22:00	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 22:00	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 22:00	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 22:00	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 22:00	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 22:00	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 22:00	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 22:00	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 22:00	WG1497262
Methyl tert-butyl ether	0.128		0.000505	0.00500	5	06/28/2020 08:34	WG1500250
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 22:00	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 22:00	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 22:00	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 22:00	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 22:00	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 22:00	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 22:00	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 22:00	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 22:00	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 22:00	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 22:00	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 22:00	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 22:00	WG1497262
o-Xylene	U		0.000174	0.00100	1	06/23/2020 22:00	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 22:00	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 22:00	WG1497262
(S) Toluene-d8	*110*			*80.0-120*		*06/23/2020 22:00*	WG1497262
(S) Toluene-d8	*114*			*80.0-120*		*06/28/2020 08:34*	WG1500250
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*06/23/2020 22:00*	WG1497262
(S) 4-Bromofluorobenzene	*95.3*			*77.0-126*		*06/28/2020 08:34*	WG1500250
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/23/2020 22:00*	WG1497262
(S) 1,2-Dichloroethane-d4	*94.8*			*70.0-130*		*06/28/2020 08:34*	WG1500250

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.149		0.0247	0.100	1	06/26/2020 06:44	WG1497084
(S) o-Terphenyl	*63.7*			*31.0-160*		*06/26/2020 06:44*	WG1497084

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	6020		28.2	100	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	27.8		0.500	1.00	10	06/29/2020 22:33	WG1499268

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	06/27/2020 16:00	WG1499866

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	770		37.9	100	100	06/26/2020 03:41	WG1498060
Fluoride	1.89		0.0640	0.150	1	06/26/2020 03:24	WG1498060
Sulfate	3130		59.4	500	100	06/26/2020 03:41	WG1498060

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	06/23/2020 15:28	WG1496611
Mercury,Dissolved	U		0.000100	0.000200	1	06/24/2020 12:12	WG1496616

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.622		0.0254	0.200	1	06/25/2020 17:40	WG1498739
Boron,Dissolved	0.620		0.0254	0.200	1	06/26/2020 08:40	WG1498719

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00391		0.000735	0.00200	1	06/26/2020 20:52	WG1498751
Arsenic,Dissolved	0.00372		0.000735	0.00200	1	06/26/2020 17:19	WG1498727
Barium	0.00943	J	0.00778	0.0200	1	06/26/2020 20:52	WG1498751
Barium,Dissolved	0.00839	J	0.00778	0.0200	1	06/26/2020 17:19	WG1498727
Cadmium	U		0.000478	0.00100	1	06/26/2020 20:52	WG1498751
Cadmium,Dissolved	U		0.000478	0.00100	1	06/26/2020 17:19	WG1498727
Calcium	630		0.480	1.00	1	06/26/2020 20:52	WG1498751
Chromium	U		0.00149	0.00200	1	06/26/2020 20:52	WG1498751
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 17:19	WG1498727
Cobalt	U		0.000477	0.00200	1	06/26/2020 20:52	WG1498751
Cobalt,Dissolved	U		0.000477	0.00200	1	06/26/2020 17:19	WG1498727
Iron	U		0.0489	0.100	1	06/26/2020 20:52	WG1498751
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 17:19	WG1498727
Lead	U		0.00249	0.00500	1	06/26/2020 20:52	WG1498751
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 17:19	WG1498727
Manganese	U		0.00132	0.00500	1	06/26/2020 20:52	WG1498751
Manganese,Dissolved	U		0.00132	0.00500	1	06/26/2020 17:19	WG1498727
Nickel	0.00111	J	0.000952	0.00200	1	06/26/2020 20:52	WG1498751
Nickel,Dissolved	0.00119	J	0.000952	0.00200	1	06/26/2020 17:19	WG1498727

Received by OCD: 11/22/2022 9:46:04 AM

MW-11
Collected date/time: 06/17/20 14:15
L1231155

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	3.51		0.534	2.00	1	06/26/2020 20:52	WG1498751
Selenium	0.0332		0.000657	0.00200	1	06/26/2020 20:52	WG1498751
Selenium,Dissolved	0.0300		0.000657	0.00200	1	06/26/2020 17:19	WG1498727
Sodium	510		0.630	2.00	1	06/26/2020 20:52	WG1498751
Uranium	0.0698		0.00754	0.0200	1	06/26/2020 20:52	WG1498751
Uranium,Dissolved	0.0673		0.00754	0.0200	1	06/26/2020 17:19	WG1498727
Vanadium	0.0251		0.000986	0.00500	1	06/26/2020 20:52	WG1498751
Vanadium,Dissolved	0.0247		0.000986	0.00500	1	06/26/2020 17:19	WG1498727

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 22:19	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 22:19	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 22:19	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 22:19	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 22:19	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 22:19	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 22:19	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 22:19	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 22:19	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 22:19	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 22:19	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 22:19	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 22:19	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 22:19	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 22:19	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 22:19	WG1497262
1,2-Dichloroethane	0.000171	J	0.0000819	0.00100	1	06/23/2020 22:19	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 22:19	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 22:19	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 22:19	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 22:19	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 22:19	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 22:19	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 22:19	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 22:19	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 22:19	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 22:19	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 22:19	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 22:19	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 22:19	WG1497262
Methyl tert-butyl ether	0.00152		0.000101	0.00100	1	06/28/2020 08:55	WG1500250
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 22:19	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 22:19	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 22:19	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 22:19	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 22:19	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 22:19	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 22:19	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 22:19	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 22:19	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 22:19	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 22:19	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 22:19	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 22:19	WG1497262

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

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

MW-71
Collected date/time: 06/17/20 14:15
L1231155

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
o-Xylene	U		0.000174	0.00100	1	06/23/2020 22:19	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 22:19	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 22:19	WG1497262
(S) Toluene-d8	*108*			*80.0-120*		*06/23/2020 22:19*	WG1497262
(S) Toluene-d8	*111*			*80.0-120*		*06/28/2020 08:55*	WG1500250
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/23/2020 22:19*	WG1497262
(S) 4-Bromofluorobenzene	*92.4*			*77.0-126*		*06/28/2020 08:55*	WG1500250
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*06/23/2020 22:19*	WG1497262
(S) 1,2-Dichloroethane-d4	*97.9*			*70.0-130*		*06/28/2020 08:55*	WG1500250

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0323	J	0.0247	0.100	1	06/26/2020 07:10	WG1497084
(S) o-Terphenyl	*62.6*			*31.0-160*		*06/26/2020 07:10*	WG1497084

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3040		14.1	50.0	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	2.05		0.0500	0.100	1	06/29/2020 22:34	WG1499268

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	354		37.9	100	100	06/26/2020 04:15	WG1498060
Fluoride	1.89		0.0640	0.150	1	06/26/2020 03:58	WG1498060
Sulfate	1700		59.4	500	100	06/26/2020 04:15	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00280		0.000735	0.00200	1	06/26/2020 20:56	WG1498751
Arsenic,Dissolved	0.00243		0.000735	0.00200	1	06/26/2020 17:34	WG1498727
Barium	0.0155	J	0.00778	0.0200	1	06/26/2020 20:56	WG1498751
Barium,Dissolved	0.0159	J	0.00778	0.0200	1	06/26/2020 17:34	WG1498727
Calcium	420		0.480	1.00	1	06/26/2020 20:56	WG1498751
Chromium	U		0.00149	0.00200	1	06/26/2020 20:56	WG1498751
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 17:34	WG1498727
Iron	U		0.0489	0.100	1	06/26/2020 20:56	WG1498751
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 17:34	WG1498727
Lead	U		0.00249	0.00500	1	06/26/2020 20:56	WG1498751
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 17:34	WG1498727
Manganese	U		0.00132	0.00500	1	06/26/2020 20:56	WG1498751
Manganese,Dissolved	U		0.00132	0.00500	1	06/26/2020 17:34	WG1498727
Potassium	5.27		0.534	2.00	1	06/26/2020 20:56	WG1498751
Selenium	0.0317		0.000657	0.00200	1	06/26/2020 20:56	WG1498751
Selenium,Dissolved	0.0319		0.000657	0.00200	1	06/26/2020 17:34	WG1498727
Sodium	190		0.630	2.00	1	06/26/2020 20:56	WG1498751

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 22:38	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 22:38	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 22:38	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 22:38	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 22:38	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 22:38	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 22:38	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 22:38	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 22:38	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 22:38	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 22:38	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 22:38	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 22:38	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 22:38	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 22:38	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 22:38	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 22:38	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 22:38	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 22:38	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 22:38	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 22:38	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 22:38	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 22:38	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 22:38	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 22:38	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 22:38	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 22:38	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 22:38	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 22:38	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 22:38	WG1497262
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 22:38	WG1497262
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 22:38	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 22:38	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 22:38	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 22:38	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 22:38	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 22:38	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 22:38	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 22:38	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 22:38	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 22:38	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 22:38	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 22:38	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 22:38	WG1497262
o-Xylene	U		0.000174	0.00100	1	06/23/2020 22:38	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 22:38	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 22:38	WG1497262
(S) Toluene-d8	*110*			*80.0-120*		*06/23/2020 22:38*	WG1497262
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/23/2020 22:38*	WG1497262
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/23/2020 22:38*	WG1497262

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0250	J	0.0247	0.100	1	06/26/2020 07:36	WG1497084
(S) o-Terphenyl	*62.1*			*31.0-160*		*06/26/2020 07:36*	WG1497084

Received by OCD: 11/22/2022 9:46:04 AM

MW-27
Collected date/time: 06/17/20 13:25

SAMPLE RESULTS - 08

L1231155

ONE LAB. NATIONWIDE.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	1820		7.05	25.0	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	1.78		0.0500	0.100	1	06/29/2020 21:26	WG1499268

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	56.7		0.379	1.00	1	06/26/2020 05:06	WG1498060
Fluoride	1.38		0.0640	0.150	1	06/26/2020 05:06	WG1498060
Sulfate	1070		11.9	100	20	06/26/2020 05:23	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00228		0.000735	0.00200	1	06/26/2020 21:00	WG1498751
Arsenic,Dissolved	0.00219		0.000735	0.00200	1	06/26/2020 17:37	WG1498727
Barium	0.0166	J	0.00778	0.0200	1	06/26/2020 21:00	WG1498751
Barium,Dissolved	0.0157	J	0.00778	0.0200	1	06/26/2020 17:37	WG1498727
Calcium	301		0.480	1.00	1	06/26/2020 21:00	WG1498751
Chromium	U		0.00149	0.00200	1	06/26/2020 21:00	WG1498751
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 17:37	WG1498727
Iron	U		0.0489	0.100	1	06/26/2020 21:00	WG1498751
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 17:37	WG1498727
Lead	U		0.00249	0.00500	1	06/26/2020 21:00	WG1498751
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 17:37	WG1498727
Manganese	0.00890		0.00132	0.00500	1	06/26/2020 21:00	WG1498751
Manganese,Dissolved	0.00198	J	0.00132	0.00500	1	06/26/2020 17:37	WG1498727
Potassium	7.62		0.534	2.00	1	06/26/2020 21:00	WG1498751
Selenium	0.0169		0.000657	0.00200	1	06/26/2020 21:00	WG1498751
Selenium,Dissolved	0.0154		0.000657	0.00200	1	06/26/2020 17:37	WG1498727
Sodium	91.0		0.630	2.00	1	06/26/2020 21:00	WG1498751

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/23/2020 22:57	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 22:57	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 22:57	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 22:57	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 22:57	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 22:57	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 22:57	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 22:57	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 22:57	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 22:57	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 22:57	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 22:57	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 22:57	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 22:57	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 22:57	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 22:57	WG1497262

Released to Imaging: 11/22/2022 9:50:00 AM

MW-27
Collected date/time: 06/17/20 13:25
L1231155

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 22:57	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 22:57	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 22:57	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 22:57	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 22:57	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 22:57	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 22:57	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 22:57	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 22:57	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 22:57	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 22:57	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 22:57	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 22:57	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 22:57	WG1497262
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 22:57	WG1497262
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 22:57	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 22:57	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 22:57	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 22:57	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 22:57	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 22:57	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 22:57	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 22:57	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 22:57	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 22:57	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 22:57	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 22:57	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 22:57	WG1497262
o-Xylene	U		0.000174	0.00100	1	06/23/2020 22:57	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 22:57	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 22:57	WG1497262
(S) Toluene-d8	*106*			*80.0-120*		*06/23/2020 22:57*	WG1497262
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/23/2020 22:57*	WG1497262
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/23/2020 22:57*	WG1497262

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/26/2020 08:02	WG1497084
(S) o-Terphenyl	*60.5*			*31.0-160*		*06/26/2020 08:02*	WG1497084

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2810		14.1	50.0	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.151		0.0500	0.100	1	06/29/2020 21:30	WG1499268

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	162		37.9	100	100	06/26/2020 05:57	WG1498060
Fluoride	2.92		0.0640	0.150	1	06/26/2020 05:40	WG1498060
Sulfate	1810		59.4	500	100	06/26/2020 05:57	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00857		0.000735	0.00200	1	06/26/2020 21:03	WG1498751
Arsenic,Dissolved	0.00880		0.000735	0.00200	1	06/26/2020 17:41	WG1498727
Barium	0.0133	J	0.00778	0.0200	1	06/26/2020 21:03	WG1498751
Barium,Dissolved	0.0117	J	0.00778	0.0200	1	06/26/2020 17:41	WG1498727
Calcium	480		0.480	1.00	1	06/26/2020 21:03	WG1498751
Chromium	U		0.00149	0.00200	1	06/26/2020 21:03	WG1498751
Chromium,Dissolved	0.00153	J	0.00149	0.00200	1	06/26/2020 17:41	WG1498727
Iron	U		0.0489	0.100	1	06/26/2020 21:03	WG1498751
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 17:41	WG1498727
Lead	U		0.00249	0.00500	1	06/26/2020 21:03	WG1498751
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 17:41	WG1498727
Manganese	0.579		0.00132	0.00500	1	06/26/2020 21:03	WG1498751
Manganese,Dissolved	0.567		0.00132	0.00500	1	06/26/2020 17:41	WG1498727
Potassium	8.84		0.534	2.00	1	06/26/2020 21:03	WG1498751
Selenium	0.00476		0.000657	0.00200	1	06/26/2020 21:03	WG1498751
Selenium,Dissolved	0.00409		0.000657	0.00200	1	06/26/2020 17:41	WG1498727
Sodium	148		0.630	2.00	1	06/26/2020 21:03	WG1498751

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 23:16	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 23:16	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 23:16	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 23:16	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 23:16	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 23:16	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 23:16	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 23:16	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 23:16	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 23:16	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 23:16	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 23:16	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 23:16	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 23:16	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 23:16	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 23:16	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 23:16	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 23:16	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 23:16	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 23:16	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 23:16	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 23:16	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 23:16	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 23:16	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 23:16	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 23:16	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 23:16	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 23:16	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 23:16	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 23:16	WG1497262
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 23:16	WG1497262
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 23:16	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 23:16	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 23:16	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 23:16	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 23:16	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 23:16	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 23:16	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 23:16	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 23:16	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 23:16	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 23:16	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 23:16	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 23:16	WG1497262
o-Xylene	0.000664	J	0.000174	0.00100	1	06/23/2020 23:16	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 23:16	WG1497262
Xylenes, Total	0.000664	J	0.000174	0.00300	1	06/23/2020 23:16	WG1497262
(S) Toluene-d8	*109*			*80.0-120*		*06/23/2020 23:16*	WG1497262
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/23/2020 23:16*	WG1497262
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/23/2020 23:16*	WG1497262

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.218		0.0247	0.100	1	06/27/2020 01:50	WG1497084
(S) o-Terphenyl	*72.1*			*31.0-160*		*06/27/2020 01:50*	WG1497084

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4390		14.1	50.0	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.331		0.0500	0.100	1	06/29/2020 21:31	WG1499268

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	446		37.9	100	100	06/26/2020 06:30	WG1498060
Fluoride	2.69		0.0640	0.150	1	06/26/2020 06:14	WG1498060
Sulfate	2610		59.4	500	100	06/26/2020 06:30	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00508		0.000735	0.00200	1	06/26/2020 21:07	WG1498751
Arsenic,Dissolved	0.00518		0.000735	0.00200	1	06/26/2020 17:44	WG1498727
Barium	0.0161	J	0.00778	0.0200	1	06/26/2020 21:07	WG1498751
Barium,Dissolved	0.0137	J	0.00778	0.0200	1	06/26/2020 17:44	WG1498727
Calcium	500		0.480	1.00	1	06/26/2020 21:07	WG1498751
Chromium	U		0.00149	0.00200	1	06/26/2020 21:07	WG1498751
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 17:44	WG1498727
Iron	U		0.0489	0.100	1	06/26/2020 21:07	WG1498751
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 17:44	WG1498727
Lead	U		0.00249	0.00500	1	06/26/2020 21:07	WG1498751
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 17:44	WG1498727
Manganese	0.116		0.00132	0.00500	1	06/26/2020 21:07	WG1498751
Manganese,Dissolved	0.0223		0.00132	0.00500	1	06/26/2020 17:44	WG1498727
Potassium	8.82		0.534	2.00	1	06/26/2020 21:07	WG1498751
Selenium	0.0135		0.000657	0.00200	1	06/26/2020 21:07	WG1498751
Selenium,Dissolved	0.0120		0.000657	0.00200	1	06/26/2020 17:44	WG1498727
Sodium	424		0.630	2.00	1	06/26/2020 21:07	WG1498751

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 23:35	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 23:35	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 23:35	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 23:35	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 23:35	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 23:35	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 23:35	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 23:35	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 23:35	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 23:35	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 23:35	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 23:35	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 23:35	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 23:35	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 23:35	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 23:35	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 23:35	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 23:35	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 23:35	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 23:35	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 23:35	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 23:35	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 23:35	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 23:35	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 23:35	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 23:35	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 23:35	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 23:35	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 23:35	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 23:35	WG1497262
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 23:35	WG1497262
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 23:35	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 23:35	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 23:35	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 23:35	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 23:35	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 23:35	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 23:35	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 23:35	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 23:35	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 23:35	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 23:35	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 23:35	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 23:35	WG1497262
o-Xylene	U		0.000174	0.00100	1	06/23/2020 23:35	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 23:35	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 23:35	WG1497262
(S) Toluene-d8	*109*			*80.0-120*		*06/23/2020 23:35*	WG1497262
(S) 4-Bromofluorobenzene	*98.6*			*77.0-126*		*06/23/2020 23:35*	WG1497262
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*06/23/2020 23:35*	WG1497262

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.120		0.0247	0.100	1	06/27/2020 02:16	WG1497084
(S) o-Terphenyl	*70.5*			*31.0-160*		*06/27/2020 02:16*	WG1497084

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5990		28.2	100	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.69		0.0500	0.100	1	06/29/2020 21:32	WG1499268

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	671		37.9	100	100	06/26/2020 07:04	WG1498060
Fluoride	2.06		0.0640	0.150	1	06/26/2020 06:47	WG1498060
Sulfate	3660		59.4	500	100	06/26/2020 07:04	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00335		0.000735	0.00200	1	06/26/2020 21:11	WG1498751
Arsenic,Dissolved	0.00316		0.000735	0.00200	1	06/26/2020 17:48	WG1498727
Barium	0.00884	J	0.00778	0.0200	1	06/26/2020 21:11	WG1498751
Barium,Dissolved	0.00792	J	0.00778	0.0200	1	06/26/2020 17:48	WG1498727
Calcium	585		0.480	1.00	1	06/26/2020 21:11	WG1498751
Chromium	U		0.00149	0.00200	1	06/26/2020 21:11	WG1498751
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 17:48	WG1498727
Iron	U		0.0489	0.100	1	06/26/2020 21:11	WG1498751
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 17:48	WG1498727
Lead	U		0.00249	0.00500	1	06/26/2020 21:11	WG1498751
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 17:48	WG1498727
Manganese	0.295		0.00132	0.00500	1	06/26/2020 21:11	WG1498751
Manganese,Dissolved	0.255		0.00132	0.00500	1	06/26/2020 17:48	WG1498727
Potassium	5.18		0.534	2.00	1	06/26/2020 21:11	WG1498751
Selenium	0.0196		0.000657	0.00200	1	06/26/2020 21:11	WG1498751
Selenium,Dissolved	0.0171		0.000657	0.00200	1	06/26/2020 17:48	WG1498727
Sodium	530		0.630	2.00	1	06/26/2020 21:11	WG1498751

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 23:54	WG1497262
Benzene	U		0.0000941	0.00100	1	06/23/2020 23:54	WG1497262
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 23:54	WG1497262
Bromoform	U		0.000129	0.00100	1	06/23/2020 23:54	WG1497262
Bromomethane	U		0.000605	0.00500	1	06/23/2020 23:54	WG1497262
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 23:54	WG1497262
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 23:54	WG1497262
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 23:54	WG1497262
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 23:54	WG1497262
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 23:54	WG1497262
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 23:54	WG1497262
Chloroethane	U		0.000192	0.00500	1	06/23/2020 23:54	WG1497262
Chloroform	U		0.000111	0.00500	1	06/23/2020 23:54	WG1497262
Chloromethane	U		0.000960	0.00250	1	06/23/2020 23:54	WG1497262
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 23:54	WG1497262
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 23:54	WG1497262

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 23:54	WG1497262
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 23:54	WG1497262
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 23:54	WG1497262
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 23:54	WG1497262
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 23:54	WG1497262
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 23:54	WG1497262
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 23:54	WG1497262
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 23:54	WG1497262
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 23:54	WG1497262
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 23:54	WG1497262
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 23:54	WG1497262
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 23:54	WG1497262
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 23:54	WG1497262
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 23:54	WG1497262
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 23:54	WG1497262
Naphthalene	U	J4	0.00100	0.00500	1	06/23/2020 23:54	WG1497262
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 23:54	WG1497262
Styrene	U		0.000118	0.00100	1	06/23/2020 23:54	WG1497262
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 23:54	WG1497262
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 23:54	WG1497262
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 23:54	WG1497262
Toluene	U		0.000278	0.00100	1	06/23/2020 23:54	WG1497262
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 23:54	WG1497262
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 23:54	WG1497262
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 23:54	WG1497262
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 23:54	WG1497262
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 23:54	WG1497262
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 23:54	WG1497262
o-Xylene	U		0.000174	0.00100	1	06/23/2020 23:54	WG1497262
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 23:54	WG1497262
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 23:54	WG1497262
(S) Toluene-d8	*107*			*80.0-120*		*06/23/2020 23:54*	WG1497262
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/23/2020 23:54*	WG1497262
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/23/2020 23:54*	WG1497262

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0276	J	0.0247	0.100	1	06/27/2020 02:41	WG1497084
(S) o-Terphenyl	*68.9*			*31.0-160*		*06/27/2020 02:41*	WG1497084

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3930		14.1	50.0	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0922	J	0.0500	0.100	1	06/29/2020 21:34	WG1499268

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	204		37.9	100	100	06/26/2020 07:38	WG1498060
Fluoride	1.43		0.0640	0.150	1	06/26/2020 07:21	WG1498060
Sulfate	2550		59.4	500	100	06/26/2020 07:38	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00285		0.000735	0.00200	1	06/26/2020 21:14	WG1498751
Arsenic,Dissolved	0.00266		0.000735	0.00200	1	06/26/2020 17:51	WG1498727
Barium	0.0128	J	0.00778	0.0200	1	06/26/2020 21:14	WG1498751
Barium,Dissolved	0.0102	J	0.00778	0.0200	1	06/26/2020 17:51	WG1498727
Calcium	607		0.480	1.00	1	06/26/2020 21:14	WG1498751
Chromium	U		0.00149	0.00200	1	06/26/2020 21:14	WG1498751
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 17:51	WG1498727
Iron	0.0754	J	0.0489	0.100	1	06/26/2020 21:14	WG1498751
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 17:51	WG1498727
Lead	U		0.00249	0.00500	1	06/26/2020 21:14	WG1498751
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 17:51	WG1498727
Manganese	0.0688		0.00132	0.00500	1	06/26/2020 21:14	WG1498751
Manganese,Dissolved	0.0447		0.00132	0.00500	1	06/26/2020 17:51	WG1498727
Potassium	0.731	J	0.534	2.00	1	06/26/2020 21:14	WG1498751
Selenium	0.00120	J	0.000657	0.00200	1	06/26/2020 21:14	WG1498751
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 17:51	WG1498727
Sodium	172		0.630	2.00	1	06/26/2020 21:14	WG1498751

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 02:32	WG1497267
Benzene	U		0.0000941	0.00100	1	06/23/2020 02:32	WG1497267
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 02:32	WG1497267
Bromoform	U		0.000129	0.00100	1	06/23/2020 02:32	WG1497267
Bromomethane	U		0.000605	0.00500	1	06/23/2020 02:32	WG1497267
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 02:32	WG1497267
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 02:32	WG1497267
Carbon disulfide	0.000120	J	0.0000962	0.00100	1	06/23/2020 02:32	WG1497267
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 02:32	WG1497267
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 02:32	WG1497267
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 02:32	WG1497267
Chloroethane	U		0.000192	0.00500	1	06/23/2020 02:32	WG1497267
Chloroform	U		0.000111	0.00500	1	06/23/2020 02:32	WG1497267
Chloromethane	U		0.000960	0.00250	1	06/23/2020 02:32	WG1497267
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 02:32	WG1497267
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 02:32	WG1497267

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 02:32	WG1497267
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 02:32	WG1497267
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 02:32	WG1497267
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 02:32	WG1497267
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 02:32	WG1497267
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 02:32	WG1497267
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 02:32	WG1497267
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 02:32	WG1497267
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 02:32	WG1497267
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 02:32	WG1497267
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 02:32	WG1497267
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 02:32	WG1497267
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 02:32	WG1497267
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 02:32	WG1497267
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 02:32	WG1497267
Naphthalene	U		0.00100	0.00500	1	06/23/2020 02:32	WG1497267
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 02:32	WG1497267
Styrene	U		0.000118	0.00100	1	06/23/2020 02:32	WG1497267
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 02:32	WG1497267
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 02:32	WG1497267
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 02:32	WG1497267
Toluene	U		0.000278	0.00100	1	06/23/2020 02:32	WG1497267
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 02:32	WG1497267
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 02:32	WG1497267
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 02:32	WG1497267
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 02:32	WG1497267
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 02:32	WG1497267
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 02:32	WG1497267
o-Xylene	U		0.000174	0.00100	1	06/23/2020 02:32	WG1497267
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 02:32	WG1497267
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 02:32	WG1497267
(S) Toluene-d8	*113*			*80.0-120*		*06/23/2020 02:32*	WG1497267
(S) 4-Bromofluorobenzene	*97.1*			*77.0-126*		*06/23/2020 02:32*	WG1497267
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*06/23/2020 02:32*	WG1497267

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0408	J	0.0247	0.100	1	06/27/2020 03:07	WG1497084
(S) o-Terphenyl	*66.8*			*31.0-160*		*06/27/2020 03:07*	WG1497084

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SAMPLE RESULTS - 13

L1231155

ONE LAB. NATIONWIDE.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 02:12	WG1497267
Benzene	U		0.0000941	0.00100	1	06/23/2020 02:12	WG1497267
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 02:12	WG1497267
Bromoform	U		0.000129	0.00100	1	06/23/2020 02:12	WG1497267
Bromomethane	U		0.000605	0.00500	1	06/23/2020 02:12	WG1497267
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 02:12	WG1497267
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 02:12	WG1497267
Carbon disulfide	0.000123	J	0.0000962	0.00100	1	06/23/2020 02:12	WG1497267
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 02:12	WG1497267
Chlorobenzene	U		0.000116	0.00100	1	06/23/2020 02:12	WG1497267
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 02:12	WG1497267
Chloroethane	U		0.000192	0.00500	1	06/23/2020 02:12	WG1497267
Chloroform	U		0.000111	0.00500	1	06/23/2020 02:12	WG1497267
Chloromethane	U		0.000960	0.00250	1	06/23/2020 02:12	WG1497267
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 02:12	WG1497267
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 02:12	WG1497267
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 02:12	WG1497267
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 02:12	WG1497267
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 02:12	WG1497267
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 02:12	WG1497267
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 02:12	WG1497267
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 02:12	WG1497267
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 02:12	WG1497267
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 02:12	WG1497267
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 02:12	WG1497267
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 02:12	WG1497267
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 02:12	WG1497267
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 02:12	WG1497267
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 02:12	WG1497267
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 02:12	WG1497267
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 02:12	WG1497267
Naphthalene	U		0.00100	0.00500	1	06/23/2020 02:12	WG1497267
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 02:12	WG1497267
Styrene	U		0.000118	0.00100	1	06/23/2020 02:12	WG1497267
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 02:12	WG1497267
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 02:12	WG1497267
Tetrachloroethene	U		0.000300	0.00100	1	06/23/2020 02:12	WG1497267
Toluene	U		0.000278	0.00100	1	06/23/2020 02:12	WG1497267
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 02:12	WG1497267
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 02:12	WG1497267
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 02:12	WG1497267
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 02:12	WG1497267
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 02:12	WG1497267
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 02:12	WG1497267
o-Xylene	U		0.000174	0.00100	1	06/23/2020 02:12	WG1497267
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 02:12	WG1497267
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 02:12	WG1497267
(S) Toluene-d8	*111*			*80.0-120*		*06/23/2020 02:12*	WG1497267
(S) 4-Bromofluorobenzene	*96.8*			*77.0-126*		*06/23/2020 02:12*	WG1497267
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/23/2020 02:12*	WG1497267

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Method Blank (MB)

(MB) R3543550-1 06/25/20 00:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1231153-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1231153-06 06/25/20 00:47 • (DUP) R3543550-3 06/25/20 00:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1270	1250	1	1.58		5

L1231207-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1231207-03 06/25/20 00:47 • (DUP) R3543550-4 06/25/20 00:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	6070	6120	1	0.820		5

Laboratory Control Sample (LCS)

(LCS) R3543550-2 06/25/20 00:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8850	101	85.0-115	

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Method Blank (MB)

(MB) R3544487-1 06/29/20 21:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1231158-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1231158-08 06/29/20 22:38 • (DUP) R3544487-6 06/29/20 22:39

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	3.88	3.87	1	0.258		20

L1231153-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1231153-09 06/29/20 23:05 • (DUP) R3544487-7 06/29/20 23:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3544487-2 06/29/20 21:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	3.82	95.5	90.0-110	

L1231155-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231155-08 06/29/20 21:26 • (MS) R3544487-3 06/29/20 21:27 • (MSD) R3544487-4 06/29/20 21:29

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	1.78	4.21	4.32	97.2	102	1	90.0-110			2.58	20

L1231155-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1231155-12 06/29/20 21:34 • (MS) R3544487-5 06/29/20 21:39

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	0.0922	2.55	98.3	1	90.0-110	

Method Blank (MB)

(MB) R3543733-1 06/27/20 15:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1231161-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1231161-02 06/27/20 16:04 • (DUP) R3543733-5 06/27/20 16:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1231161-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1231161-10 06/27/20 16:17 • (DUP) R3543733-8 06/27/20 16:19

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3543733-2 06/27/20 15:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.102	102	90.0-110	

L1231161-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231161-01 06/27/20 16:01 • (MS) R3543733-3 06/27/20 16:02 • (MSD) R3543733-4 06/27/20 16:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.0112	0.0856	0.0979	74.4	86.7	1	75.0-125	J6		13.4	20

L1231161-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231161-06 06/27/20 16:09 • (MS) R3543733-6 06/27/20 16:12 • (MSD) R3543733-7 06/27/20 16:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.0846	0.191	0.193	106	108	1	75.0-125			1.04	20

Method Blank (MB)

(MB) R3543569-1 06/25/20 21:37

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1231155-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1231155-01 06/25/20 22:48 • (DUP) R3543569-3 06/25/20 23:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	1.31	1.32	1	1.08		15

L1231155-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1231155-01 06/25/20 23:22 • (DUP) R3543569-4 06/25/20 23:39

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	976	971	20	0.433		15
Sulfate	1450	1430	20	1.18		15

L1231207-28 Original Sample (OS) • Duplicate (DUP)

(OS) L1231207-28 06/26/20 16:51 • (DUP) R3543569-9 06/26/20 17:08

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

Laboratory Control Sample (LCS)

(LCS) R3543569-2 06/25/20 21:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.1	100	80.0-120	
Fluoride	8.00	7.94	99.2	80.0-120	
Sulfate	40.0	41.2	103	80.0-120	

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L1231155-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231155-02 06/25/20 23:55 • (MS) R3543569-5 06/26/20 00:19 • (MSD) R3543569-6 06/26/20 00:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	367	399	399	63.8	64.6	1	80.0-120	E V	E V	0.0947	15
Fluoride	5.00	2.26	6.63	6.67	87.4	88.3	1	80.0-120			0.666	15
Sulfate	50.0	2530	2480	2480	0.000	0.000	1	80.0-120	E V	E V	0.00345	15

L1231207-27 Original Sample (OS) • Matrix Spike (MS)

(OS) L1231207-27 06/26/20 12:26 • (MS) R3543569-7 06/26/20 12:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	1260	1250	0.000	1	80.0-120	E V
Fluoride	5.00	2.52	7.24	94.4	1	80.0-120	
Sulfate	50.0	1980	1950	0.000	1	80.0-120	E V

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Method Blank (MB)

(MB) R3541985-1 06/23/20 13:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3541985-2 06/23/20 13:18

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00298	99.3	80.0-120	

L1231158-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231158-17 06/23/20 13:20 • (MS) R3541985-3 06/23/20 13:22 • (MSD) R3541985-4 06/23/20 13:25

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00196	0.00209	65.3	69.7	1	75.0-125	J6	J6	6.42	20

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Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3542432-1 06/24/20 10:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3542432-2 06/24/20 11:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00292	97.3	80.0-120	

L1231593-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231593-03 06/24/20 11:53 • (MS) R3542432-3 06/24/20 11:55 • (MSD) R3542432-4 06/24/20 11:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00295	0.00295	98.3	98.3	1	75.0-125			0.000	20

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Method Blank (MB)

(MB) R3543383-1 06/26/20 07:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3543383-2 06/26/20 07:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.990	99.0	80.0-120	

L1231158-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231158-17 06/26/20 07:57 • (MS) R3543383-4 06/26/20 08:03 • (MSD) R3543383-5 06/26/20 08:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.163	1.14	1.17	97.5	101	1	75.0-125			3.09	20

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3543152-5 06/25/20 23:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3543152-1 06/25/20 16:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	1.02	102	80.0-120	

L1231139-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231139-02 06/25/20 16:51 • (MS) R3543152-3 06/25/20 16:56 • (MSD) R3543152-4 06/25/20 16:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.209	1.24	1.22	103	101	1	75.0-125			1.40	20

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3543558-1 06/26/20 16:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Cadmium,Dissolved	U		0.000478	0.00100
Chromium,Dissolved	U		0.00149	0.00200
Cobalt,Dissolved	U		0.000477	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Nickel,Dissolved	U		0.000952	0.00200
Selenium,Dissolved	U		0.000657	0.00200
Uranium,Dissolved	U		0.00754	0.0200
Vanadium,Dissolved	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3543558-2 06/26/20 16:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0485	97.1	80.0-120	
Barium,Dissolved	0.0500	0.0501	100	80.0-120	
Cadmium,Dissolved	0.0500	0.0536	107	80.0-120	
Chromium,Dissolved	0.0500	0.0507	101	80.0-120	
Cobalt,Dissolved	0.0500	0.0512	102	80.0-120	
Iron,Dissolved	5.00	5.20	104	80.0-120	
Lead,Dissolved	0.0500	0.0496	99.2	80.0-120	
Manganese,Dissolved	0.0500	0.0496	99.2	80.0-120	
Nickel,Dissolved	0.0500	0.0511	102	80.0-120	
Selenium,Dissolved	0.0500	0.0541	108	80.0-120	
Uranium,Dissolved	0.0500	0.0504	101	80.0-120	
Vanadium,Dissolved	0.0500	0.0499	99.9	80.0-120	

L1231153-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231153-04 06/26/20 16:08 • (MS) R3543558-4 06/26/20 16:15 • (MSD) R3543558-5 06/26/20 16:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0273	0.0779	0.0797	101	105	1	75.0-125			2.26	20
Barium,Dissolved	0.0500	0.0214	0.0727	0.0728	103	103	1	75.0-125			0.205	20
Cadmium,Dissolved	0.0500	U	0.0551	0.0559	110	112	1	75.0-125			1.46	20

L1231153-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231153-04 06/26/20 16:08 • (MS) R3543558-4 06/26/20 16:15 • (MSD) R3543558-5 06/26/20 16:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	U	0.0510	0.0528	102	106	1	75.0-125			3.52	20
Cobalt,Dissolved	0.0500	0.00143	0.0518	0.0534	101	104	1	75.0-125			3.09	20
Iron,Dissolved	5.00	0.787	5.93	6.04	103	105	1	75.0-125			1.95	20
Lead,Dissolved	0.0500	U	0.0503	0.0520	101	104	1	75.0-125			3.39	20
Manganese,Dissolved	0.0500	0.905	0.912	0.936	13.6	61.4	1	75.0-125	V	V	2.59	20
Nickel,Dissolved	0.0500	0.00318	0.0537	0.0545	101	103	1	75.0-125			1.42	20
Selenium,Dissolved	0.0500	U	0.0537	0.0527	107	105	1	75.0-125			1.98	20
Uranium,Dissolved	0.0500	U	0.0545	0.0565	109	113	1	75.0-125			3.55	20
Vanadium,Dissolved	0.0500	U	0.0513	0.0529	103	106	1	75.0-125			3.14	20

Method Blank (MB)

(MB) R3543559-1 06/26/20 13:55

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	0.00152	J	0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	U		0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

Method Blank (MB)

(MB) R3543559-6 06/26/20 18:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nickel	U		0.000952	0.00200

Laboratory Control Sample (LCS)

(LCS) R3543559-2 06/26/20 13:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0534	107	80.0-120	
Barium	0.0500	0.0501	100	80.0-120	
Cadmium	0.0500	0.0542	108	80.0-120	
Calcium	5.00	5.08	102	80.0-120	
Chromium	0.0500	0.0550	110	80.0-120	
Cobalt	0.0500	0.0559	112	80.0-120	
Iron	5.00	5.46	109	80.0-120	
Lead	0.0500	0.0508	102	80.0-120	
Manganese	0.0500	0.0547	109	80.0-120	
Potassium	5.00	5.00	100	80.0-120	
Selenium	0.0500	0.0579	116	80.0-120	
Sodium	5.00	5.19	104	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3543559-2 06/26/20 13:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Uranium	0.0500	0.0507	101	80.0-120	
Vanadium	0.0500	0.0546	109	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3543559-7 06/26/20 18:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nickel	0.0500	0.0561	112	80.0-120	

L1231154-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231154-08 06/26/20 14:02 • (MS) R3543559-4 06/26/20 14:10 • (MSD) R3543559-5 06/26/20 14:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.000759	0.0514	0.0498	101	98.1	1	75.0-125			3.14	20
Barium	0.0500	0.0283	0.0793	0.0793	102	102	1	75.0-125			0.0394	20
Cadmium	0.0500	U	0.0550	0.0558	110	112	1	75.0-125			1.36	20
Calcium	5.00	30.1	35.2	35.4	101	106	1	75.0-125			0.636	20
Chromium	0.0500	U	0.0531	0.0529	106	106	1	75.0-125			0.285	20
Cobalt	0.0500	0.00680	0.0592	0.0585	105	103	1	75.0-125			1.28	20
Potassium	5.00	1.76	6.77	6.85	100	102	1	75.0-125			1.13	20
Iron	5.00	3.16	8.42	8.24	105	102	1	75.0-125			2.10	20
Lead	0.0500	U	0.0514	0.0515	103	103	1	75.0-125			0.0413	20
Manganese	0.0500	0.220	0.271	0.262	103	82.8	1	75.0-125			3.71	20
Selenium	0.0500	U	0.0581	0.0590	116	118	1	75.0-125			1.42	20
Sodium	5.00	221	227	227	127	123	1	75.0-125	V		0.0959	20
Uranium	0.0500	U	0.0534	0.0531	107	106	1	75.0-125			0.728	20
Vanadium	0.0500	U	0.0523	0.0516	105	103	1	75.0-125			1.34	20

L1231154-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231154-08 06/26/20 18:24 • (MS) R3543559-9 06/26/20 18:31 • (MSD) R3543559-10 06/26/20 18:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nickel	0.0500	0.0142	0.0632	0.0666	98.0	105	1	75.0-125			5.25	20

Method Blank (MB)

(MB) R3543307-2 06/25/20 16:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3543307-1 06/25/20 15:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.71	104	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*99.4*	*78.0-120*	

L1231158-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231158-17 06/25/20 23:56 • (MS) R3543307-3 06/26/20 01:27 • (MSD) R3543307-4 06/26/20 01:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	0.229	5.86	5.18	102	90.0	1	10.0-160			12.3	22
(S) a,a,a-Trifluorotoluene(FID)					*100*	*98.4*		*78.0-120*				

Method Blank (MB)

(MB) R3543687-2 06/23/20 15:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	0.000150	J	0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	0.00516	J	0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	0.00158	J	0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Method Blank (MB)

(MB) R3543687-2 06/23/20 15:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*106*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3543687-1 06/23/20 12:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0333	133	19.0-160	
Benzene	0.00500	0.00472	94.4	70.0-123	
Bromodichloromethane	0.00500	0.00452	90.4	75.0-120	
Bromoform	0.00500	0.00494	98.8	68.0-132	
Bromomethane	0.00500	0.00548	110	10.0-160	
n-Butylbenzene	0.00500	0.00433	86.6	73.0-125	
sec-Butylbenzene	0.00500	0.00419	83.8	75.0-125	
Carbon disulfide	0.00500	0.00435	87.0	61.0-128	
Carbon tetrachloride	0.00500	0.00384	76.8	68.0-126	
Chlorobenzene	0.00500	0.00477	95.4	80.0-121	
Chlorodibromomethane	0.00500	0.00475	95.0	77.0-125	
Chloroethane	0.00500	0.00452	90.4	47.0-150	
Chloroform	0.00500	0.00486	97.2	73.0-120	
Chloromethane	0.00500	0.00459	91.8	41.0-142	
1,2-Dibromoethane	0.00500	0.00459	91.8	80.0-122	
1,1-Dichloroethane	0.00500	0.00422	84.4	70.0-126	
1,2-Dichloroethane	0.00500	0.00490	98.0	70.0-128	
1,1-Dichloroethene	0.00500	0.00463	92.6	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00457	91.4	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00481	96.2	73.0-120	
1,2-Dichloropropane	0.00500	0.00424	84.8	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00454	90.8	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00451	90.2	78.0-124	

Laboratory Control Sample (LCS)

(LCS) R3543687-1 06/23/20 12:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00465	93.0	79.0-123	
2-Hexanone	0.0250	0.0245	98.0	67.0-149	
Isopropylbenzene	0.00500	0.00477	95.4	76.0-127	
p-Isopropyltoluene	0.00500	0.00423	84.6	76.0-125	
2-Butanone (MEK)	0.0250	0.0232	92.8	44.0-160	
Methylene Chloride	0.00500	0.00436	87.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0231	92.4	68.0-142	
Methyl tert-butyl ether	0.00500	0.00499	99.8	68.0-125	
Naphthalene	0.00500	0.00686	137	54.0-135	J4
n-Propylbenzene	0.00500	0.00423	84.6	77.0-124	
Styrene	0.00500	0.00446	89.2	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00456	91.2	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00432	86.4	65.0-130	
Tetrachloroethene	0.00500	0.00441	88.2	72.0-132	
Toluene	0.00500	0.00464	92.8	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00488	97.6	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00431	86.2	80.0-120	
Trichloroethene	0.00500	0.00463	92.6	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00418	83.6	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00463	92.6	76.0-122	
Vinyl chloride	0.00500	0.00442	88.4	67.0-131	
Xylenes, Total	0.0150	0.0139	92.7	79.0-123	
o-Xylene	0.00500	0.00485	97.0	80.0-122	
m&p-Xylenes	0.0100	0.00903	90.3	80.0-122	
(S) Toluene-d8			*107*	*80.0-120*	
(S) 4-Bromofluorobenzene			*106*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*105*	*70.0-130*	

Method Blank (MB)

(MB) R3543542-1 06/23/20 00:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3543542-1 06/23/20 00:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*115*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3543542-4 06/23/20 09:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0395	158	19.0-160	
Benzene	0.00500	0.00389	77.8	70.0-123	
Bromodichloromethane	0.00500	0.00460	92.0	75.0-120	
Bromoform	0.00500	0.00549	110	68.0-132	
Bromomethane	0.00500	0.00340	68.0	10.0-160	
n-Butylbenzene	0.00500	0.00382	76.4	73.0-125	
sec-Butylbenzene	0.00500	0.00457	91.4	75.0-125	
Carbon disulfide	0.00500	0.00386	77.2	61.0-128	
Carbon tetrachloride	0.00500	0.00512	102	68.0-126	
Chlorobenzene	0.00500	0.00530	106	80.0-121	
Chlorodibromomethane	0.00500	0.00478	95.6	77.0-125	
Chloroethane	0.00500	0.00402	80.4	47.0-150	
Chloroform	0.00500	0.00431	86.2	73.0-120	
Chloromethane	0.00500	0.00470	94.0	41.0-142	
1,2-Dibromoethane	0.00500	0.00570	114	80.0-122	
1,1-Dichloroethane	0.00500	0.00431	86.2	70.0-126	
1,2-Dichloroethane	0.00500	0.00383	76.6	70.0-128	
1,1-Dichloroethene	0.00500	0.00513	103	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00520	104	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00464	92.8	73.0-120	
1,2-Dichloropropane	0.00500	0.00443	88.6	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00405	81.0	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00462	92.4	78.0-124	

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Laboratory Control Sample (LCS)

(LCS) R3543542-4 06/23/20 09:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00560	112	79.0-123	
2-Hexanone	0.0250	0.0280	112	67.0-149	
Isopropylbenzene	0.00500	0.00437	87.4	76.0-127	
p-Isopropyltoluene	0.00500	0.00513	103	76.0-125	
2-Butanone (MEK)	0.0250	0.0236	94.4	44.0-160	
Methylene Chloride	0.00500	0.00364	72.8	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0242	96.8	68.0-142	
Methyl tert-butyl ether	0.00500	0.00399	79.8	68.0-125	
Naphthalene	0.00500	0.00485	97.0	54.0-135	
n-Propylbenzene	0.00500	0.00478	95.6	77.0-124	
Styrene	0.00500	0.00441	88.2	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00483	96.6	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00350	70.0	65.0-130	
Tetrachloroethene	0.00500	0.00575	115	72.0-132	
Toluene	0.00500	0.00442	88.4	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00383	76.6	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00492	98.4	80.0-120	
Trichloroethene	0.00500	0.00551	110	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00412	82.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00382	76.4	76.0-122	
Vinyl chloride	0.00500	0.00420	84.0	67.0-131	
Xylenes, Total	0.0150	0.0150	100	79.0-123	
o-Xylene	0.00500	0.00515	103	80.0-122	
m&p-Xylenes	0.0100	0.00982	98.2	80.0-122	
(S) Toluene-d8			*115*	*80.0-120*	
(S) 4-Bromofluorobenzene			*101*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*101*	*70.0-130*	

L1231158-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231158-17 06/23/20 06:51 • (MS) R3543542-2 06/23/20 08:50 • (MSD) R3543542-3 06/23/20 09:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	U	0.0746	0.0810	298	324	1	10.0-160	J5	J5	8.23	35
Benzene	0.00500	0.000244	0.00494	0.00509	93.9	96.9	1	17.0-158			2.99	27
Bromodichloromethane	0.00500	U	0.00528	0.00524	106	105	1	31.0-150			0.760	27
Bromoform	0.00500	U	0.00610	0.00636	122	127	1	29.0-150			4.17	29
Bromomethane	0.00500	U	0.00433	0.00438	86.6	87.6	1	10.0-160			1.15	38
n-Butylbenzene	0.00500	U	0.00431	0.00456	86.2	91.2	1	31.0-150			5.64	30

L1231158-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231158-17 06/23/20 06:51 • (MS) R3543542-2 06/23/20 08:50 • (MSD) R3543542-3 06/23/20 09:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
sec-Butylbenzene	0.00500	0.00138	0.00687	0.00687	110	110	1	33.0-155			0.000	29
Carbon disulfide	0.00500	U	0.00495	0.00286	99.0	57.2	1	10.0-156		J3	53.5	28
Carbon tetrachloride	0.00500	U	0.00648	0.00677	130	135	1	23.0-159			4.38	28
Chlorobenzene	0.00500	U	0.00599	0.00644	120	129	1	33.0-152			7.24	27
Chlorodibromomethane	0.00500	U	0.00540	0.00568	108	114	1	37.0-149			5.05	27
Chloroethane	0.00500	U	0.00505	0.00508	101	102	1	10.0-160			0.592	30
Chloroform	0.00500	U	0.00489	0.00515	97.8	103	1	29.0-154			5.18	28
Chloromethane	0.00500	U	0.00612	0.00611	122	122	1	10.0-160			0.164	29
1,2-Dibromoethane	0.00500	U	0.00649	0.00674	130	135	1	34.0-147			3.78	27
1,1-Dichloroethane	0.00500	U	0.00523	0.00565	105	113	1	25.0-158			7.72	27
1,2-Dichloroethane	0.00500	U	0.00446	0.00461	89.2	92.2	1	29.0-151			3.31	27
1,1-Dichloroethene	0.00500	U	0.00648	0.00775	130	155	1	11.0-160			17.8	29
cis-1,2-Dichloroethene	0.00500	U	0.00625	0.00647	125	129	1	10.0-160			3.46	27
trans-1,2-Dichloroethene	0.00500	U	0.00537	0.00613	107	123	1	17.0-153			13.2	27
1,2-Dichloropropane	0.00500	U	0.00528	0.00552	106	110	1	30.0-156			4.44	27
cis-1,3-Dichloropropene	0.00500	U	0.00444	0.00463	88.8	92.6	1	34.0-149			4.19	28
trans-1,3-Dichloropropene	0.00500	U	0.00499	0.00530	99.8	106	1	32.0-149			6.03	28
Ethylbenzene	0.00500	U	0.00670	0.00716	134	143	1	30.0-155			6.64	27
2-Hexanone	0.0250	U	0.0312	0.0327	125	131	1	21.0-160			4.69	29
Isopropylbenzene	0.00500	0.00213	0.00710	0.00759	99.4	109	1	28.0-157			6.67	27
p-Isopropyltoluene	0.00500	U	0.00585	0.00623	117	125	1	30.0-154			6.29	29
2-Butanone (MEK)	0.0250	U	0.0254	0.0260	102	104	1	10.0-160			2.33	32
Methylene Chloride	0.00500	U	0.00436	0.00457	87.2	91.4	1	23.0-144			4.70	28
4-Methyl-2-pentanone (MIBK)	0.0250	U	0.0269	0.0277	108	111	1	29.0-160			2.93	29
Methyl tert-butyl ether	0.00500	U	0.00466	0.00470	93.2	94.0	1	28.0-150			0.855	29
Naphthalene	0.00500	U	0.00539	0.00578	108	116	1	12.0-156			6.98	35
n-Propylbenzene	0.00500	U	0.00562	0.00591	112	118	1	31.0-154			5.03	28
Styrene	0.00500	U	0.00520	0.00541	104	108	1	33.0-155			3.96	28
1,1,1,2-Tetrachloroethane	0.00500	U	0.00561	0.00590	112	118	1	36.0-151			5.04	29
1,1,2,2-Tetrachloroethane	0.00500	U	0.00413	0.00424	82.6	84.8	1	33.0-150			2.63	28
Tetrachloroethene	0.00500	U	0.00682	0.00742	136	148	1	10.0-160			8.43	27
Toluene	0.00500	U	0.00515	0.00545	103	109	1	26.0-154			5.66	28
1,1,1-Trichloroethane	0.00500	U	0.00487	0.00510	97.4	102	1	23.0-160			4.61	28
1,1,2-Trichloroethane	0.00500	U	0.00563	0.00602	113	120	1	35.0-147			6.70	27
Trichloroethene	0.00500	U	0.00664	0.00682	133	136	1	10.0-160			2.67	25
1,2,4-Trimethylbenzene	0.00500	U	0.00477	0.00499	95.4	99.8	1	26.0-154			4.51	27
1,3,5-Trimethylbenzene	0.00500	U	0.00428	0.00454	85.6	90.8	1	28.0-153			5.90	27
Vinyl chloride	0.00500	U	0.00575	0.00589	115	118	1	10.0-160			2.41	27
Xylenes, Total	0.0150	U	0.0175	0.0186	117	124	1	29.0-154			6.09	28
o-Xylene	0.00500	U	0.00602	0.00633	120	127	1	45.0-144			5.02	26

L1231158-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231158-17 06/23/20 06:51 • (MS) R3543542-2 06/23/20 08:50 • (MSD) R3543542-3 06/23/20 09:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
m&p-Xylenes	0.0100	U	0.0115	0.0123	115	123	1	43.0-146			6.72	26
(S) Toluene-d8					*113*	*116*		*80.0-120*				
(S) 4-Bromofluorobenzene					*101*	*105*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*101*	*102*		*70.0-130*				

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3543958-3 06/28/20 05:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Methyl tert-butyl ether	U		0.000101	0.00100
(S) Toluene-d8	*113*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*

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

(LCS) R3543958-1 06/28/20 04:25 • (LCSD) R3543958-2 06/28/20 04:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	0.00500	0.00365	0.00374	73.0	74.8	68.0-125			2.44	20
(S) Toluene-d8				*106*	*107*	*80.0-120*				
(S) 4-Bromofluorobenzene				*100*	*96.9*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*96.0*	*95.3*	*70.0-130*				

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

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3543222-1 06/26/20 01:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*72.5*			*31.0-160*

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

(LCS) R3543222-2 06/26/20 02:24 • (LCSD) R3543222-3 06/26/20 02:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.36	1.41	90.7	94.0	50.0-150			3.61	20
(S) o-Terphenyl				*91.5*	*95.0*	*31.0-160*				

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.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* 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 National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
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	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

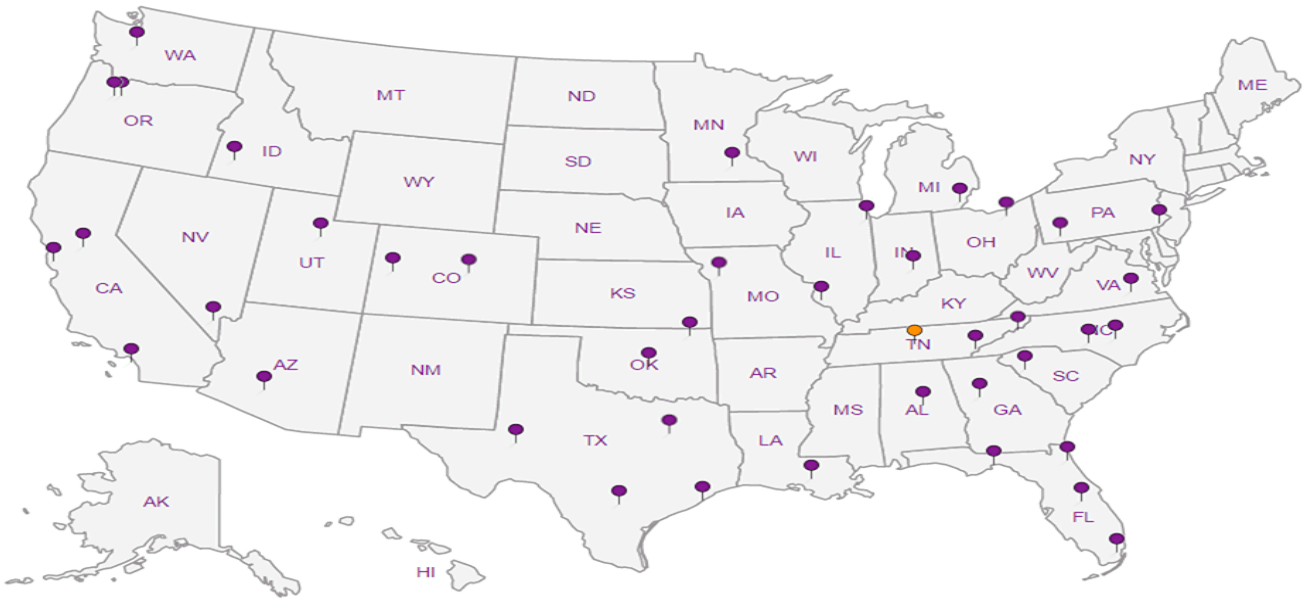
Third Party Federal Accreditations

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



DAY 2 ACJ

TRC Solutions - Austin, TX
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Austin, TX 78752

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Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **TMD Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-TMD**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **TMD (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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 2

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Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # 723155
J122

Acctnum: TRCATX
Template: T133687
Prelogin: P763444
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-25	Grab	GW		6/17/20	910	8	X	X		X	X	X						01
MW-20	Grab	GW		6/17/20	1235	8	X	X		X	X	X						02
NP-1	Grab	GW		6/17/20	940	5	X				X	X						03
MW-8	Grab	GW		6/17/20	1130	10	X	X	X	X	X	X						04
MW-21	Grab	GW		6/17/20	1035	10	X	X	X	X	X	X						05
MW-71	Grab	GW		6/17/20	1415	9	X	X			X	X	X	X				06
MW-68	Grab	GW		6/17/20	940	8	X	X		X	X	X						07
MW-27	Grab	GW		6/17/20	1325	8	X	X		X	X	X						08
MW-89	Grab	GW		6/17/20	1040	8	X	X		X	X	X						09
MW-16	Grab	GW		6/17/20	1135	8	X	X		X	X	X						10

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TSR
Scott Ude	6/17/20	1700		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.7 °C Bottles Received: 98
				5-1=4
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/19/20 Time: 845

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **TMD Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-TMD**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **TMD (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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 2 of 2

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 173155

Table #

Acctnum: TRCATX

Template: T133687

Prelogin: P763444

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-26	Grab	GW		6/17/20	1230	8	X	X		X	X	X						11
MW-46R	Grab	GW		6/17/20	1345	8	X	X		X	X	X						12
TRIP BLANK-TMD-01	Grab	GW		6/17/20	—	1	X											13

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

Remarks:
Dissolved metals field-filtered.

pH _____ Temp _____

Flow _____ Other _____

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

Samples returned via: ___ UPS ✓ FedEx ___ Courier ___

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
Scott Ude	6/17/20	1700		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.3 °C Bottles Received: 18
				.5.E.4
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/17/20 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF Ok

Released to Imaging: 11/22/2022 9:50:00 AM
Received by OCD: 11/22/2022 9:46:04 AM

Fed Ex Tracking #:	Corresponding temp	
1663 5756 9467	4.1 - 0.1 = 4.0	HM A7
1676 2755 8222	0.9 - .1 = 0.8	
1663 5756 9732	0.4 - .1 = 0.3	
9489	1.3 + .1 = 1.4	MP A3
1676 2755 8233	0.5 - .1 = 0.4	HM A7
1663 5756 9835	1.1 + .1 = 1.2	MP A3
9412	1.9 - .1 = 1.8	HM A7
9490	1.1 - .1 = 1.0	
1676 2755 8211	1.2 - .1 = 1.1	
1203 5745 6051	1.5 - .1 = 1.4	
1663 5756 1054	1.5 - .1 = 1.4	
1087	1.7 - .1 = 1.6	
1043	0.8 - .1 = 0.7	
1065	0.3 - .1 = 0.2	
1076	1.0 - .1 = 0.9	
9478	3.7 - .1 = 3.6	
9721	0.3 - .1 = 0.2	
9798	1.2 - .1 = 1.1	
4492 6230 1294	1.5 - .1 = 1.4	
1203 5785 6040	1.1 - .1 = 1.0	
1663 5756 9423	1.5 - .1 = 1.4	
No Tracking #	1.6 - .1 = 1.5	KI A7

ANALYTICAL REPORT

February 02, 2021

Revised Report

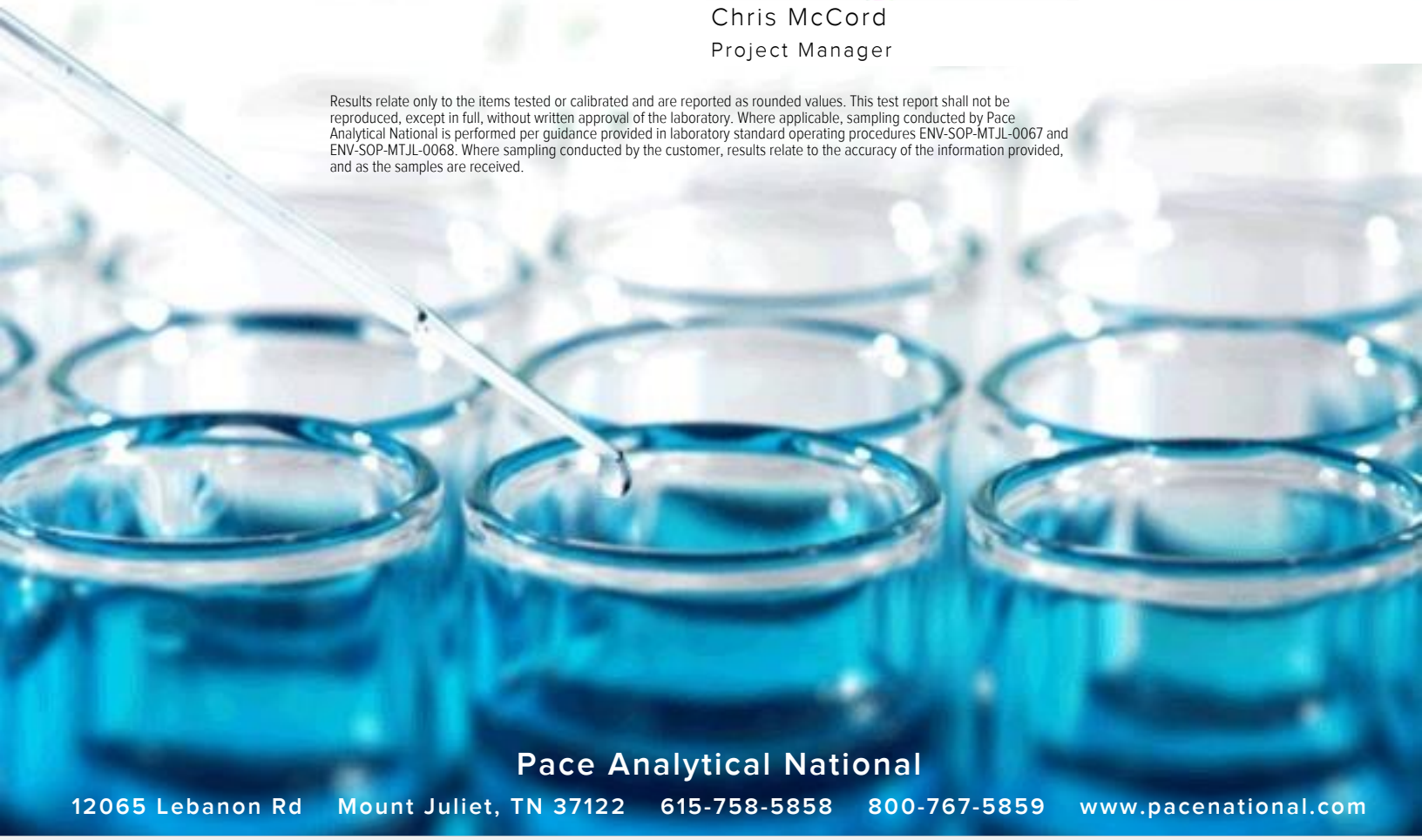
TRC Solutions - Austin, TX

Sample Delivery Group:	L1231207
Samples Received:	06/19/2020
Project Number:	330538.0000.0000
Description:	EP Spring 2020
Site:	EP NAVAJO-ARTESIA
Report To:	Julie Speer 505 E. Huntland Dr, Ste 250 Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

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



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

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MW-86 L1231207-01 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 14:15
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499271	20	06/30/20 17:40	06/30/20 17:40	BAM	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG1499866	50	06/27/20 14:03	06/27/20 16:20	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	1	06/27/20 10:56	06/27/20 10:56	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/27/20 11:13	06/27/20 11:13	GB	Mt. Juliet, TN
Mercury by Method 7470A	WG1496612	1	06/23/20 20:00	06/24/20 09:00	ABL	Mt. Juliet, TN
Mercury by Method 7470A	WG1496616	1	06/23/20 20:00	06/24/20 12:21	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498721	1	06/26/20 07:35	06/26/20 12:16	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1498741	1	06/25/20 17:22	06/26/20 06:14	TRB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498730	1	06/26/20 05:09	06/26/20 13:14	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498730	1	06/26/20 05:09	06/26/20 14:47	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/27/20 22:03	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1500247	50	06/27/20 17:52	06/27/20 17:52	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497524	20	06/23/20 20:27	06/23/20 20:27	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497084	20	06/23/20 15:44	06/27/20 04:50	KME	Mt. Juliet, TN

MW-84 L1231207-02 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 13:30
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499271	1	06/30/20 17:23	06/30/20 17:23	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	10	06/27/20 11:31	06/27/20 11:31	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/27/20 11:49	06/27/20 11:49	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 18:20	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/27/20 22:06	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	5	06/26/20 13:45	06/29/20 01:53	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499250	10	06/26/20 09:05	06/26/20 09:05	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497524	5	06/23/20 19:23	06/23/20 19:23	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	20	06/23/20 15:59	06/26/20 06:01	JDG	Mt. Juliet, TN

MW-122 L1231207-03 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 09:40
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498151	1	06/24/20 19:33	06/25/20 00:47	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499271	1	06/30/20 17:25	06/30/20 17:25	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	1	06/27/20 12:07	06/27/20 12:07	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/27/20 12:25	06/27/20 12:25	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 17:06	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/27/20 21:22	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	5	06/26/20 13:45	06/29/20 01:57	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1500247	50	06/27/20 18:12	06/27/20 18:12	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497524	1	06/23/20 18:03	06/23/20 18:03	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	1	06/23/20 15:59	06/26/20 00:37	JDG	Mt. Juliet, TN

MW-81 L1231207-04 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 10:25
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499271	1	06/30/20 17:26	06/30/20 17:26	BAM	Mt. Juliet, TN

MW-81 L1231207-04 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 10:25
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1498053	1	06/27/20 12:43	06/27/20 12:43	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/27/20 13:01	06/27/20 13:01	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 17:09	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/27/20 22:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499250	1	06/26/20 05:16	06/26/20 05:16	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497524	1	06/23/20 18:23	06/23/20 18:23	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	1	06/23/20 15:59	06/26/20 00:57	JDG	Mt. Juliet, TN

MW-80 L1231207-05 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 11:10
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499271	1	06/30/20 17:27	06/30/20 17:27	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	1	06/27/20 13:55	06/27/20 13:55	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/27/20 14:13	06/27/20 14:13	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 17:13	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/27/20 22:14	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1500247	1	06/27/20 17:31	06/27/20 17:31	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497524	1	06/23/20 18:43	06/23/20 18:43	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	1	06/23/20 15:59	06/26/20 01:18	JDG	Mt. Juliet, TN

MW-79 L1231207-06 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 11:55
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:51	06/29/20 20:51	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	10	06/27/20 15:06	06/27/20 15:06	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/27/20 15:24	06/27/20 15:24	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 17:17	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/27/20 22:17	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	5	06/26/20 13:45	06/29/20 02:00	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499250	1	06/26/20 06:01	06/26/20 06:01	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497524	1	06/23/20 19:03	06/23/20 19:03	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	1	06/23/20 15:59	06/26/20 01:38	JDG	Mt. Juliet, TN

MW-82 L1231207-07 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 12:45
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:01	06/29/20 20:01	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/27/20 15:42	06/27/20 15:42	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 17:33	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/27/20 22:21	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	5	06/26/20 13:45	06/29/20 02:04	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499250	1	06/26/20 06:24	06/26/20 06:24	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 01:59	06/24/20 01:59	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499413	1	06/26/20 03:17	06/26/20 03:17	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	1	06/23/20 15:59	06/26/20 01:59	JDG	Mt. Juliet, TN

MW-2A L1231207-08 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/17/20 08:55	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:02	06/29/20 20:02	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/27/20 16:39	06/27/20 16:39	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	5	06/27/20 16:22	06/27/20 16:22	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 17:37	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/27/20 22:25	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499250	1	06/26/20 06:47	06/26/20 06:47	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 02:23	06/24/20 02:23	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499413	1	06/26/20 03:37	06/26/20 03:37	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	1	06/23/20 15:59	06/26/20 02:19	JDG	Mt. Juliet, TN

MW-76 L1231207-09 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/17/20 13:25	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:03	06/29/20 20:03	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/27/20 17:51	06/27/20 17:51	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	5	06/27/20 17:33	06/27/20 17:33	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 17:40	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/27/20 22:36	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/29/20 04:21	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	5	06/26/20 13:45	06/29/20 02:07	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499250	1	06/26/20 07:10	06/26/20 07:10	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 02:46	06/24/20 02:46	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	20	06/23/20 15:59	06/29/20 08:31	CAG	Mt. Juliet, TN

MW-77 L1231207-10 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/17/20 14:10	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:04	06/29/20 20:04	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	1	06/27/20 18:09	06/27/20 18:09	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	10	06/27/20 18:27	06/27/20 18:27	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/27/20 18:45	06/27/20 18:45	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 18:24	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/27/20 22:39	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/29/20 04:25	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	5	06/26/20 13:45	06/29/20 02:10	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499250	50	06/26/20 10:13	06/26/20 10:13	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499327	25	06/26/20 03:47	06/26/20 03:47	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	20	06/23/20 15:59	06/26/20 06:41	JDG	Mt. Juliet, TN

MW-78 L1231207-11 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/17/20 14:55	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:06	06/29/20 20:06	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	1	06/27/20 19:02	06/27/20 19:02	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	50	06/27/20 19:38	06/27/20 19:38	GB	Mt. Juliet, TN

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

MW-78 L1231207-11 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 14:55 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 18:27	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/27/20 22:43	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/29/20 04:28	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/29/20 11:46	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1500247	50	06/27/20 18:33	06/27/20 18:33	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 09:37	06/24/20 09:37	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499413	1	06/26/20 03:58	06/26/20 03:58	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	20	06/23/20 15:59	06/26/20 07:01	JDG	Mt. Juliet, TN

MW-75 L1231207-12 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 15:40 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:11	06/29/20 20:11	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	10	06/27/20 20:50	06/27/20 20:50	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/27/20 21:08	06/27/20 21:08	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 17:44	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/27/20 22:47	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/29/20 04:31	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	5	06/26/20 13:45	06/29/20 02:14	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1500247	50	06/27/20 18:53	06/27/20 18:53	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499327	25	06/26/20 04:08	06/26/20 04:08	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	10	06/23/20 15:59	06/26/20 05:41	JDG	Mt. Juliet, TN

MW-83 L1231207-13 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 12:40 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:12	06/29/20 20:12	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/27/20 21:44	06/27/20 21:44	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	5	06/27/20 21:26	06/27/20 21:26	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 17:48	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/27/20 22:51	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/29/20 04:35	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/29/20 11:49	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499250	5	06/26/20 09:50	06/26/20 09:50	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 03:34	06/24/20 03:34	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	1	06/23/20 15:59	06/26/20 02:39	JDG	Mt. Juliet, TN

MW-3 L1231207-14 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 11:40 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:13	06/29/20 20:13	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/27/20 22:20	06/27/20 22:20	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	5	06/27/20 22:02	06/27/20 22:02	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 17:51	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/27/20 22:54	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/29/20 04:38	LAT	Mt. Juliet, TN

MW-3 L1231207-14 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 11:40
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/29/20 11:53	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1500247	50	06/27/20 19:14	06/27/20 19:14	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499327	25	06/26/20 04:29	06/26/20 04:29	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	10	06/23/20 15:59	06/26/20 05:21	JDG	Mt. Juliet, TN

MW-22A L1231207-15 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 10:25
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:17	06/29/20 20:17	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	1	06/27/20 22:37	06/27/20 22:37	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/27/20 23:13	06/27/20 23:13	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 17:55	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/27/20 22:58	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	1	06/26/20 13:45	06/29/20 04:42	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498753	5	06/26/20 13:45	06/29/20 02:17	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499250	1	06/26/20 07:33	06/26/20 07:33	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499413	1	06/26/20 04:19	06/26/20 04:19	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	1	06/23/20 15:59	06/29/20 05:10	CAG	Mt. Juliet, TN

MW-10 L1231207-16 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 09:40
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:18	06/29/20 20:18	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	1	06/28/20 00:07	06/28/20 00:07	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/28/20 00:25	06/28/20 00:25	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 17:59	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	1	06/26/20 12:04	06/27/20 21:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499250	1	06/26/20 07:55	06/26/20 07:55	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 04:52	06/24/20 04:52	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	1	06/23/20 15:59	06/29/20 04:49	CAG	Mt. Juliet, TN

MW-123 L1231207-17 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 06/17/20 08:55
Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:19	06/29/20 20:19	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	1	06/28/20 00:43	06/28/20 00:43	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/28/20 01:01	06/28/20 01:01	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 18:02	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	1	06/26/20 12:04	06/27/20 21:57	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	5	06/26/20 12:04	06/29/20 00:58	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499250	1	06/26/20 08:18	06/26/20 08:18	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 05:16	06/24/20 05:16	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	1	06/23/20 15:59	06/26/20 03:40	JDG	Mt. Juliet, TN

MW-1R L1231207-18 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 10:00 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:21	06/29/20 20:21	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	1	06/28/20 01:19	06/28/20 01:19	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/28/20 01:37	06/28/20 01:37	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 18:31	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	1	06/26/20 12:04	06/27/20 22:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 05:40	06/24/20 05:40	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499413	1	06/26/20 04:39	06/26/20 04:39	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	1	06/23/20 15:59	06/26/20 04:00	JDG	Mt. Juliet, TN

MW-15 L1231207-19 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 10:45 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:22	06/29/20 20:22	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	1	06/28/20 01:55	06/28/20 01:55	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/28/20 02:12	06/28/20 02:12	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 18:35	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	1	06/26/20 12:04	06/27/20 22:04	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499644	1	06/26/20 11:51	06/26/20 11:51	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 06:03	06/24/20 06:03	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499413	1	06/26/20 05:00	06/26/20 05:00	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	1	06/23/20 15:59	06/26/20 04:20	JDG	Mt. Juliet, TN

OCD-1R L1231207-20 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 14:15 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:27	06/29/20 20:27	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	100	06/28/20 02:48	06/28/20 02:48	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498053	5	06/28/20 02:30	06/28/20 02:30	GB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 18:38	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	1	06/26/20 12:04	06/27/20 22:07	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	5	06/26/20 12:04	06/29/20 00:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499644	1	06/26/20 12:13	06/26/20 12:13	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 06:27	06/24/20 06:27	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499413	1	06/26/20 05:21	06/26/20 05:21	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	1	06/23/20 15:59	06/26/20 04:40	JDG	Mt. Juliet, TN

OCD-2A L1231207-21 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 13:25 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:28	06/29/20 20:28	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 08:29	06/26/20 08:29	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 08:46	06/26/20 08:46	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498732	1	06/26/20 12:45	06/27/20 16:51	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	1	06/26/20 12:04	06/27/20 22:18	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499644	1	06/26/20 12:35	06/26/20 12:35	JHH	Mt. Juliet, TN

OCD-2A L1231207-21 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/17/20 13:25	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 06:51	06/24/20 06:51	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499413	1	06/26/20 05:42	06/26/20 05:42	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497647	1	06/23/20 15:59	06/26/20 05:00	JDG	Mt. Juliet, TN

OCD-3 L1231207-22 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/17/20 11:45	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:31	06/29/20 20:31	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 09:03	06/26/20 09:03	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	50	06/26/20 09:20	06/26/20 09:20	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498733	1	06/26/20 09:46	06/26/20 18:26	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	1	06/26/20 12:04	06/27/20 22:21	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499644	1	06/26/20 12:57	06/26/20 12:57	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 07:15	06/24/20 07:15	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497648	1	06/23/20 20:51	06/28/20 11:46	CAG	Mt. Juliet, TN

OCD-4 L1231207-23 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/17/20 10:55	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498149	1	06/24/20 18:51	06/25/20 00:16	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:32	06/29/20 20:32	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 09:36	06/26/20 09:36	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 17:25	06/26/20 17:25	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498733	1	06/26/20 09:46	06/26/20 18:29	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	1	06/26/20 12:04	06/27/20 22:25	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	5	06/26/20 12:04	06/29/20 00:36	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499644	1	06/26/20 13:20	06/26/20 13:20	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 07:38	06/24/20 07:38	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499413	1	06/26/20 06:02	06/26/20 06:02	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497648	1	06/23/20 20:51	06/28/20 12:08	CAG	Mt. Juliet, TN

MW-11A L1231207-24 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	06/17/20 12:35	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498158	1	06/24/20 23:27	06/24/20 23:51	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:33	06/29/20 20:33	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 10:10	06/26/20 10:10	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 10:27	06/26/20 10:27	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498733	1	06/26/20 09:46	06/26/20 18:33	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	1	06/26/20 12:04	06/27/20 22:28	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	5	06/26/20 12:04	06/29/20 00:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499644	1	06/26/20 13:42	06/26/20 13:42	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 08:02	06/24/20 08:02	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1499413	1	06/26/20 06:23	06/26/20 06:23	KMC	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497648	1	06/23/20 20:51	06/28/20 12:31	CAG	Mt. Juliet, TN

OCD-5 L1231207-25 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 10:10 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498158	1	06/24/20 23:27	06/24/20 23:51	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499272	1	06/29/20 20:34	06/29/20 20:34	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 10:44	06/26/20 10:44	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 11:01	06/26/20 11:01	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498733	1	06/26/20 09:46	06/26/20 18:36	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	1	06/26/20 12:04	06/27/20 22:31	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	5	06/26/20 12:04	06/29/20 00:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499644	1	06/26/20 14:04	06/26/20 14:04	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 08:26	06/24/20 08:26	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497648	5	06/23/20 20:51	06/29/20 13:00	TJD	Mt. Juliet, TN

DUP-EP-02 L1231207-26 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 10:00 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498158	1	06/24/20 23:27	06/24/20 23:51	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499273	1	06/29/20 17:48	06/29/20 17:48	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 11:52	06/26/20 11:52	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 12:09	06/26/20 12:09	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498733	1	06/26/20 09:46	06/26/20 19:10	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	1	06/26/20 12:04	06/27/20 22:35	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	5	06/26/20 12:04	06/29/20 00:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499644	1	06/26/20 14:26	06/26/20 14:26	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497747	1	06/24/20 08:50	06/24/20 08:50	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497648	1	06/23/20 20:51	06/28/20 22:38	CAG	Mt. Juliet, TN

DUP-EP-03 L1231207-27 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 11:00 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498158	1	06/24/20 23:27	06/24/20 23:51	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499273	1	06/29/20 17:51	06/29/20 17:51	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 12:26	06/26/20 12:26	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	100	06/26/20 12:59	06/26/20 12:59	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498733	1	06/26/20 09:46	06/26/20 19:14	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	1	06/26/20 12:04	06/27/20 22:38	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499644	1	06/26/20 14:48	06/26/20 14:48	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1498067	1	06/24/20 15:07	06/24/20 15:07	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497648	5	06/23/20 20:51	06/29/20 13:23	TJD	Mt. Juliet, TN

EB-EP-04 L1231207-28 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 06/17/20 12:10 | Received date/time: 06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1498158	1	06/24/20 23:27	06/24/20 23:51	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1499273	1	06/29/20 17:52	06/29/20 17:52	BAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1498060	1	06/26/20 16:51	06/26/20 16:51	ELN	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498733	1	06/26/20 09:46	06/26/20 19:17	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1498754	1	06/26/20 12:04	06/27/20 22:42	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1499644	1	06/26/20 11:29	06/26/20 11:29	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497977	1	06/24/20 08:40	06/24/20 08:40	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1497648	1	06/23/20 20:51	06/28/20 12:53	CAG	Mt. Juliet, TN

TRIP BLANK-EP-03 L1231207-29 GW

			Collected by	Collected date/time	Received date/time
			Scott Ude / HMI Team	06/17/20 00:00	06/19/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1497977	1	06/24/20 07:58	06/24/20 07:58	JAH	Mt. Juliet, TN

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.



Chris McCord
Project Manager

Report Revision History

Level II Report - Version 1: 07/06/20 18:09

Received by OCD: 11/22/2022 9:46:04 AM

MW-06
Collected date/time: 06/17/20 14:15

SAMPLE RESULTS - 01

L1231207

ONE LAB. NATIONWIDE.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	8130		28.2	100	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		1.00	2.00	20	06/30/2020 17:40	WG1499271

Sample Narrative:

L1231207-01 WG1499271: Dilution due to sulfide hit

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.0900	0.250	50	06/27/2020 16:20	WG1499866

Sample Narrative:

L1231207-01 WG1499866: Dilution due to sulfide hit

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	555		37.9	100	100	06/27/2020 11:13	WG1498053
Fluoride	8.20		0.0640	0.150	1	06/27/2020 10:56	WG1498053
Sulfate	4170		59.4	500	100	06/27/2020 11:13	WG1498053

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	06/24/2020 09:00	WG1496612
Mercury,Dissolved	0.000109	J	0.000100	0.000200	1	06/24/2020 12:21	WG1496616

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.626		0.0254	0.200	1	06/26/2020 06:14	WG1498741
Boron,Dissolved	0.617		0.0254	0.200	1	06/26/2020 12:16	WG1498721

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.104		0.000735	0.00200	1	06/27/2020 22:03	WG1498753
Arsenic,Dissolved	0.102		0.000735	0.00200	1	06/26/2020 13:14	WG1498730
Barium	0.0255		0.00778	0.0200	1	06/27/2020 22:03	WG1498753
Barium,Dissolved	0.0223		0.00778	0.0200	1	06/26/2020 13:14	WG1498730
Cadmium	U		0.000478	0.00100	1	06/27/2020 22:03	WG1498753
Cadmium,Dissolved	U		0.000478	0.00100	1	06/26/2020 13:14	WG1498730
Calcium	544		0.480	1.00	1	06/27/2020 22:03	WG1498753
Chromium	0.0552		0.00149	0.00200	1	06/27/2020 22:03	WG1498753
Chromium,Dissolved	0.0508		0.00149	0.00200	1	06/26/2020 13:14	WG1498730
Cobalt	0.000506	J	0.000477	0.00200	1	06/27/2020 22:03	WG1498753
Cobalt,Dissolved	U		0.000477	0.00200	1	06/26/2020 13:14	WG1498730
Iron	4.20		0.0489	0.100	1	06/27/2020 22:03	WG1498753
Iron,Dissolved	0.944		0.0489	0.100	1	06/26/2020 13:14	WG1498730

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead	U		0.00249	0.00500	1	06/27/2020 22:03	WG1498753
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 13:14	WG1498730
Manganese	0.158		0.00132	0.00500	1	06/27/2020 22:03	WG1498753
Manganese,Dissolved	0.155		0.00132	0.00500	1	06/26/2020 13:14	WG1498730
Nickel	0.00828		0.000952	0.00200	1	06/27/2020 22:03	WG1498753
Nickel,Dissolved	0.00699		0.000952	0.00200	1	06/26/2020 14:47	WG1498730
Potassium	8.40		0.534	2.00	1	06/27/2020 22:03	WG1498753
Selenium	0.00715		0.000657	0.00200	1	06/27/2020 22:03	WG1498753
Selenium,Dissolved	0.00794		0.000657	0.00200	1	06/26/2020 13:14	WG1498730
Sodium	806		0.630	2.00	1	06/27/2020 22:03	WG1498753
Uranium	U		0.00754	0.0200	1	06/27/2020 22:03	WG1498753
Uranium,Dissolved	U		0.00754	0.0200	1	06/26/2020 13:14	WG1498730
Vanadium	0.0220		0.000986	0.00500	1	06/27/2020 22:03	WG1498753
Vanadium,Dissolved	0.0206		0.000986	0.00500	1	06/26/2020 13:14	WG1498730

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.77	J	1.57	5.00	50	06/27/2020 17:52	WG1500247
(S) a,a,a-Trifluorotoluene(FID)	*91.1*			*78.0-120*		*06/27/2020 17:52*	WG1500247

Sample Narrative:

L1231207-01 WG1500247: Lowest possible dilution due to sample foaming.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	06/23/2020 20:27	WG1497524
Benzene	0.0242		0.00188	0.0200	20	06/23/2020 20:27	WG1497524
Bromodichloromethane	U		0.00272	0.0200	20	06/23/2020 20:27	WG1497524
Bromoform	U		0.00258	0.0200	20	06/23/2020 20:27	WG1497524
Bromomethane	U		0.0121	0.100	20	06/23/2020 20:27	WG1497524
n-Butylbenzene	U		0.00314	0.0200	20	06/23/2020 20:27	WG1497524
sec-Butylbenzene	U		0.00250	0.0200	20	06/23/2020 20:27	WG1497524
Carbon disulfide	0.00254	J	0.00192	0.0200	20	06/23/2020 20:27	WG1497524
Carbon tetrachloride	U		0.00256	0.0200	20	06/23/2020 20:27	WG1497524
Chlorobenzene	U	J4	0.00232	0.0200	20	06/23/2020 20:27	WG1497524
Chlorodibromomethane	U		0.00280	0.0200	20	06/23/2020 20:27	WG1497524
Chloroethane	U		0.00384	0.100	20	06/23/2020 20:27	WG1497524
Chloroform	U		0.00222	0.100	20	06/23/2020 20:27	WG1497524
Chloromethane	U		0.0192	0.0500	20	06/23/2020 20:27	WG1497524
1,2-Dibromoethane	U		0.00252	0.0200	20	06/23/2020 20:27	WG1497524
1,1-Dichloroethane	U		0.00200	0.0200	20	06/23/2020 20:27	WG1497524
1,2-Dichloroethane	U		0.00164	0.0200	20	06/23/2020 20:27	WG1497524
1,1-Dichloroethene	U		0.00376	0.0200	20	06/23/2020 20:27	WG1497524
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	06/23/2020 20:27	WG1497524
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	06/23/2020 20:27	WG1497524
1,2-Dichloropropane	U		0.00298	0.0200	20	06/23/2020 20:27	WG1497524
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	06/23/2020 20:27	WG1497524
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	06/23/2020 20:27	WG1497524
Ethylbenzene	0.0199	J	0.00274	0.0200	20	06/23/2020 20:27	WG1497524
Isopropylbenzene	0.00509	J	0.00210	0.0200	20	06/23/2020 20:27	WG1497524
p-Isopropyltoluene	U		0.00240	0.0200	20	06/23/2020 20:27	WG1497524
2-Butanone (MEK)	U		0.0238	0.200	20	06/23/2020 20:27	WG1497524
2-Hexanone	U		0.0157	0.200	20	06/23/2020 20:27	WG1497524

Received by OCD: 11/22/2022 9:46:04 AM

MW-60

Collected date/time: 06/17/20 14:15

SAMPLE RESULTS - 01

L1231207

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.00860	0.100	20	06/23/2020 20:27	WG1497524
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	06/23/2020 20:27	WG1497524
Methyl tert-butyl ether	U		0.00202	0.0200	20	06/23/2020 20:27	WG1497524
Naphthalene	U		0.0200	0.100	20	06/23/2020 20:27	WG1497524
n-Propylbenzene	0.00566	J	0.00199	0.0200	20	06/23/2020 20:27	WG1497524
Styrene	U		0.00236	0.0200	20	06/23/2020 20:27	WG1497524
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	06/23/2020 20:27	WG1497524
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	06/23/2020 20:27	WG1497524
Tetrachloroethene	U	J4	0.00600	0.0200	20	06/23/2020 20:27	WG1497524
Toluene	0.0345		0.00556	0.0200	20	06/23/2020 20:27	WG1497524
1,1,1-Trichloroethane	U		0.00298	0.0200	20	06/23/2020 20:27	WG1497524
1,1,2-Trichloroethane	U		0.00316	0.0200	20	06/23/2020 20:27	WG1497524
Trichloroethene	U		0.00380	0.0200	20	06/23/2020 20:27	WG1497524
1,2,4-Trimethylbenzene	0.0200		0.00644	0.0200	20	06/23/2020 20:27	WG1497524
1,3,5-Trimethylbenzene	0.00605	J	0.00208	0.0200	20	06/23/2020 20:27	WG1497524
Vinyl chloride	U		0.00468	0.0200	20	06/23/2020 20:27	WG1497524
o-Xylene	0.0216		0.00348	0.0200	20	06/23/2020 20:27	WG1497524
m&p-Xylene	0.0267	J	0.00860	0.0400	20	06/23/2020 20:27	WG1497524
Xylenes, Total	0.0483	J	0.00348	0.0600	20	06/23/2020 20:27	WG1497524
(S) Toluene-d8	*108*			*80.0-120*		*06/23/2020 20:27*	WG1497524
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/23/2020 20:27*	WG1497524
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/23/2020 20:27*	WG1497524

Sample Narrative:

L1231207-01 WG1497524: Lowest possible dilution due to sample foaming.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	93.9		0.494	2.00	20	06/27/2020 04:50	WG1497084
(S) o-Terphenyl	*0.000*	J7		*31.0-160*		*06/27/2020 04:50*	WG1497084

Sample Narrative:

L1231207-01 WG1497084: Surrogate failure due to matrix interference

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	9700		56.4	200	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/30/2020 17:23	WG1499271

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1480		37.9	100	100	06/27/2020 11:49	WG1498053
Fluoride	6.24		0.640	1.50	10	06/27/2020 11:31	WG1498053
Sulfate	4710		59.4	500	100	06/27/2020 11:49	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.147		0.000735	0.00200	1	06/27/2020 22:06	WG1498753
Arsenic,Dissolved	0.144		0.000735	0.00200	1	06/27/2020 18:20	WG1498732
Barium	0.0137	J	0.00778	0.0200	1	06/27/2020 22:06	WG1498753
Barium,Dissolved	0.0129	J	0.00778	0.0200	1	06/27/2020 18:20	WG1498732
Calcium	568		0.480	1.00	1	06/27/2020 22:06	WG1498753
Chromium	0.00570		0.00149	0.00200	1	06/27/2020 22:06	WG1498753
Chromium,Dissolved	0.00557		0.00149	0.00200	1	06/27/2020 18:20	WG1498732
Iron	5.90		0.0489	0.100	1	06/27/2020 22:06	WG1498753
Iron,Dissolved	5.90		0.0489	0.100	1	06/27/2020 18:20	WG1498732
Lead	U		0.00249	0.00500	1	06/27/2020 22:06	WG1498753
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 18:20	WG1498732
Manganese	2.54		0.00132	0.00500	1	06/27/2020 22:06	WG1498753
Manganese,Dissolved	2.52		0.00132	0.00500	1	06/27/2020 18:20	WG1498732
Potassium	7.06		0.534	2.00	1	06/27/2020 22:06	WG1498753
Selenium	0.00751		0.000657	0.00200	1	06/27/2020 22:06	WG1498753
Selenium,Dissolved	0.00816		0.000657	0.00200	1	06/27/2020 18:20	WG1498732
Sodium	1400		3.15	10.0	5	06/29/2020 01:53	WG1498753

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.45		0.314	1.00	10	06/26/2020 09:05	WG1499250
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*06/26/2020 09:05*	WG1499250

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0565	0.250	5	06/23/2020 19:23	WG1497524
Benzene	U		0.000471	0.00500	5	06/23/2020 19:23	WG1497524
Bromodichloromethane	U		0.000680	0.00500	5	06/23/2020 19:23	WG1497524
Bromoform	U		0.000645	0.00500	5	06/23/2020 19:23	WG1497524
Bromomethane	U		0.00303	0.0250	5	06/23/2020 19:23	WG1497524
n-Butylbenzene	U		0.000785	0.00500	5	06/23/2020 19:23	WG1497524
sec-Butylbenzene	U		0.000625	0.00500	5	06/23/2020 19:23	WG1497524
Carbon disulfide	U		0.000481	0.00500	5	06/23/2020 19:23	WG1497524
Carbon tetrachloride	U		0.000640	0.00500	5	06/23/2020 19:23	WG1497524

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U	J4	0.000580	0.00500	5	06/23/2020 19:23	WG1497524
Chlorodibromomethane	U		0.000700	0.00500	5	06/23/2020 19:23	WG1497524
Chloroethane	U		0.000960	0.0250	5	06/23/2020 19:23	WG1497524
Chloroform	U		0.000555	0.0250	5	06/23/2020 19:23	WG1497524
Chloromethane	U		0.00480	0.0125	5	06/23/2020 19:23	WG1497524
1,2-Dibromoethane	U		0.000630	0.00500	5	06/23/2020 19:23	WG1497524
1,1-Dichloroethane	U		0.000500	0.00500	5	06/23/2020 19:23	WG1497524
1,2-Dichloroethane	U		0.000409	0.00500	5	06/23/2020 19:23	WG1497524
1,1-Dichloroethene	U		0.000940	0.00500	5	06/23/2020 19:23	WG1497524
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	06/23/2020 19:23	WG1497524
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	06/23/2020 19:23	WG1497524
1,2-Dichloropropane	U		0.000745	0.00500	5	06/23/2020 19:23	WG1497524
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	06/23/2020 19:23	WG1497524
trans-1,3-Dichloropropene	U		0.000590	0.00500	5	06/23/2020 19:23	WG1497524
Ethylbenzene	U		0.000685	0.00500	5	06/23/2020 19:23	WG1497524
Isopropylbenzene	0.000576	J	0.000525	0.00500	5	06/23/2020 19:23	WG1497524
p-Isopropyltoluene	U		0.000600	0.00500	5	06/23/2020 19:23	WG1497524
2-Butanone (MEK)	U		0.00595	0.0500	5	06/23/2020 19:23	WG1497524
2-Hexanone	U		0.00394	0.0500	5	06/23/2020 19:23	WG1497524
Methylene Chloride	U		0.00215	0.0250	5	06/23/2020 19:23	WG1497524
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	06/23/2020 19:23	WG1497524
Methyl tert-butyl ether	0.00112	J	0.000505	0.00500	5	06/23/2020 19:23	WG1497524
Naphthalene	U		0.00500	0.0250	5	06/23/2020 19:23	WG1497524
n-Propylbenzene	U		0.000497	0.00500	5	06/23/2020 19:23	WG1497524
Styrene	U		0.000590	0.00500	5	06/23/2020 19:23	WG1497524
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	06/23/2020 19:23	WG1497524
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	06/23/2020 19:23	WG1497524
Tetrachloroethene	U	J4	0.00150	0.00500	5	06/23/2020 19:23	WG1497524
Toluene	U		0.00139	0.00500	5	06/23/2020 19:23	WG1497524
1,1,1-Trichloroethane	U		0.000745	0.00500	5	06/23/2020 19:23	WG1497524
1,1,2-Trichloroethane	U		0.000790	0.00500	5	06/23/2020 19:23	WG1497524
Trichloroethene	U		0.000950	0.00500	5	06/23/2020 19:23	WG1497524
1,2,4-Trimethylbenzene	U		0.00161	0.00500	5	06/23/2020 19:23	WG1497524
1,3,5-Trimethylbenzene	U		0.000520	0.00500	5	06/23/2020 19:23	WG1497524
Vinyl chloride	U		0.00117	0.00500	5	06/23/2020 19:23	WG1497524
o-Xylene	U		0.000870	0.00500	5	06/23/2020 19:23	WG1497524
m&p-Xylene	U		0.00215	0.0100	5	06/23/2020 19:23	WG1497524
Xylenes, Total	U		0.000870	0.0150	5	06/23/2020 19:23	WG1497524
(S) Toluene-d8	*111*			*80.0-120*		*06/23/2020 19:23*	WG1497524
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*06/23/2020 19:23*	WG1497524
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/23/2020 19:23*	WG1497524

Sample Narrative:

L1231207-02 WG1497524: Lowest possible dilution due to sample foaming.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	58.9		0.494	2.00	20	06/26/2020 06:01	WG1497647
(S) o-Terphenyl	*0.000*	J7		*31.0-160*		*06/26/2020 06:01*	WG1497647

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	6070		28.2	100	1	06/25/2020 00:47	WG1498151

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/30/2020 17:25	WG1499271

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1470		37.9	100	100	06/27/2020 12:25	WG1498053
Fluoride	2.58		0.0640	0.150	1	06/27/2020 12:07	WG1498053
Sulfate	2450		59.4	500	100	06/27/2020 12:25	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00412		0.000735	0.00200	1	06/27/2020 21:22	WG1498753
Arsenic,Dissolved	0.00365		0.000735	0.00200	1	06/27/2020 17:06	WG1498732
Barium	0.0194	J	0.00778	0.0200	1	06/27/2020 21:22	WG1498753
Barium,Dissolved	0.0194	J	0.00778	0.0200	1	06/27/2020 17:06	WG1498732
Calcium	413		0.480	1.00	1	06/27/2020 21:22	WG1498753
Chromium	U		0.00149	0.00200	1	06/27/2020 21:22	WG1498753
Chromium,Dissolved	U		0.00149	0.00200	1	06/27/2020 17:06	WG1498732
Iron	3.11		0.0489	0.100	1	06/27/2020 21:22	WG1498753
Iron,Dissolved	1.85		0.0489	0.100	1	06/27/2020 17:06	WG1498732
Lead	U		0.00249	0.00500	1	06/27/2020 21:22	WG1498753
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 17:06	WG1498732
Manganese	1.02	V	0.00132	0.00500	1	06/27/2020 21:22	WG1498753
Manganese,Dissolved	1.05		0.00132	0.00500	1	06/27/2020 17:06	WG1498732
Potassium	4.03		0.534	2.00	1	06/27/2020 21:22	WG1498753
Selenium	0.000840	J	0.000657	0.00200	1	06/27/2020 21:22	WG1498753
Selenium,Dissolved	U		0.000657	0.00200	1	06/27/2020 17:06	WG1498732
Sodium	1080		3.15	10.0	5	06/29/2020 01:57	WG1498753

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		1.57	5.00	50	06/27/2020 18:12	WG1500247
(S) a,a,a-Trifluorotoluene(FID)	*93.1*			*78.0-120*		*06/27/2020 18:12*	WG1500247

Sample Narrative:

L1231207-03 WG1500247: Lowest possible dilution due to sample foaming.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 18:03	WG1497524
Benzene	U		0.0000941	0.00100	1	06/23/2020 18:03	WG1497524
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 18:03	WG1497524
Bromoform	U		0.000129	0.00100	1	06/23/2020 18:03	WG1497524
Bromomethane	U		0.000605	0.00500	1	06/23/2020 18:03	WG1497524
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 18:03	WG1497524

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 18:03	WG1497524
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 18:03	WG1497524
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 18:03	WG1497524
Chlorobenzene	U	J4	0.000116	0.00100	1	06/23/2020 18:03	WG1497524
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 18:03	WG1497524
Chloroethane	U		0.000192	0.00500	1	06/23/2020 18:03	WG1497524
Chloroform	U		0.000111	0.00500	1	06/23/2020 18:03	WG1497524
Chloromethane	U		0.000960	0.00250	1	06/23/2020 18:03	WG1497524
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 18:03	WG1497524
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 18:03	WG1497524
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 18:03	WG1497524
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 18:03	WG1497524
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 18:03	WG1497524
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 18:03	WG1497524
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 18:03	WG1497524
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 18:03	WG1497524
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 18:03	WG1497524
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 18:03	WG1497524
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 18:03	WG1497524
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 18:03	WG1497524
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 18:03	WG1497524
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 18:03	WG1497524
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 18:03	WG1497524
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 18:03	WG1497524
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 18:03	WG1497524
Naphthalene	U		0.00100	0.00500	1	06/23/2020 18:03	WG1497524
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 18:03	WG1497524
Styrene	U		0.000118	0.00100	1	06/23/2020 18:03	WG1497524
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 18:03	WG1497524
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 18:03	WG1497524
Tetrachloroethene	U	J4	0.000300	0.00100	1	06/23/2020 18:03	WG1497524
Toluene	U		0.000278	0.00100	1	06/23/2020 18:03	WG1497524
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 18:03	WG1497524
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 18:03	WG1497524
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 18:03	WG1497524
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 18:03	WG1497524
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 18:03	WG1497524
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 18:03	WG1497524
o-Xylene	U		0.000174	0.00100	1	06/23/2020 18:03	WG1497524
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 18:03	WG1497524
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 18:03	WG1497524
(S) Toluene-d8	*108*			*80.0-120*		*06/23/2020 18:03*	WG1497524
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/23/2020 18:03*	WG1497524
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/23/2020 18:03*	WG1497524

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0398	J	0.0247	0.100	1	06/26/2020 00:37	WG1497647
(S) o-Terphenyl	*51.4*			*31.0-160*		*06/26/2020 00:37*	WG1497647

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4750		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	3.54		0.0500	0.100	1	06/30/2020 17:26	WG1499271

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1050		37.9	100	100	06/27/2020 13:01	WG1498053
Fluoride	5.73		0.0640	0.150	1	06/27/2020 12:43	WG1498053
Sulfate	1990		59.4	500	100	06/27/2020 13:01	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00402		0.000735	0.00200	1	06/27/2020 22:10	WG1498753
Arsenic,Dissolved	0.00396		0.000735	0.00200	1	06/27/2020 17:09	WG1498732
Barium	0.0110	J	0.00778	0.0200	1	06/27/2020 22:10	WG1498753
Barium,Dissolved	0.0109	J	0.00778	0.0200	1	06/27/2020 17:09	WG1498732
Calcium	441		0.480	1.00	1	06/27/2020 22:10	WG1498753
Chromium	U		0.00149	0.00200	1	06/27/2020 22:10	WG1498753
Chromium,Dissolved	U		0.00149	0.00200	1	06/27/2020 17:09	WG1498732
Iron	U		0.0489	0.100	1	06/27/2020 22:10	WG1498753
Iron,Dissolved	U		0.0489	0.100	1	06/27/2020 17:09	WG1498732
Lead	U		0.00249	0.00500	1	06/27/2020 22:10	WG1498753
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 17:09	WG1498732
Manganese	0.506		0.00132	0.00500	1	06/27/2020 22:10	WG1498753
Manganese,Dissolved	0.474		0.00132	0.00500	1	06/27/2020 17:09	WG1498732
Potassium	5.49		0.534	2.00	1	06/27/2020 22:10	WG1498753
Selenium	0.00331		0.000657	0.00200	1	06/27/2020 22:10	WG1498753
Selenium,Dissolved	0.00297		0.000657	0.00200	1	06/27/2020 17:09	WG1498732
Sodium	908		0.630	2.00	1	06/27/2020 22:10	WG1498753

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0978	J	0.0314	0.100	1	06/26/2020 05:16	WG1499250
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*06/26/2020 05:16*	WG1499250

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 18:23	WG1497524
Benzene	U		0.0000941	0.00100	1	06/23/2020 18:23	WG1497524
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 18:23	WG1497524
Bromoform	U		0.000129	0.00100	1	06/23/2020 18:23	WG1497524
Bromomethane	U		0.000605	0.00500	1	06/23/2020 18:23	WG1497524
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 18:23	WG1497524
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 18:23	WG1497524
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 18:23	WG1497524
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 18:23	WG1497524

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MW-01

SAMPLE RESULTS - 04

Collected date/time: 06/17/20 10:25

L1231207

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U	J4	0.000116	0.00100	1	06/23/2020 18:23	WG1497524
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 18:23	WG1497524
Chloroethane	U		0.000192	0.00500	1	06/23/2020 18:23	WG1497524
Chloroform	U		0.000111	0.00500	1	06/23/2020 18:23	WG1497524
Chloromethane	U		0.000960	0.00250	1	06/23/2020 18:23	WG1497524
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 18:23	WG1497524
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 18:23	WG1497524
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 18:23	WG1497524
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 18:23	WG1497524
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 18:23	WG1497524
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 18:23	WG1497524
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 18:23	WG1497524
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 18:23	WG1497524
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 18:23	WG1497524
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 18:23	WG1497524
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 18:23	WG1497524
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 18:23	WG1497524
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 18:23	WG1497524
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 18:23	WG1497524
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 18:23	WG1497524
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 18:23	WG1497524
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 18:23	WG1497524
Naphthalene	U		0.00100	0.00500	1	06/23/2020 18:23	WG1497524
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 18:23	WG1497524
Styrene	U		0.000118	0.00100	1	06/23/2020 18:23	WG1497524
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 18:23	WG1497524
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 18:23	WG1497524
Tetrachloroethene	U	J4	0.000300	0.00100	1	06/23/2020 18:23	WG1497524
Toluene	U		0.000278	0.00100	1	06/23/2020 18:23	WG1497524
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 18:23	WG1497524
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 18:23	WG1497524
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 18:23	WG1497524
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 18:23	WG1497524
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 18:23	WG1497524
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 18:23	WG1497524
o-Xylene	U		0.000174	0.00100	1	06/23/2020 18:23	WG1497524
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 18:23	WG1497524
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 18:23	WG1497524
(S) Toluene-d8	*114*			*80.0-120*		*06/23/2020 18:23*	WG1497524
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*06/23/2020 18:23*	WG1497524
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/23/2020 18:23*	WG1497524

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.269		0.0247	0.100	1	06/26/2020 00:57	WG1497647
(S) o-Terphenyl	*73.2*			*31.0-160*		*06/26/2020 00:57*	WG1497647

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4990		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/30/2020 17:27	WG1499271

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1210		37.9	100	100	06/27/2020 14:13	WG1498053
Fluoride	2.19		0.0640	0.150	1	06/27/2020 13:55	WG1498053
Sulfate	1980		59.4	500	100	06/27/2020 14:13	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00174	J	0.000735	0.00200	1	06/27/2020 22:14	WG1498753
Arsenic,Dissolved	0.00174	J	0.000735	0.00200	1	06/27/2020 17:13	WG1498732
Barium	0.0137	J	0.00778	0.0200	1	06/27/2020 22:14	WG1498753
Barium,Dissolved	0.0129	J	0.00778	0.0200	1	06/27/2020 17:13	WG1498732
Calcium	620		0.480	1.00	1	06/27/2020 22:14	WG1498753
Chromium	U		0.00149	0.00200	1	06/27/2020 22:14	WG1498753
Chromium,Dissolved	U		0.00149	0.00200	1	06/27/2020 17:13	WG1498732
Iron	0.276		0.0489	0.100	1	06/27/2020 22:14	WG1498753
Iron,Dissolved	0.140		0.0489	0.100	1	06/27/2020 17:13	WG1498732
Lead	U		0.00249	0.00500	1	06/27/2020 22:14	WG1498753
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 17:13	WG1498732
Manganese	1.47		0.00132	0.00500	1	06/27/2020 22:14	WG1498753
Manganese,Dissolved	1.39		0.00132	0.00500	1	06/27/2020 17:13	WG1498732
Potassium	2.99		0.534	2.00	1	06/27/2020 22:14	WG1498753
Selenium	U		0.000657	0.00200	1	06/27/2020 22:14	WG1498753
Selenium,Dissolved	U		0.000657	0.00200	1	06/27/2020 17:13	WG1498732
Sodium	680		0.630	2.00	1	06/27/2020 22:14	WG1498753

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/27/2020 17:31	WG1500247
(S) a,a,a-Trifluorotoluene(FID)	*93.5*			*78.0-120*		*06/27/2020 17:31*	WG1500247

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 18:43	WG1497524
Benzene	U		0.0000941	0.00100	1	06/23/2020 18:43	WG1497524
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 18:43	WG1497524
Bromoform	U		0.000129	0.00100	1	06/23/2020 18:43	WG1497524
Bromomethane	U		0.000605	0.00500	1	06/23/2020 18:43	WG1497524
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 18:43	WG1497524
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 18:43	WG1497524
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 18:43	WG1497524
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 18:43	WG1497524

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

MW-80
Collected date/time: 06/17/20 11:10
L1231207

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U	J4	0.000116	0.00100	1	06/23/2020 18:43	WG1497524
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 18:43	WG1497524
Chloroethane	U		0.000192	0.00500	1	06/23/2020 18:43	WG1497524
Chloroform	U		0.000111	0.00500	1	06/23/2020 18:43	WG1497524
Chloromethane	U		0.000960	0.00250	1	06/23/2020 18:43	WG1497524
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 18:43	WG1497524
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 18:43	WG1497524
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 18:43	WG1497524
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 18:43	WG1497524
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 18:43	WG1497524
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 18:43	WG1497524
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 18:43	WG1497524
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 18:43	WG1497524
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 18:43	WG1497524
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 18:43	WG1497524
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 18:43	WG1497524
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 18:43	WG1497524
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 18:43	WG1497524
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 18:43	WG1497524
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 18:43	WG1497524
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 18:43	WG1497524
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 18:43	WG1497524
Naphthalene	U		0.00100	0.00500	1	06/23/2020 18:43	WG1497524
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 18:43	WG1497524
Styrene	U		0.000118	0.00100	1	06/23/2020 18:43	WG1497524
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 18:43	WG1497524
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 18:43	WG1497524
Tetrachloroethene	U	J4	0.000300	0.00100	1	06/23/2020 18:43	WG1497524
Toluene	U		0.000278	0.00100	1	06/23/2020 18:43	WG1497524
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 18:43	WG1497524
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 18:43	WG1497524
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 18:43	WG1497524
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 18:43	WG1497524
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 18:43	WG1497524
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 18:43	WG1497524
o-Xylene	U		0.000174	0.00100	1	06/23/2020 18:43	WG1497524
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 18:43	WG1497524
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 18:43	WG1497524
(S) Toluene-d8	*111*			*80.0-120*		*06/23/2020 18:43*	WG1497524
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/23/2020 18:43*	WG1497524
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/23/2020 18:43*	WG1497524

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/26/2020 01:18	WG1497647
(S) o-Terphenyl	*64.2*			*31.0-160*		*06/26/2020 01:18*	WG1497647

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	7550		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 20:51	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2150		37.9	100	100	06/27/2020 15:24	WG1498053
Fluoride	5.09		0.640	1.50	10	06/27/2020 15:06	WG1498053
Sulfate	2540		59.4	500	100	06/27/2020 15:24	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00291		0.000735	0.00200	1	06/27/2020 22:17	WG1498753
Arsenic,Dissolved	0.00278		0.000735	0.00200	1	06/27/2020 17:17	WG1498732
Barium	0.0154	J	0.00778	0.0200	1	06/27/2020 22:17	WG1498753
Barium,Dissolved	0.0176	J	0.00778	0.0200	1	06/27/2020 17:17	WG1498732
Calcium	768		0.480	1.00	1	06/27/2020 22:17	WG1498753
Chromium	U		0.00149	0.00200	1	06/27/2020 22:17	WG1498753
Chromium,Dissolved	U		0.00149	0.00200	1	06/27/2020 17:17	WG1498732
Iron	0.998		0.0489	0.100	1	06/27/2020 22:17	WG1498753
Iron,Dissolved	1.04		0.0489	0.100	1	06/27/2020 17:17	WG1498732
Lead	U		0.00249	0.00500	1	06/27/2020 22:17	WG1498753
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 17:17	WG1498732
Manganese	4.60		0.00132	0.00500	1	06/27/2020 22:17	WG1498753
Manganese,Dissolved	4.61		0.00132	0.00500	1	06/27/2020 17:17	WG1498732
Potassium	6.82		0.534	2.00	1	06/27/2020 22:17	WG1498753
Selenium	U		0.000657	0.00200	1	06/27/2020 22:17	WG1498753
Selenium,Dissolved	U		0.000657	0.00200	1	06/27/2020 17:17	WG1498732
Sodium	1160		3.15	10.0	5	06/29/2020 02:00	WG1498753

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0534	J	0.0314	0.100	1	06/26/2020 06:01	WG1499250
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*06/26/2020 06:01*	WG1499250

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/23/2020 19:03	WG1497524
Benzene	U		0.0000941	0.00100	1	06/23/2020 19:03	WG1497524
Bromodichloromethane	U		0.000136	0.00100	1	06/23/2020 19:03	WG1497524
Bromoform	U		0.000129	0.00100	1	06/23/2020 19:03	WG1497524
Bromomethane	U		0.000605	0.00500	1	06/23/2020 19:03	WG1497524
n-Butylbenzene	U		0.000157	0.00100	1	06/23/2020 19:03	WG1497524
sec-Butylbenzene	U		0.000125	0.00100	1	06/23/2020 19:03	WG1497524
Carbon disulfide	U		0.0000962	0.00100	1	06/23/2020 19:03	WG1497524
Carbon tetrachloride	U		0.000128	0.00100	1	06/23/2020 19:03	WG1497524

Received by OCD: 11/22/2022 9:46:04 AM

MW-75

SAMPLE RESULTS - 06

Collected date/time: 06/17/20 11:55

L1231207

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U	J4	0.000116	0.00100	1	06/23/2020 19:03	WG1497524
Chlorodibromomethane	U		0.000140	0.00100	1	06/23/2020 19:03	WG1497524
Chloroethane	U		0.000192	0.00500	1	06/23/2020 19:03	WG1497524
Chloroform	U		0.000111	0.00500	1	06/23/2020 19:03	WG1497524
Chloromethane	U		0.000960	0.00250	1	06/23/2020 19:03	WG1497524
1,2-Dibromoethane	U		0.000126	0.00100	1	06/23/2020 19:03	WG1497524
1,1-Dichloroethane	U		0.000100	0.00100	1	06/23/2020 19:03	WG1497524
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/23/2020 19:03	WG1497524
1,1-Dichloroethene	U		0.000188	0.00100	1	06/23/2020 19:03	WG1497524
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/23/2020 19:03	WG1497524
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/23/2020 19:03	WG1497524
1,2-Dichloropropane	U		0.000149	0.00100	1	06/23/2020 19:03	WG1497524
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/23/2020 19:03	WG1497524
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/23/2020 19:03	WG1497524
Ethylbenzene	U		0.000137	0.00100	1	06/23/2020 19:03	WG1497524
Isopropylbenzene	U		0.000105	0.00100	1	06/23/2020 19:03	WG1497524
p-Isopropyltoluene	U		0.000120	0.00100	1	06/23/2020 19:03	WG1497524
2-Butanone (MEK)	U		0.00119	0.0100	1	06/23/2020 19:03	WG1497524
2-Hexanone	U		0.000787	0.0100	1	06/23/2020 19:03	WG1497524
Methylene Chloride	U		0.000430	0.00500	1	06/23/2020 19:03	WG1497524
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/23/2020 19:03	WG1497524
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/23/2020 19:03	WG1497524
Naphthalene	U		0.00100	0.00500	1	06/23/2020 19:03	WG1497524
n-Propylbenzene	U		0.0000993	0.00100	1	06/23/2020 19:03	WG1497524
Styrene	U		0.000118	0.00100	1	06/23/2020 19:03	WG1497524
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/23/2020 19:03	WG1497524
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/23/2020 19:03	WG1497524
Tetrachloroethene	U	J4	0.000300	0.00100	1	06/23/2020 19:03	WG1497524
Toluene	U		0.000278	0.00100	1	06/23/2020 19:03	WG1497524
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/23/2020 19:03	WG1497524
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/23/2020 19:03	WG1497524
Trichloroethene	U		0.000190	0.00100	1	06/23/2020 19:03	WG1497524
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/23/2020 19:03	WG1497524
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/23/2020 19:03	WG1497524
Vinyl chloride	U		0.000234	0.00100	1	06/23/2020 19:03	WG1497524
o-Xylene	U		0.000174	0.00100	1	06/23/2020 19:03	WG1497524
m&p-Xylene	U		0.000430	0.00200	1	06/23/2020 19:03	WG1497524
Xylenes, Total	U		0.000174	0.00300	1	06/23/2020 19:03	WG1497524
(S) Toluene-d8	*110*			*80.0-120*		*06/23/2020 19:03*	WG1497524
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/23/2020 19:03*	WG1497524
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/23/2020 19:03*	WG1497524

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0762	J	0.0247	0.100	1	06/26/2020 01:38	WG1497647
(S) o-Terphenyl	*62.1*			*31.0-160*		*06/26/2020 01:38*	WG1497647

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	5560		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 20:01	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	1430		37.9	100	100	06/27/2020 15:42	WG1498053
Fluoride	9.31	J	6.40	15.0	100	06/27/2020 15:42	WG1498053
Sulfate	2180		59.4	500	100	06/27/2020 15:42	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0964		0.000735	0.00200	1	06/27/2020 22:21	WG1498753
Arsenic,Dissolved	0.0974		0.000735	0.00200	1	06/27/2020 17:33	WG1498732
Barium	0.0235		0.00778	0.0200	1	06/27/2020 22:21	WG1498753
Barium,Dissolved	0.0226		0.00778	0.0200	1	06/27/2020 17:33	WG1498732
Calcium	422		0.480	1.00	1	06/27/2020 22:21	WG1498753
Chromium	0.00215		0.00149	0.00200	1	06/27/2020 22:21	WG1498753
Chromium,Dissolved	U		0.00149	0.00200	1	06/27/2020 17:33	WG1498732
Iron	4.11		0.0489	0.100	1	06/27/2020 22:21	WG1498753
Iron,Dissolved	4.09		0.0489	0.100	1	06/27/2020 17:33	WG1498732
Lead	U		0.00249	0.00500	1	06/27/2020 22:21	WG1498753
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 17:33	WG1498732
Manganese	2.22		0.00132	0.00500	1	06/27/2020 22:21	WG1498753
Manganese,Dissolved	2.23		0.00132	0.00500	1	06/27/2020 17:33	WG1498732
Potassium	8.75		0.534	2.00	1	06/27/2020 22:21	WG1498753
Selenium	0.00109	J	0.000657	0.00200	1	06/27/2020 22:21	WG1498753
Selenium,Dissolved	0.00109	J	0.000657	0.00200	1	06/27/2020 17:33	WG1498732
Sodium	1150		3.15	10.0	5	06/29/2020 02:04	WG1498753

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.689		0.0314	0.100	1	06/26/2020 06:24	WG1499250
(S) a,a,a-Trifluorotoluene(FID)	*113*			*78.0-120*		*06/26/2020 06:24*	WG1499250

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/24/2020 01:59	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 01:59	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 01:59	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 01:59	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 01:59	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 01:59	WG1497747
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 01:59	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 01:59	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 01:59	WG1497747

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 01:59	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 01:59	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 01:59	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 01:59	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 01:59	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 01:59	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 01:59	WG1497747
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 01:59	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 01:59	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 01:59	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 01:59	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 01:59	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 01:59	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 01:59	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 01:59	WG1497747
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 01:59	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 01:59	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 01:59	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 01:59	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 01:59	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 01:59	WG1497747
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/24/2020 01:59	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 01:59	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 01:59	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 01:59	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 01:59	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 01:59	WG1497747
Tetrachloroethene	U		0.000300	0.00100	1	06/26/2020 03:17	WG1499413
Toluene	U		0.000278	0.00100	1	06/24/2020 01:59	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 01:59	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 01:59	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 01:59	WG1497747
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 01:59	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 01:59	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 01:59	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 01:59	WG1497747
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 01:59	WG1497747
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 01:59	WG1497747
(S) Toluene-d8	*107*			*80.0-120*		*06/24/2020 01:59*	WG1497747
(S) Toluene-d8	*105*			*80.0-120*		*06/26/2020 03:17*	WG1499413
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*06/24/2020 01:59*	WG1497747
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*06/26/2020 03:17*	WG1499413
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*06/24/2020 01:59*	WG1497747
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/26/2020 03:17*	WG1499413

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.58		0.0247	0.100	1	06/26/2020 01:59	WG1497647
(S) o-Terphenyl	*78.9*			*31.0-160*		*06/26/2020 01:59*	WG1497647

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3960		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 20:02	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	879		37.9	100	100	06/27/2020 16:39	WG1498053
Fluoride	2.70		0.320	0.750	5	06/27/2020 16:22	WG1498053
Sulfate	1730		59.4	500	100	06/27/2020 16:39	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0140		0.000735	0.00200	1	06/27/2020 22:25	WG1498753
Arsenic,Dissolved	0.00932		0.000735	0.00200	1	06/27/2020 17:37	WG1498732
Barium	0.0200		0.00778	0.0200	1	06/27/2020 22:25	WG1498753
Barium,Dissolved	0.0180	J	0.00778	0.0200	1	06/27/2020 17:37	WG1498732
Calcium	487		0.480	1.00	1	06/27/2020 22:25	WG1498753
Chromium	U		0.00149	0.00200	1	06/27/2020 22:25	WG1498753
Chromium,Dissolved	U		0.00149	0.00200	1	06/27/2020 17:37	WG1498732
Iron	2.78		0.0489	0.100	1	06/27/2020 22:25	WG1498753
Iron,Dissolved	1.67		0.0489	0.100	1	06/27/2020 17:37	WG1498732
Lead	U		0.00249	0.00500	1	06/27/2020 22:25	WG1498753
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 17:37	WG1498732
Manganese	1.74		0.00132	0.00500	1	06/27/2020 22:25	WG1498753
Manganese,Dissolved	1.46		0.00132	0.00500	1	06/27/2020 17:37	WG1498732
Potassium	3.28		0.534	2.00	1	06/27/2020 22:25	WG1498753
Selenium	U		0.000657	0.00200	1	06/27/2020 22:25	WG1498753
Selenium,Dissolved	U		0.000657	0.00200	1	06/27/2020 17:37	WG1498732
Sodium	610		0.630	2.00	1	06/27/2020 22:25	WG1498753

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0484	J	0.0314	0.100	1	06/26/2020 06:47	WG1499250
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*06/26/2020 06:47*	WG1499250

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 02:23	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 02:23	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 02:23	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 02:23	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 02:23	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 02:23	WG1497747
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 02:23	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 02:23	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 02:23	WG1497747

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 02:23	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 02:23	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 02:23	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 02:23	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 02:23	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 02:23	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 02:23	WG1497747
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 02:23	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 02:23	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 02:23	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 02:23	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 02:23	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 02:23	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 02:23	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 02:23	WG1497747
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 02:23	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 02:23	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 02:23	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 02:23	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 02:23	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 02:23	WG1497747
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/24/2020 02:23	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 02:23	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 02:23	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 02:23	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 02:23	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 02:23	WG1497747
Tetrachloroethene	U		0.000300	0.00100	1	06/26/2020 03:37	WG1499413
Toluene	U		0.000278	0.00100	1	06/24/2020 02:23	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 02:23	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 02:23	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 02:23	WG1497747
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 02:23	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 02:23	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 02:23	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 02:23	WG1497747
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 02:23	WG1497747
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 02:23	WG1497747
(S) Toluene-d8	*106*			*80.0-120*		*06/24/2020 02:23*	WG1497747
(S) Toluene-d8	*106*			*80.0-120*		*06/26/2020 03:37*	WG1499413
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*06/24/2020 02:23*	WG1497747
(S) 4-Bromofluorobenzene	*99.9*			*77.0-126*		*06/26/2020 03:37*	WG1499413
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*06/24/2020 02:23*	WG1497747
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/26/2020 03:37*	WG1499413

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/26/2020 02:19	WG1497647
(S) o-Terphenyl	*62.1*			*31.0-160*		*06/26/2020 02:19*	WG1497647

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5620		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 20:03	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1150		37.9	100	100	06/27/2020 17:51	WG1498053
Fluoride	2.89		0.320	0.750	5	06/27/2020 17:33	WG1498053
Sulfate	2270		59.4	500	100	06/27/2020 17:51	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0378		0.000735	0.00200	1	06/27/2020 22:36	WG1498753
Arsenic,Dissolved	0.0374		0.000735	0.00200	1	06/27/2020 17:40	WG1498732
Barium	0.0121	J	0.00778	0.0200	1	06/27/2020 22:36	WG1498753
Barium,Dissolved	0.0113	J	0.00778	0.0200	1	06/27/2020 17:40	WG1498732
Calcium	454		0.480	1.00	1	06/27/2020 22:36	WG1498753
Chromium	0.00180	J	0.00149	0.00200	1	06/27/2020 22:36	WG1498753
Chromium,Dissolved	0.00180	J	0.00149	0.00200	1	06/27/2020 17:40	WG1498732
Iron	3.52		0.0489	0.100	1	06/27/2020 22:36	WG1498753
Iron,Dissolved	3.20		0.0489	0.100	1	06/27/2020 17:40	WG1498732
Lead	U		0.00249	0.00500	1	06/29/2020 04:21	WG1498753
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 17:40	WG1498732
Manganese	0.737		0.00132	0.00500	1	06/27/2020 22:36	WG1498753
Manganese,Dissolved	0.764		0.00132	0.00500	1	06/27/2020 17:40	WG1498732
Potassium	26.2		0.534	2.00	1	06/27/2020 22:36	WG1498753
Selenium	0.00379		0.000657	0.00200	1	06/29/2020 04:21	WG1498753
Selenium,Dissolved	0.00314		0.000657	0.00200	1	06/27/2020 17:40	WG1498732
Sodium	975		3.15	10.0	5	06/29/2020 02:07	WG1498753

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.89		0.0314	0.100	1	06/26/2020 07:10	WG1499250
(S) a,a,a-Trifluorotoluene(FID)	*114*			*78.0-120*		*06/26/2020 07:10*	WG1499250

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 02:46	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 02:46	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 02:46	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 02:46	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 02:46	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 02:46	WG1497747
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 02:46	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 02:46	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 02:46	WG1497747

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 02:46	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 02:46	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 02:46	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 02:46	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 02:46	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 02:46	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 02:46	WG1497747
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 02:46	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 02:46	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 02:46	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 02:46	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 02:46	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 02:46	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 02:46	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 02:46	WG1497747
Isopropylbenzene	0.00915		0.000105	0.00100	1	06/24/2020 02:46	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 02:46	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 02:46	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 02:46	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 02:46	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 02:46	WG1497747
Methyl tert-butyl ether	0.0111		0.000101	0.00100	1	06/24/2020 02:46	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 02:46	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 02:46	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 02:46	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 02:46	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 02:46	WG1497747
Tetrachloroethene	U	J4	0.000300	0.00100	1	06/24/2020 02:46	WG1497747
Toluene	U		0.000278	0.00100	1	06/24/2020 02:46	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 02:46	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 02:46	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 02:46	WG1497747
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 02:46	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 02:46	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 02:46	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 02:46	WG1497747
m&p-Xylene	0.000628	J	0.000430	0.00200	1	06/24/2020 02:46	WG1497747
Xylenes, Total	0.000628	J	0.000174	0.00300	1	06/24/2020 02:46	WG1497747
(S) Toluene-d8	*101*			*80.0-120*		*06/24/2020 02:46*	WG1497747
(S) 4-Bromofluorobenzene	*112*			*77.0-126*		*06/24/2020 02:46*	WG1497747
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*06/24/2020 02:46*	WG1497747

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	20.8		0.494	2.00	20	06/29/2020 08:31	WG1497647
(S) o-Terphenyl	*0.000*	J7		*31.0-160*		*06/29/2020 08:31*	WG1497647

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	7430		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 20:04	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	428		3.79	10.0	10	06/27/2020 18:27	WG1498053
Fluoride	2.53		0.0640	0.150	1	06/27/2020 18:09	WG1498053
Sulfate	3950		59.4	500	100	06/27/2020 18:45	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0416		0.000735	0.00200	1	06/27/2020 22:39	WG1498753
Arsenic,Dissolved	0.0404		0.000735	0.00200	1	06/27/2020 18:24	WG1498732
Barium	0.0107	J	0.00778	0.0200	1	06/27/2020 22:39	WG1498753
Barium,Dissolved	0.0103	J	0.00778	0.0200	1	06/27/2020 18:24	WG1498732
Calcium	488		0.480	1.00	1	06/27/2020 22:39	WG1498753
Chromium	0.00879		0.00149	0.00200	1	06/27/2020 22:39	WG1498753
Chromium,Dissolved	0.00801		0.00149	0.00200	1	06/27/2020 18:24	WG1498732
Iron	8.79		0.0489	0.100	1	06/27/2020 22:39	WG1498753
Iron,Dissolved	8.27		0.0489	0.100	1	06/27/2020 18:24	WG1498732
Lead	U		0.00249	0.00500	1	06/29/2020 04:25	WG1498753
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 18:24	WG1498732
Manganese	0.576		0.00132	0.00500	1	06/27/2020 22:39	WG1498753
Manganese,Dissolved	0.581		0.00132	0.00500	1	06/27/2020 18:24	WG1498732
Potassium	64.2		0.534	2.00	1	06/27/2020 22:39	WG1498753
Selenium	0.00835		0.000657	0.00200	1	06/29/2020 04:25	WG1498753
Selenium,Dissolved	0.00777		0.000657	0.00200	1	06/27/2020 18:24	WG1498732
Sodium	1070		3.15	10.0	5	06/29/2020 02:10	WG1498753

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	2.88	J	1.57	5.00	50	06/26/2020 10:13	WG1499250
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*06/26/2020 10:13*	WG1499250

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.282	1.25	25	06/26/2020 03:47	WG1499327
Benzene	U		0.00235	0.0250	25	06/26/2020 03:47	WG1499327
Bromodichloromethane	U		0.00340	0.0250	25	06/26/2020 03:47	WG1499327
Bromoform	U		0.00322	0.0250	25	06/26/2020 03:47	WG1499327
Bromomethane	U		0.0151	0.125	25	06/26/2020 03:47	WG1499327
n-Butylbenzene	U		0.00393	0.0250	25	06/26/2020 03:47	WG1499327
sec-Butylbenzene	U		0.00313	0.0250	25	06/26/2020 03:47	WG1499327
Carbon disulfide	U		0.00241	0.0250	25	06/26/2020 03:47	WG1499327
Carbon tetrachloride	U		0.00320	0.0250	25	06/26/2020 03:47	WG1499327

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.00290	0.0250	25	06/26/2020 03:47	WG1499327
Chlorodibromomethane	U		0.00350	0.0250	25	06/26/2020 03:47	WG1499327
Chloroethane	U		0.00480	0.125	25	06/26/2020 03:47	WG1499327
Chloroform	U		0.00278	0.125	25	06/26/2020 03:47	WG1499327
Chloromethane	U		0.0240	0.0625	25	06/26/2020 03:47	WG1499327
1,2-Dibromoethane	U		0.00315	0.0250	25	06/26/2020 03:47	WG1499327
1,1-Dichloroethane	U		0.00250	0.0250	25	06/26/2020 03:47	WG1499327
1,2-Dichloroethane	U		0.00205	0.0250	25	06/26/2020 03:47	WG1499327
1,1-Dichloroethene	U		0.00470	0.0250	25	06/26/2020 03:47	WG1499327
cis-1,2-Dichloroethene	U		0.00315	0.0250	25	06/26/2020 03:47	WG1499327
trans-1,2-Dichloroethene	U		0.00373	0.0250	25	06/26/2020 03:47	WG1499327
1,2-Dichloropropane	U		0.00373	0.0250	25	06/26/2020 03:47	WG1499327
cis-1,3-Dichloropropene	U		0.00278	0.0250	25	06/26/2020 03:47	WG1499327
trans-1,3-Dichloropropene	U		0.00295	0.0250	25	06/26/2020 03:47	WG1499327
Ethylbenzene	U		0.00343	0.0250	25	06/26/2020 03:47	WG1499327
Isopropylbenzene	0.0226	J	0.00263	0.0250	25	06/26/2020 03:47	WG1499327
p-Isopropyltoluene	U		0.00300	0.0250	25	06/26/2020 03:47	WG1499327
2-Butanone (MEK)	U		0.0298	0.250	25	06/26/2020 03:47	WG1499327
2-Hexanone	U		0.0197	0.250	25	06/26/2020 03:47	WG1499327
Methylene Chloride	U		0.0107	0.125	25	06/26/2020 03:47	WG1499327
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.250	25	06/26/2020 03:47	WG1499327
Methyl tert-butyl ether	U		0.00253	0.0250	25	06/26/2020 03:47	WG1499327
Naphthalene	U		0.0250	0.125	25	06/26/2020 03:47	WG1499327
n-Propylbenzene	0.00360	J	0.00248	0.0250	25	06/26/2020 03:47	WG1499327
Styrene	U		0.00295	0.0250	25	06/26/2020 03:47	WG1499327
1,1,1,2-Tetrachloroethane	U		0.00368	0.0250	25	06/26/2020 03:47	WG1499327
1,1,2,2-Tetrachloroethane	U		0.00333	0.0250	25	06/26/2020 03:47	WG1499327
Tetrachloroethene	U		0.00750	0.0250	25	06/26/2020 03:47	WG1499327
Toluene	U		0.00695	0.0250	25	06/26/2020 03:47	WG1499327
1,1,1-Trichloroethane	U		0.00373	0.0250	25	06/26/2020 03:47	WG1499327
1,1,2-Trichloroethane	U		0.00395	0.0250	25	06/26/2020 03:47	WG1499327
Trichloroethene	U		0.00475	0.0250	25	06/26/2020 03:47	WG1499327
1,2,4-Trimethylbenzene	U		0.00805	0.0250	25	06/26/2020 03:47	WG1499327
1,3,5-Trimethylbenzene	U		0.00260	0.0250	25	06/26/2020 03:47	WG1499327
Vinyl chloride	U		0.00585	0.0250	25	06/26/2020 03:47	WG1499327
o-Xylene	U		0.00435	0.0250	25	06/26/2020 03:47	WG1499327
m&p-Xylene	U		0.0107	0.0500	25	06/26/2020 03:47	WG1499327
Xylenes, Total	U		0.00435	0.0750	25	06/26/2020 03:47	WG1499327
(S) Toluene-d8	*104*			*80.0-120*		*06/26/2020 03:47*	WG1499327
(S) 4-Bromofluorobenzene	*99.6*			*77.0-126*		*06/26/2020 03:47*	WG1499327
(S) 1,2-Dichloroethane-d4	*95.2*			*70.0-130*		*06/26/2020 03:47*	WG1499327

Sample Narrative:

L1231207-10 WG1499327: Lowest possible dilution due to sample foaming.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	53.1		0.494	2.00	20	06/26/2020 06:41	WG1497647
(S) o-Terphenyl	*0.000*	J7		*31.0-160*		*06/26/2020 06:41*	WG1497647

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4460		14.1	50.0	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 20:06	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	51.7		0.379	1.00	1	06/27/2020 19:02	WG1498053
Fluoride	13.9		3.20	7.50	50	06/27/2020 19:38	WG1498053
Sulfate	2580		29.7	250	50	06/27/2020 19:38	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0237		0.000735	0.00200	1	06/27/2020 22:43	WG1498753
Arsenic,Dissolved	0.0223		0.000735	0.00200	1	06/27/2020 18:27	WG1498732
Barium	0.0498		0.00778	0.0200	1	06/27/2020 22:43	WG1498753
Barium,Dissolved	0.0503		0.00778	0.0200	1	06/27/2020 18:27	WG1498732
Calcium	584		0.480	1.00	1	06/27/2020 22:43	WG1498753
Chromium	0.126		0.00149	0.00200	1	06/27/2020 22:43	WG1498753
Chromium,Dissolved	0.122		0.00149	0.00200	1	06/27/2020 18:27	WG1498732
Iron	6.51		0.0489	0.100	1	06/27/2020 22:43	WG1498753
Iron,Dissolved	6.29		0.0489	0.100	1	06/27/2020 18:27	WG1498732
Lead	U		0.00249	0.00500	1	06/29/2020 04:28	WG1498753
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 18:27	WG1498732
Manganese	0.735		0.00132	0.00500	1	06/27/2020 22:43	WG1498753
Manganese,Dissolved	0.756		0.00132	0.00500	1	06/27/2020 18:27	WG1498732
Potassium	16.6		0.534	2.00	1	06/27/2020 22:43	WG1498753
Selenium	0.00764		0.000657	0.00200	1	06/29/2020 04:28	WG1498753
Selenium,Dissolved	0.00718		0.000657	0.00200	1	06/27/2020 18:27	WG1498732
Sodium	184		0.630	2.00	1	06/29/2020 11:46	WG1498753

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		1.57	5.00	50	06/27/2020 18:33	WG1500247
(S) a,a,a-Trifluorotoluene(FID)	*93.0*			*78.0-120*		*06/27/2020 18:33*	WG1500247

Sample Narrative:

L1231207-11 WG1500247: Lowest possible dilution due to sample foaming.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 09:37	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 09:37	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 09:37	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 09:37	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 09:37	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 09:37	WG1497747

Received by OCD: 11/22/2022 9:46:04 AM

MW-78
Collected date/time: 06/17/20 14:55
L1231207

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 09:37	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 09:37	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 09:37	WG1497747
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 09:37	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 09:37	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 09:37	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 09:37	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 09:37	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 09:37	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 09:37	WG1497747
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 09:37	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 09:37	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 09:37	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 09:37	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 09:37	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 09:37	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 09:37	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 09:37	WG1497747
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 09:37	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 09:37	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 09:37	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 09:37	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 09:37	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 09:37	WG1497747
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/24/2020 09:37	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 09:37	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 09:37	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 09:37	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 09:37	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 09:37	WG1497747
Tetrachloroethene	U		0.000300	0.00100	1	06/26/2020 03:58	WG1499413
Toluene	U		0.000278	0.00100	1	06/24/2020 09:37	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 09:37	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 09:37	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 09:37	WG1497747
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 09:37	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 09:37	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 09:37	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 09:37	WG1497747
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 09:37	WG1497747
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 09:37	WG1497747
(S) Toluene-d8	*105*			*80.0-120*		*06/24/2020 09:37*	WG1497747
(S) Toluene-d8	*107*			*80.0-120*		*06/26/2020 03:58*	WG1499413
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*06/24/2020 09:37*	WG1497747
(S) 4-Bromofluorobenzene	*99.6*			*77.0-126*		*06/26/2020 03:58*	WG1499413
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*06/24/2020 09:37*	WG1497747
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*06/26/2020 03:58*	WG1499413

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	38.5		0.494	2.00	20	06/26/2020 07:01	WG1497647
(S) o-Terphenyl	*0.000*	J7		*31.0-160*		*06/26/2020 07:01*	WG1497647

Released to Imaging: 11/22/2022 9:50:00 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	6110		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 20:11	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1470		37.9	100	100	06/27/2020 21:08	WG1498053
Fluoride	7.22		0.640	1.50	10	06/27/2020 20:50	WG1498053
Sulfate	2080		59.4	500	100	06/27/2020 21:08	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.270		0.000735	0.00200	1	06/27/2020 22:47	WG1498753
Arsenic,Dissolved	0.268		0.000735	0.00200	1	06/27/2020 17:44	WG1498732
Barium	0.0149	J	0.00778	0.0200	1	06/27/2020 22:47	WG1498753
Barium,Dissolved	0.0166	J	0.00778	0.0200	1	06/27/2020 17:44	WG1498732
Calcium	366		0.480	1.00	1	06/27/2020 22:47	WG1498753
Chromium	0.00163	J	0.00149	0.00200	1	06/27/2020 22:47	WG1498753
Chromium,Dissolved	U		0.00149	0.00200	1	06/27/2020 17:44	WG1498732
Iron	4.58		0.0489	0.100	1	06/27/2020 22:47	WG1498753
Iron,Dissolved	4.51		0.0489	0.100	1	06/27/2020 17:44	WG1498732
Lead	U		0.00249	0.00500	1	06/29/2020 04:31	WG1498753
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 17:44	WG1498732
Manganese	1.13		0.00132	0.00500	1	06/27/2020 22:47	WG1498753
Manganese,Dissolved	1.14		0.00132	0.00500	1	06/27/2020 17:44	WG1498732
Potassium	16.6		0.534	2.00	1	06/27/2020 22:47	WG1498753
Selenium	0.00228		0.000657	0.00200	1	06/29/2020 04:31	WG1498753
Selenium,Dissolved	0.00286		0.000657	0.00200	1	06/27/2020 17:44	WG1498732
Sodium	1340		3.15	10.0	5	06/29/2020 02:14	WG1498753

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	2.44	J	1.57	5.00	50	06/27/2020 18:53	WG1500247
(S) a,a,a-Trifluorotoluene(FID)	*93.5*			*78.0-120*		*06/27/2020 18:53*	WG1500247

Sample Narrative:

L1231207-12 WG1500247: Lowest possible dilution due to sample foaming.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.282	1.25	25	06/26/2020 04:08	WG1499327
Benzene	U		0.00235	0.0250	25	06/26/2020 04:08	WG1499327
Bromodichloromethane	U		0.00340	0.0250	25	06/26/2020 04:08	WG1499327
Bromoform	U		0.00322	0.0250	25	06/26/2020 04:08	WG1499327
Bromomethane	U		0.0151	0.125	25	06/26/2020 04:08	WG1499327
n-Butylbenzene	U		0.00393	0.0250	25	06/26/2020 04:08	WG1499327

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U		0.00313	0.0250	25	06/26/2020 04:08	WG1499327
Carbon disulfide	U		0.00241	0.0250	25	06/26/2020 04:08	WG1499327
Carbon tetrachloride	U		0.00320	0.0250	25	06/26/2020 04:08	WG1499327
Chlorobenzene	U		0.00290	0.0250	25	06/26/2020 04:08	WG1499327
Chlorodibromomethane	U		0.00350	0.0250	25	06/26/2020 04:08	WG1499327
Chloroethane	U		0.00480	0.125	25	06/26/2020 04:08	WG1499327
Chloroform	U		0.00278	0.125	25	06/26/2020 04:08	WG1499327
Chloromethane	U		0.0240	0.0625	25	06/26/2020 04:08	WG1499327
1,2-Dibromoethane	U		0.00315	0.0250	25	06/26/2020 04:08	WG1499327
1,1-Dichloroethane	U		0.00250	0.0250	25	06/26/2020 04:08	WG1499327
1,2-Dichloroethane	U		0.00205	0.0250	25	06/26/2020 04:08	WG1499327
1,1-Dichloroethene	U		0.00470	0.0250	25	06/26/2020 04:08	WG1499327
cis-1,2-Dichloroethene	U		0.00315	0.0250	25	06/26/2020 04:08	WG1499327
trans-1,2-Dichloroethene	U		0.00373	0.0250	25	06/26/2020 04:08	WG1499327
1,2-Dichloropropane	U		0.00373	0.0250	25	06/26/2020 04:08	WG1499327
cis-1,3-Dichloropropene	U		0.00278	0.0250	25	06/26/2020 04:08	WG1499327
trans-1,3-Dichloropropene	U		0.00295	0.0250	25	06/26/2020 04:08	WG1499327
Ethylbenzene	U		0.00343	0.0250	25	06/26/2020 04:08	WG1499327
Isopropylbenzene	0.00352	J	0.00263	0.0250	25	06/26/2020 04:08	WG1499327
p-Isopropyltoluene	U		0.00300	0.0250	25	06/26/2020 04:08	WG1499327
2-Butanone (MEK)	U		0.0298	0.250	25	06/26/2020 04:08	WG1499327
2-Hexanone	U		0.0197	0.250	25	06/26/2020 04:08	WG1499327
Methylene Chloride	U		0.0107	0.125	25	06/26/2020 04:08	WG1499327
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.250	25	06/26/2020 04:08	WG1499327
Methyl tert-butyl ether	0.00263	J	0.00253	0.0250	25	06/26/2020 04:08	WG1499327
Naphthalene	U		0.0250	0.125	25	06/26/2020 04:08	WG1499327
n-Propylbenzene	U		0.00248	0.0250	25	06/26/2020 04:08	WG1499327
Styrene	U		0.00295	0.0250	25	06/26/2020 04:08	WG1499327
1,1,1,2-Tetrachloroethane	U		0.00368	0.0250	25	06/26/2020 04:08	WG1499327
1,1,2,2-Tetrachloroethane	U		0.00333	0.0250	25	06/26/2020 04:08	WG1499327
Tetrachloroethene	U		0.00750	0.0250	25	06/26/2020 04:08	WG1499327
Toluene	U		0.00695	0.0250	25	06/26/2020 04:08	WG1499327
1,1,1-Trichloroethane	U		0.00373	0.0250	25	06/26/2020 04:08	WG1499327
1,1,2-Trichloroethane	U		0.00395	0.0250	25	06/26/2020 04:08	WG1499327
Trichloroethene	U		0.00475	0.0250	25	06/26/2020 04:08	WG1499327
1,2,4-Trimethylbenzene	U		0.00805	0.0250	25	06/26/2020 04:08	WG1499327
1,3,5-Trimethylbenzene	U		0.00260	0.0250	25	06/26/2020 04:08	WG1499327
Vinyl chloride	U		0.00585	0.0250	25	06/26/2020 04:08	WG1499327
o-Xylene	U		0.00435	0.0250	25	06/26/2020 04:08	WG1499327
m&p-Xylene	U		0.0107	0.0500	25	06/26/2020 04:08	WG1499327
Xylenes, Total	U		0.00435	0.0750	25	06/26/2020 04:08	WG1499327
(S) Toluene-d8	*105*			*80.0-120*		*06/26/2020 04:08*	WG1499327
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/26/2020 04:08*	WG1499327
(S) 1,2-Dichloroethane-d4	*93.0*			*70.0-130*		*06/26/2020 04:08*	WG1499327

Sample Narrative:

L1231207-12 WG1499327: Lowest possible dilution due to sample foaming.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	12.2		0.247	1.00	10	06/26/2020 05:41	WG1497647
(S) o-Terphenyl	*73.7*			*31.0-160*		*06/26/2020 05:41*	WG1497647

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	6810		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	1.31		0.0500	0.100	1	06/29/2020 20:12	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	314		1.90	5.00	5	06/27/2020 21:26	WG1498053
Fluoride	4.63		0.320	0.750	5	06/27/2020 21:26	WG1498053
Sulfate	4190		59.4	500	100	06/27/2020 21:44	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0378		0.000735	0.00200	1	06/27/2020 22:51	WG1498753
Arsenic,Dissolved	0.0372		0.000735	0.00200	1	06/27/2020 17:48	WG1498732
Barium	0.0246		0.00778	0.0200	1	06/27/2020 22:51	WG1498753
Barium,Dissolved	0.0227		0.00778	0.0200	1	06/27/2020 17:48	WG1498732
Calcium	544		0.480	1.00	1	06/27/2020 22:51	WG1498753
Chromium	0.00317		0.00149	0.00200	1	06/27/2020 22:51	WG1498753
Chromium,Dissolved	0.00278		0.00149	0.00200	1	06/27/2020 17:48	WG1498732
Iron	0.151		0.0489	0.100	1	06/27/2020 22:51	WG1498753
Iron,Dissolved	0.0650	J	0.0489	0.100	1	06/27/2020 17:48	WG1498732
Lead	U		0.00249	0.00500	1	06/29/2020 04:35	WG1498753
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 17:48	WG1498732
Manganese	0.332		0.00132	0.00500	1	06/27/2020 22:51	WG1498753
Manganese,Dissolved	0.336		0.00132	0.00500	1	06/27/2020 17:48	WG1498732
Potassium	48.9		0.534	2.00	1	06/27/2020 22:51	WG1498753
Selenium	0.0101		0.000657	0.00200	1	06/29/2020 04:35	WG1498753
Selenium,Dissolved	0.0102		0.000657	0.00200	1	06/27/2020 17:48	WG1498732
Sodium	319		0.630	2.00	1	06/29/2020 11:49	WG1498753

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.843		0.157	0.500	5	06/26/2020 09:50	WG1499250
(S) a,a,a-Trifluorotoluene(FID)	*112*			*78.0-120*		*06/26/2020 09:50*	WG1499250

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/24/2020 03:34	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 03:34	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 03:34	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 03:34	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 03:34	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 03:34	WG1497747
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 03:34	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 03:34	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 03:34	WG1497747

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 03:34	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 03:34	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 03:34	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 03:34	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 03:34	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 03:34	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 03:34	WG1497747
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 03:34	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 03:34	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 03:34	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 03:34	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 03:34	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 03:34	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 03:34	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 03:34	WG1497747
Isopropylbenzene	0.00144		0.000105	0.00100	1	06/24/2020 03:34	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 03:34	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 03:34	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 03:34	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 03:34	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 03:34	WG1497747
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/24/2020 03:34	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 03:34	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 03:34	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 03:34	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 03:34	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 03:34	WG1497747
Tetrachloroethene	U	J4	0.000300	0.00100	1	06/24/2020 03:34	WG1497747
Toluene	U		0.000278	0.00100	1	06/24/2020 03:34	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 03:34	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 03:34	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 03:34	WG1497747
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 03:34	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 03:34	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 03:34	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 03:34	WG1497747
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 03:34	WG1497747
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 03:34	WG1497747
(S) Toluene-d8	*105*			*80.0-120*		*06/24/2020 03:34*	WG1497747
(S) 4-Bromofluorobenzene	*113*			*77.0-126*		*06/24/2020 03:34*	WG1497747
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*06/24/2020 03:34*	WG1497747

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.93		0.0247	0.100	1	06/26/2020 02:39	WG1497647
(S) o-Terphenyl	*87.4*			*31.0-160*		*06/26/2020 02:39*	WG1497647

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5200		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0662	B J	0.0500	0.100	1	06/29/2020 20:13	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1280		37.9	100	100	06/27/2020 22:20	WG1498053
Fluoride	2.40		0.320	0.750	5	06/27/2020 22:02	WG1498053
Sulfate	2140		59.4	500	100	06/27/2020 22:20	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0278		0.000735	0.00200	1	06/27/2020 22:54	WG1498753
Arsenic,Dissolved	0.0276		0.000735	0.00200	1	06/27/2020 17:51	WG1498732
Barium	0.0125	J	0.00778	0.0200	1	06/27/2020 22:54	WG1498753
Barium,Dissolved	0.0135	J	0.00778	0.0200	1	06/27/2020 17:51	WG1498732
Calcium	553		0.480	1.00	1	06/27/2020 22:54	WG1498753
Chromium	U		0.00149	0.00200	1	06/27/2020 22:54	WG1498753
Chromium,Dissolved	U		0.00149	0.00200	1	06/27/2020 17:51	WG1498732
Iron	U		0.0489	0.100	1	06/27/2020 22:54	WG1498753
Iron,Dissolved	U		0.0489	0.100	1	06/27/2020 17:51	WG1498732
Lead	U		0.00249	0.00500	1	06/29/2020 04:38	WG1498753
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 17:51	WG1498732
Manganese	0.880		0.00132	0.00500	1	06/27/2020 22:54	WG1498753
Manganese,Dissolved	0.885		0.00132	0.00500	1	06/27/2020 17:51	WG1498732
Potassium	7.64		0.534	2.00	1	06/27/2020 22:54	WG1498753
Selenium	0.00995		0.000657	0.00200	1	06/29/2020 04:38	WG1498753
Selenium,Dissolved	0.00866		0.000657	0.00200	1	06/27/2020 17:51	WG1498732
Sodium	818		0.630	2.00	1	06/29/2020 11:53	WG1498753

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		1.57	5.00	50	06/27/2020 19:14	WG1500247
(S) a,a,a-Trifluorotoluene(FID)	*93.0*			*78.0-120*		*06/27/2020 19:14*	WG1500247

Sample Narrative:

L1231207-14 WG1500247: Lowest possible dilution due to sample foaming.

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.282	1.25	25	06/26/2020 04:29	WG1499327
Benzene	U		0.00235	0.0250	25	06/26/2020 04:29	WG1499327
Bromodichloromethane	U		0.00340	0.0250	25	06/26/2020 04:29	WG1499327
Bromoform	U		0.00322	0.0250	25	06/26/2020 04:29	WG1499327
Bromomethane	U		0.0151	0.125	25	06/26/2020 04:29	WG1499327
n-Butylbenzene	U		0.00393	0.0250	25	06/26/2020 04:29	WG1499327

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U		0.00313	0.0250	25	06/26/2020 04:29	WG1499327
Carbon disulfide	U		0.00241	0.0250	25	06/26/2020 04:29	WG1499327
Carbon tetrachloride	U		0.00320	0.0250	25	06/26/2020 04:29	WG1499327
Chlorobenzene	U		0.00290	0.0250	25	06/26/2020 04:29	WG1499327
Chlorodibromomethane	U		0.00350	0.0250	25	06/26/2020 04:29	WG1499327
Chloroethane	U		0.00480	0.125	25	06/26/2020 04:29	WG1499327
Chloroform	U		0.00278	0.125	25	06/26/2020 04:29	WG1499327
Chloromethane	U		0.0240	0.0625	25	06/26/2020 04:29	WG1499327
1,2-Dibromoethane	U		0.00315	0.0250	25	06/26/2020 04:29	WG1499327
1,1-Dichloroethane	U		0.00250	0.0250	25	06/26/2020 04:29	WG1499327
1,2-Dichloroethane	U		0.00205	0.0250	25	06/26/2020 04:29	WG1499327
1,1-Dichloroethene	U		0.00470	0.0250	25	06/26/2020 04:29	WG1499327
cis-1,2-Dichloroethene	U		0.00315	0.0250	25	06/26/2020 04:29	WG1499327
trans-1,2-Dichloroethene	U		0.00373	0.0250	25	06/26/2020 04:29	WG1499327
1,2-Dichloropropane	U		0.00373	0.0250	25	06/26/2020 04:29	WG1499327
cis-1,3-Dichloropropene	U		0.00278	0.0250	25	06/26/2020 04:29	WG1499327
trans-1,3-Dichloropropene	U		0.00295	0.0250	25	06/26/2020 04:29	WG1499327
Ethylbenzene	U		0.00343	0.0250	25	06/26/2020 04:29	WG1499327
Isopropylbenzene	U		0.00263	0.0250	25	06/26/2020 04:29	WG1499327
p-Isopropyltoluene	U		0.00300	0.0250	25	06/26/2020 04:29	WG1499327
2-Butanone (MEK)	U		0.0298	0.250	25	06/26/2020 04:29	WG1499327
2-Hexanone	U		0.0197	0.250	25	06/26/2020 04:29	WG1499327
Methylene Chloride	0.0181	J	0.0107	0.125	25	06/26/2020 04:29	WG1499327
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.250	25	06/26/2020 04:29	WG1499327
Methyl tert-butyl ether	U		0.00253	0.0250	25	06/26/2020 04:29	WG1499327
Naphthalene	U		0.0250	0.125	25	06/26/2020 04:29	WG1499327
n-Propylbenzene	U		0.00248	0.0250	25	06/26/2020 04:29	WG1499327
Styrene	U		0.00295	0.0250	25	06/26/2020 04:29	WG1499327
1,1,1,2-Tetrachloroethane	U		0.00368	0.0250	25	06/26/2020 04:29	WG1499327
1,1,2,2-Tetrachloroethane	U		0.00333	0.0250	25	06/26/2020 04:29	WG1499327
Tetrachloroethene	U		0.00750	0.0250	25	06/26/2020 04:29	WG1499327
Toluene	U		0.00695	0.0250	25	06/26/2020 04:29	WG1499327
1,1,1-Trichloroethane	U		0.00373	0.0250	25	06/26/2020 04:29	WG1499327
1,1,2-Trichloroethane	U		0.00395	0.0250	25	06/26/2020 04:29	WG1499327
Trichloroethene	U		0.00475	0.0250	25	06/26/2020 04:29	WG1499327
1,2,4-Trimethylbenzene	U		0.00805	0.0250	25	06/26/2020 04:29	WG1499327
1,3,5-Trimethylbenzene	U		0.00260	0.0250	25	06/26/2020 04:29	WG1499327
Vinyl chloride	U		0.00585	0.0250	25	06/26/2020 04:29	WG1499327
o-Xylene	U		0.00435	0.0250	25	06/26/2020 04:29	WG1499327
m&p-Xylene	U		0.0107	0.0500	25	06/26/2020 04:29	WG1499327
Xylenes, Total	U		0.00435	0.0750	25	06/26/2020 04:29	WG1499327
(S) Toluene-d8	*106*			*80.0-120*		*06/26/2020 04:29*	WG1499327
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/26/2020 04:29*	WG1499327
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*06/26/2020 04:29*	WG1499327

Sample Narrative:

L1231207-14 WG1499327: Lowest possible dilution due to sample foaming.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.01		0.247	1.00	10	06/26/2020 05:21	WG1497647
(S) o-Terphenyl	*80.5*			*31.0-160*		*06/26/2020 05:21*	WG1497647

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	11900		56.4	200	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0816	B J	0.0500	0.100	1	06/29/2020 20:17	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	4500		37.9	100	100	06/27/2020 23:13	WG1498053
Fluoride	0.900		0.0640	0.150	1	06/27/2020 22:37	WG1498053
Sulfate	3310		59.4	500	100	06/27/2020 23:13	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0299		0.000735	0.00200	1	06/27/2020 22:58	WG1498753
Arsenic,Dissolved	0.0260		0.000735	0.00200	1	06/27/2020 17:55	WG1498732
Barium	0.0168	J	0.00778	0.0200	1	06/27/2020 22:58	WG1498753
Barium,Dissolved	0.0181	J	0.00778	0.0200	1	06/27/2020 17:55	WG1498732
Calcium	575		0.480	1.00	1	06/27/2020 22:58	WG1498753
Chromium	U		0.00149	0.00200	1	06/27/2020 22:58	WG1498753
Chromium,Dissolved	U		0.00149	0.00200	1	06/27/2020 17:55	WG1498732
Iron	2.21		0.0489	0.100	1	06/27/2020 22:58	WG1498753
Iron,Dissolved	0.559		0.0489	0.100	1	06/27/2020 17:55	WG1498732
Lead	U		0.00249	0.00500	1	06/29/2020 04:42	WG1498753
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 17:55	WG1498732
Manganese	2.94		0.00132	0.00500	1	06/27/2020 22:58	WG1498753
Manganese,Dissolved	2.95		0.00132	0.00500	1	06/27/2020 17:55	WG1498732
Potassium	4.36		0.534	2.00	1	06/27/2020 22:58	WG1498753
Selenium	0.00271		0.000657	0.00200	1	06/29/2020 04:42	WG1498753
Selenium,Dissolved	0.00318		0.000657	0.00200	1	06/27/2020 17:55	WG1498732
Sodium	2610		3.15	10.0	5	06/29/2020 02:17	WG1498753

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	2.73		0.0314	0.100	1	06/26/2020 07:33	WG1499250
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*06/26/2020 07:33*	WG1499250

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/26/2020 04:19	WG1499413
Benzene	U		0.0000941	0.00100	1	06/26/2020 04:19	WG1499413
Bromodichloromethane	U		0.000136	0.00100	1	06/26/2020 04:19	WG1499413
Bromoform	U		0.000129	0.00100	1	06/26/2020 04:19	WG1499413
Bromomethane	U		0.000605	0.00500	1	06/26/2020 04:19	WG1499413
n-Butylbenzene	0.000199	J	0.000157	0.00100	1	06/26/2020 04:19	WG1499413
sec-Butylbenzene	0.000265	J	0.000125	0.00100	1	06/26/2020 04:19	WG1499413
Carbon disulfide	U		0.0000962	0.00100	1	06/26/2020 04:19	WG1499413
Carbon tetrachloride	U		0.000128	0.00100	1	06/26/2020 04:19	WG1499413

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/26/2020 04:19	WG1499413
Chlorodibromomethane	U		0.000140	0.00100	1	06/26/2020 04:19	WG1499413
Chloroethane	U		0.000192	0.00500	1	06/26/2020 04:19	WG1499413
Chloroform	U		0.000111	0.00500	1	06/26/2020 04:19	WG1499413
Chloromethane	U		0.000960	0.00250	1	06/26/2020 04:19	WG1499413
1,2-Dibromoethane	U		0.000126	0.00100	1	06/26/2020 04:19	WG1499413
1,1-Dichloroethane	U		0.000100	0.00100	1	06/26/2020 04:19	WG1499413
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/26/2020 04:19	WG1499413
1,1-Dichloroethene	U		0.000188	0.00100	1	06/26/2020 04:19	WG1499413
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/26/2020 04:19	WG1499413
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/26/2020 04:19	WG1499413
1,2-Dichloropropane	U		0.000149	0.00100	1	06/26/2020 04:19	WG1499413
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/26/2020 04:19	WG1499413
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/26/2020 04:19	WG1499413
Ethylbenzene	U		0.000137	0.00100	1	06/26/2020 04:19	WG1499413
Isopropylbenzene	U		0.000105	0.00100	1	06/26/2020 04:19	WG1499413
p-Isopropyltoluene	U		0.000120	0.00100	1	06/26/2020 04:19	WG1499413
2-Butanone (MEK)	U		0.00119	0.0100	1	06/26/2020 04:19	WG1499413
2-Hexanone	U		0.000787	0.0100	1	06/26/2020 04:19	WG1499413
Methylene Chloride	U		0.000430	0.00500	1	06/26/2020 04:19	WG1499413
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/26/2020 04:19	WG1499413
Methyl tert-butyl ether	0.00242		0.000101	0.00100	1	06/26/2020 04:19	WG1499413
Naphthalene	U		0.00100	0.00500	1	06/26/2020 04:19	WG1499413
n-Propylbenzene	U		0.0000993	0.00100	1	06/26/2020 04:19	WG1499413
Styrene	U		0.000118	0.00100	1	06/26/2020 04:19	WG1499413
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/26/2020 04:19	WG1499413
1,1,2,2-Tetrachloroethane	0.000145	J	0.000133	0.00100	1	06/26/2020 04:19	WG1499413
Tetrachloroethene	U		0.000300	0.00100	1	06/26/2020 04:19	WG1499413
Toluene	U		0.000278	0.00100	1	06/26/2020 04:19	WG1499413
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/26/2020 04:19	WG1499413
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/26/2020 04:19	WG1499413
Trichloroethene	U		0.000190	0.00100	1	06/26/2020 04:19	WG1499413
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/26/2020 04:19	WG1499413
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/26/2020 04:19	WG1499413
Vinyl chloride	U		0.000234	0.00100	1	06/26/2020 04:19	WG1499413
o-Xylene	U		0.000174	0.00100	1	06/26/2020 04:19	WG1499413
m&p-Xylene	U		0.000430	0.00200	1	06/26/2020 04:19	WG1499413
Xylenes, Total	U		0.000174	0.00300	1	06/26/2020 04:19	WG1499413
(S) Toluene-d8	*106*			*80.0-120*		*06/26/2020 04:19*	WG1499413
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*06/26/2020 04:19*	WG1499413
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*06/26/2020 04:19*	WG1499413

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.91		0.0247	0.100	1	06/29/2020 05:10	WG1497647
(S) o-Terphenyl	*82.6*			*31.0-160*		*06/29/2020 05:10*	WG1497647

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4970		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 20:18	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1300		37.9	100	100	06/28/2020 00:25	WG1498053
Fluoride	0.933		0.0640	0.150	1	06/28/2020 00:07	WG1498053
Sulfate	1930		59.4	500	100	06/28/2020 00:25	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0143		0.000735	0.00200	1	06/27/2020 21:43	WG1498754
Arsenic,Dissolved	0.0142		0.000735	0.00200	1	06/27/2020 17:59	WG1498732
Barium	0.0132	J	0.00778	0.0200	1	06/27/2020 21:43	WG1498754
Barium,Dissolved	0.0131	J	0.00778	0.0200	1	06/27/2020 17:59	WG1498732
Calcium	445		0.480	1.00	1	06/27/2020 21:43	WG1498754
Chromium	U		0.00149	0.00200	1	06/27/2020 21:43	WG1498754
Chromium,Dissolved	U		0.00149	0.00200	1	06/27/2020 17:59	WG1498732
Iron	0.199		0.0489	0.100	1	06/27/2020 21:43	WG1498754
Iron,Dissolved	0.176		0.0489	0.100	1	06/27/2020 17:59	WG1498732
Lead	U		0.00249	0.00500	1	06/27/2020 21:43	WG1498754
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 17:59	WG1498732
Manganese	2.13	V	0.00132	0.00500	1	06/27/2020 21:43	WG1498754
Manganese,Dissolved	2.11		0.00132	0.00500	1	06/27/2020 17:59	WG1498732
Potassium	3.25		0.534	2.00	1	06/27/2020 21:43	WG1498754
Selenium	U		0.000657	0.00200	1	06/27/2020 21:43	WG1498754
Selenium,Dissolved	U		0.000657	0.00200	1	06/27/2020 17:59	WG1498732
Sodium	982	V	0.630	2.00	1	06/27/2020 21:43	WG1498754

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.931		0.0314	0.100	1	06/26/2020 07:55	WG1499250
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*06/26/2020 07:55*	WG1499250

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 04:52	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 04:52	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 04:52	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 04:52	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 04:52	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 04:52	WG1497747
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 04:52	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 04:52	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 04:52	WG1497747

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 04:52	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 04:52	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 04:52	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 04:52	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 04:52	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 04:52	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 04:52	WG1497747
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 04:52	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 04:52	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 04:52	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 04:52	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 04:52	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 04:52	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 04:52	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 04:52	WG1497747
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 04:52	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 04:52	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 04:52	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 04:52	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 04:52	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 04:52	WG1497747
Methyl tert-butyl ether	0.00136		0.000101	0.00100	1	06/24/2020 04:52	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 04:52	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 04:52	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 04:52	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 04:52	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 04:52	WG1497747
Tetrachloroethene	U	J4	0.000300	0.00100	1	06/24/2020 04:52	WG1497747
Toluene	U		0.000278	0.00100	1	06/24/2020 04:52	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 04:52	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 04:52	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 04:52	WG1497747
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 04:52	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 04:52	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 04:52	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 04:52	WG1497747
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 04:52	WG1497747
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 04:52	WG1497747
(S) Toluene-d8	*97.8*			*80.0-120*		*06/24/2020 04:52*	WG1497747
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*06/24/2020 04:52*	WG1497747
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*06/24/2020 04:52*	WG1497747

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.57		0.0247	0.100	1	06/29/2020 04:49	WG1497647
(S) o-Terphenyl	*80.5*			*31.0-160*		*06/29/2020 04:49*	WG1497647

Received by OCD: 11/22/2022 9:46:04 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5380		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 20:19	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1420		37.9	100	100	06/28/2020 01:01	WG1498053
Fluoride	1.04		0.0640	0.150	1	06/28/2020 00:43	WG1498053
Sulfate	2140		59.4	500	100	06/28/2020 01:01	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0185		0.000735	0.00200	1	06/27/2020 21:57	WG1498754
Arsenic,Dissolved	0.0178		0.000735	0.00200	1	06/27/2020 18:02	WG1498732
Barium	0.0328		0.00778	0.0200	1	06/27/2020 21:57	WG1498754
Barium,Dissolved	0.0316		0.00778	0.0200	1	06/27/2020 18:02	WG1498732
Calcium	513		0.480	1.00	1	06/27/2020 21:57	WG1498754
Chromium	U		0.00149	0.00200	1	06/27/2020 21:57	WG1498754
Chromium,Dissolved	U		0.00149	0.00200	1	06/27/2020 18:02	WG1498732
Iron	0.0870	J	0.0489	0.100	1	06/27/2020 21:57	WG1498754
Iron,Dissolved	U		0.0489	0.100	1	06/27/2020 18:02	WG1498732
Lead	U		0.00249	0.00500	1	06/27/2020 21:57	WG1498754
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 18:02	WG1498732
Manganese	3.19		0.00132	0.00500	1	06/27/2020 21:57	WG1498754
Manganese,Dissolved	3.21		0.00132	0.00500	1	06/27/2020 18:02	WG1498732
Potassium	3.54		0.534	2.00	1	06/27/2020 21:57	WG1498754
Selenium	U		0.000657	0.00200	1	06/27/2020 21:57	WG1498754
Selenium,Dissolved	U		0.000657	0.00200	1	06/27/2020 18:02	WG1498732
Sodium	984		3.15	10.0	5	06/29/2020 00:58	WG1498754

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	2.03		0.0314	0.100	1	06/26/2020 08:18	WG1499250
(S) a,a,a-Trifluorotoluene(FID)	*111*			*78.0-120*		*06/26/2020 08:18*	WG1499250

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 05:16	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 05:16	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 05:16	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 05:16	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 05:16	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 05:16	WG1497747
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 05:16	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 05:16	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 05:16	WG1497747

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Received by OCD: 11/22/2022 9:46:04 AM

MW-123
Collected date/time: 06/17/20 08:55
L1231207

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 05:16	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 05:16	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 05:16	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 05:16	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 05:16	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 05:16	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 05:16	WG1497747
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 05:16	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 05:16	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 05:16	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 05:16	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 05:16	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 05:16	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 05:16	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 05:16	WG1497747
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 05:16	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 05:16	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 05:16	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 05:16	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 05:16	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 05:16	WG1497747
Methyl tert-butyl ether	0.00149		0.000101	0.00100	1	06/24/2020 05:16	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 05:16	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 05:16	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 05:16	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 05:16	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 05:16	WG1497747
Tetrachloroethene	U	J4	0.000300	0.00100	1	06/24/2020 05:16	WG1497747
Toluene	U		0.000278	0.00100	1	06/24/2020 05:16	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 05:16	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 05:16	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 05:16	WG1497747
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 05:16	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 05:16	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 05:16	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 05:16	WG1497747
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 05:16	WG1497747
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 05:16	WG1497747
(S) Toluene-d8	*106*			*80.0-120*		*06/24/2020 05:16*	WG1497747
(S) 4-Bromofluorobenzene	*117*			*77.0-126*		*06/24/2020 05:16*	WG1497747
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*06/24/2020 05:16*	WG1497747

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.01		0.0247	0.100	1	06/26/2020 03:40	WG1497647
(S) o-Terphenyl	*75.8*			*31.0-160*		*06/26/2020 03:40*	WG1497647

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

MW-1R
Collected date/time: 06/17/20 10:00
L1231207

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3200		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 20:21	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1430		37.9	100	100	06/28/2020 01:37	WG1498053
Fluoride	0.732		0.0640	0.150	1	06/28/2020 01:19	WG1498053
Sulfate	2060		59.4	500	100	06/28/2020 01:37	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00119	J	0.000735	0.00200	1	06/27/2020 22:01	WG1498754
Arsenic,Dissolved	0.00118	J	0.000735	0.00200	1	06/27/2020 18:31	WG1498732
Barium	0.0219		0.00778	0.0200	1	06/27/2020 22:01	WG1498754
Barium,Dissolved	0.0199	J	0.00778	0.0200	1	06/27/2020 18:31	WG1498732
Calcium	540		0.480	1.00	1	06/27/2020 22:01	WG1498754
Chromium	U		0.00149	0.00200	1	06/27/2020 22:01	WG1498754
Chromium,Dissolved	U		0.00149	0.00200	1	06/27/2020 18:31	WG1498732
Iron	1.87		0.0489	0.100	1	06/27/2020 22:01	WG1498754
Iron,Dissolved	1.62		0.0489	0.100	1	06/27/2020 18:31	WG1498732
Lead	U		0.00249	0.00500	1	06/27/2020 22:01	WG1498754
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 18:31	WG1498732
Manganese	1.30		0.00132	0.00500	1	06/27/2020 22:01	WG1498754
Manganese,Dissolved	1.37		0.00132	0.00500	1	06/27/2020 18:31	WG1498732
Potassium	4.01		0.534	2.00	1	06/27/2020 22:01	WG1498754
Selenium	U		0.000657	0.00200	1	06/27/2020 22:01	WG1498754
Selenium,Dissolved	U		0.000657	0.00200	1	06/27/2020 18:31	WG1498732
Sodium	831		0.630	2.00	1	06/27/2020 22:01	WG1498754

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 05:40	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 05:40	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 05:40	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 05:40	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 05:40	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 05:40	WG1497747
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 05:40	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 05:40	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 05:40	WG1497747
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 05:40	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 05:40	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 05:40	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 05:40	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 05:40	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 05:40	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 05:40	WG1497747

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 05:40	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 05:40	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 05:40	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 05:40	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 05:40	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 05:40	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 05:40	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 05:40	WG1497747
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 05:40	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 05:40	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 05:40	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 05:40	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 05:40	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 05:40	WG1497747
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/24/2020 05:40	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 05:40	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 05:40	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 05:40	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 05:40	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 05:40	WG1497747
Tetrachloroethene	U		0.000300	0.00100	1	06/26/2020 04:39	WG1499413
Toluene	U		0.000278	0.00100	1	06/24/2020 05:40	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 05:40	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 05:40	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 05:40	WG1497747
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 05:40	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 05:40	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 05:40	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 05:40	WG1497747
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 05:40	WG1497747
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 05:40	WG1497747
(S) Toluene-d8	*103*			*80.0-120*		*06/24/2020 05:40*	WG1497747
(S) Toluene-d8	*106*			*80.0-120*		*06/26/2020 04:39*	WG1499413
(S) 4-Bromofluorobenzene	*119*			*77.0-126*		*06/24/2020 05:40*	WG1497747
(S) 4-Bromofluorobenzene	*98.0*			*77.0-126*		*06/26/2020 04:39*	WG1499413
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*06/24/2020 05:40*	WG1497747
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/26/2020 04:39*	WG1499413

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/26/2020 04:00	WG1497647
(S) o-Terphenyl	*64.2*			*31.0-160*		*06/26/2020 04:00*	WG1497647

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3830		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 20:22	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1200		37.9	100	100	06/28/2020 02:12	WG1498053
Fluoride	0.610		0.0640	0.150	1	06/28/2020 01:55	WG1498053
Sulfate	1440		59.4	500	100	06/28/2020 02:12	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00841		0.000735	0.00200	1	06/27/2020 22:04	WG1498754
Arsenic,Dissolved	0.00780		0.000735	0.00200	1	06/27/2020 18:35	WG1498732
Barium	0.0175	J	0.00778	0.0200	1	06/27/2020 22:04	WG1498754
Barium,Dissolved	0.0156	J	0.00778	0.0200	1	06/27/2020 18:35	WG1498732
Calcium	480		0.480	1.00	1	06/27/2020 22:04	WG1498754
Chromium	U		0.00149	0.00200	1	06/27/2020 22:04	WG1498754
Chromium,Dissolved	U		0.00149	0.00200	1	06/27/2020 18:35	WG1498732
Iron	U		0.0489	0.100	1	06/27/2020 22:04	WG1498754
Iron,Dissolved	U		0.0489	0.100	1	06/27/2020 18:35	WG1498732
Lead	U		0.00249	0.00500	1	06/27/2020 22:04	WG1498754
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 18:35	WG1498732
Manganese	0.547		0.00132	0.00500	1	06/27/2020 22:04	WG1498754
Manganese,Dissolved	0.543		0.00132	0.00500	1	06/27/2020 18:35	WG1498732
Potassium	5.52		0.534	2.00	1	06/27/2020 22:04	WG1498754
Selenium	U		0.000657	0.00200	1	06/27/2020 22:04	WG1498754
Selenium,Dissolved	U		0.000657	0.00200	1	06/27/2020 18:35	WG1498732
Sodium	563		0.630	2.00	1	06/27/2020 22:04	WG1498754

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/26/2020 11:51	WG1499644
(S) a,a,a-Trifluorotoluene(FID)	*95.6*			*78.0-120*		*06/26/2020 11:51*	WG1499644

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 06:03	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 06:03	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 06:03	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 06:03	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 06:03	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 06:03	WG1497747
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 06:03	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 06:03	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 06:03	WG1497747

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 06:03	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 06:03	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 06:03	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 06:03	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 06:03	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 06:03	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 06:03	WG1497747
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 06:03	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 06:03	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 06:03	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 06:03	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 06:03	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 06:03	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 06:03	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 06:03	WG1497747
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 06:03	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 06:03	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 06:03	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 06:03	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 06:03	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 06:03	WG1497747
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/24/2020 06:03	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 06:03	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 06:03	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 06:03	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 06:03	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 06:03	WG1497747
Tetrachloroethene	U		0.000300	0.00100	1	06/26/2020 05:00	WG1499413
Toluene	U		0.000278	0.00100	1	06/24/2020 06:03	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 06:03	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 06:03	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 06:03	WG1497747
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 06:03	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 06:03	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 06:03	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 06:03	WG1497747
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 06:03	WG1497747
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 06:03	WG1497747
(S) Toluene-d8	*104*			*80.0-120*		*06/24/2020 06:03*	WG1497747
(S) Toluene-d8	*108*			*80.0-120*		*06/26/2020 05:00*	WG1499413
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*06/24/2020 06:03*	WG1497747
(S) 4-Bromofluorobenzene	*99.2*			*77.0-126*		*06/26/2020 05:00*	WG1499413
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*06/24/2020 06:03*	WG1497747
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/26/2020 05:00*	WG1499413

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/26/2020 04:20	WG1497647
(S) o-Terphenyl	*63.7*			*31.0-160*		*06/26/2020 04:20*	WG1497647

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5850		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0815	B J	0.0500	0.100	1	06/29/2020 20:27	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1640		37.9	100	100	06/28/2020 02:48	WG1498053
Fluoride	2.60		0.320	0.750	5	06/28/2020 02:30	WG1498053
Sulfate	2350		59.4	500	100	06/28/2020 02:48	WG1498053

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00374		0.000735	0.00200	1	06/27/2020 22:07	WG1498754
Arsenic,Dissolved	0.00322		0.000735	0.00200	1	06/27/2020 18:38	WG1498732
Barium	0.0202		0.00778	0.0200	1	06/27/2020 22:07	WG1498754
Barium,Dissolved	0.0186	J	0.00778	0.0200	1	06/27/2020 18:38	WG1498732
Calcium	599		0.480	1.00	1	06/27/2020 22:07	WG1498754
Chromium	U		0.00149	0.00200	1	06/27/2020 22:07	WG1498754
Chromium,Dissolved	U		0.00149	0.00200	1	06/27/2020 18:38	WG1498732
Iron	1.19		0.0489	0.100	1	06/27/2020 22:07	WG1498754
Iron,Dissolved	1.07		0.0489	0.100	1	06/27/2020 18:38	WG1498732
Lead	U		0.00249	0.00500	1	06/27/2020 22:07	WG1498754
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 18:38	WG1498732
Manganese	2.06		0.00132	0.00500	1	06/27/2020 22:07	WG1498754
Manganese,Dissolved	1.98		0.00132	0.00500	1	06/27/2020 18:38	WG1498732
Potassium	3.82		0.534	2.00	1	06/27/2020 22:07	WG1498754
Selenium	U		0.000657	0.00200	1	06/27/2020 22:07	WG1498754
Selenium,Dissolved	U		0.000657	0.00200	1	06/27/2020 18:38	WG1498732
Sodium	986		3.15	10.0	5	06/29/2020 00:32	WG1498754

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/26/2020 12:13	WG1499644
(S) a,a,a-Trifluorotoluene(FID)	*95.6*			*78.0-120*		*06/26/2020 12:13*	WG1499644

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 06:27	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 06:27	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 06:27	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 06:27	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 06:27	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 06:27	WG1497747
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 06:27	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 06:27	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 06:27	WG1497747

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 06:27	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 06:27	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 06:27	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 06:27	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 06:27	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 06:27	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 06:27	WG1497747
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 06:27	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 06:27	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 06:27	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 06:27	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 06:27	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 06:27	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 06:27	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 06:27	WG1497747
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 06:27	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 06:27	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 06:27	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 06:27	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 06:27	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 06:27	WG1497747
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/24/2020 06:27	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 06:27	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 06:27	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 06:27	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 06:27	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 06:27	WG1497747
Tetrachloroethene	U		0.000300	0.00100	1	06/26/2020 05:21	WG1499413
Toluene	U		0.000278	0.00100	1	06/24/2020 06:27	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 06:27	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 06:27	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 06:27	WG1497747
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 06:27	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 06:27	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 06:27	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 06:27	WG1497747
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 06:27	WG1497747
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 06:27	WG1497747
(S) Toluene-d8	*107*			*80.0-120*		*06/24/2020 06:27*	WG1497747
(S) Toluene-d8	*107*			*80.0-120*		*06/26/2020 05:21*	WG1499413
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*06/24/2020 06:27*	WG1497747
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/26/2020 05:21*	WG1499413
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*06/24/2020 06:27*	WG1497747
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/26/2020 05:21*	WG1499413

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.110		0.0247	0.100	1	06/26/2020 04:40	WG1497647
(S) o-Terphenyl	*116*			*31.0-160*		*06/26/2020 04:40*	WG1497647

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5020		28.2	100	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 20:28	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1290		37.9	100	100	06/26/2020 08:46	WG1498060
Fluoride	0.853		0.0640	0.150	1	06/26/2020 08:29	WG1498060
Sulfate	2240		59.4	500	100	06/26/2020 08:46	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00147	J	0.000735	0.00200	1	06/27/2020 22:18	WG1498754
Arsenic,Dissolved	0.00138	J	0.000735	0.00200	1	06/27/2020 16:51	WG1498732
Barium	0.0206		0.00778	0.0200	1	06/27/2020 22:18	WG1498754
Barium,Dissolved	0.0201		0.00778	0.0200	1	06/27/2020 16:51	WG1498732
Calcium	609		0.480	1.00	1	06/27/2020 22:18	WG1498754
Chromium	U		0.00149	0.00200	1	06/27/2020 22:18	WG1498754
Chromium,Dissolved	U		0.00149	0.00200	1	06/27/2020 16:51	WG1498732
Iron	1.85		0.0489	0.100	1	06/27/2020 22:18	WG1498754
Iron,Dissolved	1.95		0.0489	0.100	1	06/27/2020 16:51	WG1498732
Lead	U		0.00249	0.00500	1	06/27/2020 22:18	WG1498754
Lead,Dissolved	U		0.00249	0.00500	1	06/27/2020 16:51	WG1498732
Manganese	1.32		0.00132	0.00500	1	06/27/2020 22:18	WG1498754
Manganese,Dissolved	1.48	V	0.00132	0.00500	1	06/27/2020 16:51	WG1498732
Potassium	4.93		0.534	2.00	1	06/27/2020 22:18	WG1498754
Selenium	U		0.000657	0.00200	1	06/27/2020 22:18	WG1498754
Selenium,Dissolved	U		0.000657	0.00200	1	06/27/2020 16:51	WG1498732
Sodium	755		0.630	2.00	1	06/27/2020 22:18	WG1498754

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/26/2020 12:35	WG1499644
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*78.0-120*		*06/26/2020 12:35*	WG1499644

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 06:51	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 06:51	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 06:51	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 06:51	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 06:51	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 06:51	WG1497747
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 06:51	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 06:51	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 06:51	WG1497747

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 06:51	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 06:51	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 06:51	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 06:51	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 06:51	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 06:51	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 06:51	WG1497747
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 06:51	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 06:51	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 06:51	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 06:51	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 06:51	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 06:51	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 06:51	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 06:51	WG1497747
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 06:51	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 06:51	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 06:51	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 06:51	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 06:51	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 06:51	WG1497747
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/24/2020 06:51	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 06:51	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 06:51	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 06:51	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 06:51	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 06:51	WG1497747
Tetrachloroethene	U		0.000300	0.00100	1	06/26/2020 05:42	WG1499413
Toluene	U		0.000278	0.00100	1	06/24/2020 06:51	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 06:51	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 06:51	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 06:51	WG1497747
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 06:51	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 06:51	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 06:51	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 06:51	WG1497747
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 06:51	WG1497747
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 06:51	WG1497747
(S) Toluene-d8	*106*			*80.0-120*		*06/24/2020 06:51*	WG1497747
(S) Toluene-d8	*107*			*80.0-120*		*06/26/2020 05:42*	WG1499413
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*06/24/2020 06:51*	WG1497747
(S) 4-Bromofluorobenzene	*99.1*			*77.0-126*		*06/26/2020 05:42*	WG1499413
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*06/24/2020 06:51*	WG1497747
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/26/2020 05:42*	WG1499413

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/26/2020 05:00	WG1497647
(S) o-Terphenyl	*64.7*			*31.0-160*		*06/26/2020 05:00*	WG1497647

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3150		14.1	50.0	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.0713	B J	0.0500	0.100	1	06/29/2020 20:31	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	585		19.0	50.0	50	06/26/2020 09:20	WG1498060
Fluoride	1.10		0.0640	0.150	1	06/26/2020 09:03	WG1498060
Sulfate	1580		29.7	250	50	06/26/2020 09:20	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000791	J	0.000735	0.00200	1	06/27/2020 22:21	WG1498754
Arsenic,Dissolved	0.000822	J	0.000735	0.00200	1	06/26/2020 18:26	WG1498733
Barium	0.0168	J	0.00778	0.0200	1	06/27/2020 22:21	WG1498754
Barium,Dissolved	0.0181	J	0.00778	0.0200	1	06/26/2020 18:26	WG1498733
Calcium	375		0.480	1.00	1	06/27/2020 22:21	WG1498754
Chromium	U		0.00149	0.00200	1	06/27/2020 22:21	WG1498754
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 18:26	WG1498733
Iron	0.174		0.0489	0.100	1	06/27/2020 22:21	WG1498754
Iron,Dissolved	0.102		0.0489	0.100	1	06/26/2020 18:26	WG1498733
Lead	U		0.00249	0.00500	1	06/27/2020 22:21	WG1498754
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 18:26	WG1498733
Manganese	0.511		0.00132	0.00500	1	06/27/2020 22:21	WG1498754
Manganese,Dissolved	0.511		0.00132	0.00500	1	06/26/2020 18:26	WG1498733
Potassium	7.17		0.534	2.00	1	06/27/2020 22:21	WG1498754
Selenium	U		0.000657	0.00200	1	06/27/2020 22:21	WG1498754
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 18:26	WG1498733
Sodium	446		0.630	2.00	1	06/27/2020 22:21	WG1498754

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/26/2020 12:57	WG1499644
(S) a,a,a-Trifluorotoluene(FID)	*95.8*			*78.0-120*		*06/26/2020 12:57*	WG1499644

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 07:15	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 07:15	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 07:15	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 07:15	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 07:15	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 07:15	WG1497747
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 07:15	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 07:15	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 07:15	WG1497747

Received by OCD: 11/22/2022 9:46:04 AM

Collected date/time: 06/17/20 11:45 L1231207

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 07:15	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 07:15	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 07:15	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 07:15	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 07:15	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 07:15	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 07:15	WG1497747
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 07:15	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 07:15	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 07:15	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 07:15	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 07:15	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 07:15	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 07:15	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 07:15	WG1497747
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 07:15	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 07:15	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 07:15	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 07:15	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 07:15	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 07:15	WG1497747
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/24/2020 07:15	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 07:15	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 07:15	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 07:15	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 07:15	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 07:15	WG1497747
Tetrachloroethene	0.000862	B J J4	0.000300	0.00100	1	06/24/2020 07:15	WG1497747
Toluene	U		0.000278	0.00100	1	06/24/2020 07:15	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 07:15	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 07:15	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 07:15	WG1497747
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 07:15	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 07:15	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 07:15	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 07:15	WG1497747
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 07:15	WG1497747
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 07:15	WG1497747
(S) Toluene-d8	*109*			*80.0-120*		*06/24/2020 07:15*	WG1497747
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*06/24/2020 07:15*	WG1497747
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*06/24/2020 07:15*	WG1497747

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/28/2020 11:46	WG1497648
(S) o-Terphenyl	*76.3*			*31.0-160*		*06/28/2020 11:46*	WG1497648

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Dissolved Solids	12700		56.4	200	1	06/25/2020 00:16	WG1498149

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 20:32	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	5000		37.9	100	100	06/26/2020 17:25	WG1498060
Fluoride	0.990		0.0640	0.150	1	06/26/2020 09:36	WG1498060
Sulfate	3300		59.4	500	100	06/26/2020 17:25	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00325		0.000735	0.00200	1	06/27/2020 22:25	WG1498754
Arsenic,Dissolved	0.00262		0.000735	0.00200	1	06/26/2020 18:29	WG1498733
Barium	0.0229		0.00778	0.0200	1	06/27/2020 22:25	WG1498754
Barium,Dissolved	0.0233		0.00778	0.0200	1	06/26/2020 18:29	WG1498733
Calcium	840		0.480	1.00	1	06/27/2020 22:25	WG1498754
Chromium	U		0.00149	0.00200	1	06/27/2020 22:25	WG1498754
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 18:29	WG1498733
Iron	3.26		0.0489	0.100	1	06/27/2020 22:25	WG1498754
Iron,Dissolved	2.66		0.0489	0.100	1	06/26/2020 18:29	WG1498733
Lead	U		0.00249	0.00500	1	06/27/2020 22:25	WG1498754
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 18:29	WG1498733
Manganese	0.300		0.00132	0.00500	1	06/27/2020 22:25	WG1498754
Manganese,Dissolved	0.293		0.00132	0.00500	1	06/26/2020 18:29	WG1498733
Potassium	33.5		0.534	2.00	1	06/27/2020 22:25	WG1498754
Selenium	U		0.000657	0.00200	1	06/27/2020 22:25	WG1498754
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 18:29	WG1498733
Sodium	2580		3.15	10.0	5	06/29/2020 00:36	WG1498754

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/26/2020 13:20	WG1499644
(S) a,a,a-Trifluorotoluene(FID)	*92.8*			*78.0-120*		*06/26/2020 13:20*	WG1499644

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/24/2020 07:38	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 07:38	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 07:38	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 07:38	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 07:38	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 07:38	WG1497747
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 07:38	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 07:38	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 07:38	WG1497747

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 07:38	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 07:38	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 07:38	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 07:38	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 07:38	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 07:38	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 07:38	WG1497747
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 07:38	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 07:38	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 07:38	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 07:38	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 07:38	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 07:38	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 07:38	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 07:38	WG1497747
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 07:38	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 07:38	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 07:38	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 07:38	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 07:38	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 07:38	WG1497747
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/24/2020 07:38	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 07:38	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 07:38	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 07:38	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 07:38	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 07:38	WG1497747
Tetrachloroethene	U		0.000300	0.00100	1	06/26/2020 06:02	WG1499413
Toluene	U		0.000278	0.00100	1	06/24/2020 07:38	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 07:38	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 07:38	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 07:38	WG1497747
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 07:38	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 07:38	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 07:38	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 07:38	WG1497747
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 07:38	WG1497747
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 07:38	WG1497747
(S) Toluene-d8	*104*			*80.0-120*		*06/24/2020 07:38*	WG1497747
(S) Toluene-d8	*109*			*80.0-120*		*06/26/2020 06:02*	WG1499413
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*06/24/2020 07:38*	WG1497747
(S) 4-Bromofluorobenzene	*98.7*			*77.0-126*		*06/26/2020 06:02*	WG1499413
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*06/24/2020 07:38*	WG1497747
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/26/2020 06:02*	WG1499413

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/28/2020 12:08	WG1497648
(S) o-Terphenyl	*74.2*			*31.0-160*		*06/28/2020 12:08*	WG1497648

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	18400	J3 J4	113	400	1	06/24/2020 23:51	WG1498158

Sample Narrative:
L1231207-24 WG1498158: Confirmed on reanalysis

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 20:33	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	8800		37.9	100	100	06/26/2020 10:27	WG1498060
Fluoride	0.806		0.0640	0.150	1	06/26/2020 10:10	WG1498060
Sulfate	3210		59.4	500	100	06/26/2020 10:27	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	06/27/2020 22:28	WG1498754
Arsenic,Dissolved	U		0.000735	0.00200	1	06/26/2020 18:33	WG1498733
Barium	0.0294		0.00778	0.0200	1	06/27/2020 22:28	WG1498754
Barium,Dissolved	0.0310		0.00778	0.0200	1	06/26/2020 18:33	WG1498733
Calcium	1110		2.40	5.00	5	06/29/2020 00:39	WG1498754
Chromium	0.00339		0.00149	0.00200	1	06/27/2020 22:28	WG1498754
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 18:33	WG1498733
Iron	1.76		0.0489	0.100	1	06/27/2020 22:28	WG1498754
Iron,Dissolved	1.11		0.0489	0.100	1	06/26/2020 18:33	WG1498733
Lead	U		0.00249	0.00500	1	06/27/2020 22:28	WG1498754
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 18:33	WG1498733
Manganese	1.55		0.00132	0.00500	1	06/27/2020 22:28	WG1498754
Manganese,Dissolved	1.53		0.00132	0.00500	1	06/26/2020 18:33	WG1498733
Potassium	19.9		0.534	2.00	1	06/27/2020 22:28	WG1498754
Selenium	U		0.000657	0.00200	1	06/27/2020 22:28	WG1498754
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 18:33	WG1498733
Sodium	4410		3.15	10.0	5	06/29/2020 00:39	WG1498754

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/26/2020 13:42	WG1499644
(S) a,a,a-Trifluorotoluene(FID)	*92.9*			*78.0-120*		*06/26/2020 13:42*	WG1499644

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 08:02	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 08:02	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 08:02	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 08:02	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 08:02	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 08:02	WG1497747

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 08:02	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 08:02	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 08:02	WG1497747
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 08:02	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 08:02	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 08:02	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 08:02	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 08:02	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 08:02	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 08:02	WG1497747
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 08:02	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 08:02	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 08:02	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 08:02	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 08:02	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 08:02	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 08:02	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 08:02	WG1497747
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 08:02	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 08:02	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 08:02	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 08:02	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 08:02	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 08:02	WG1497747
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/24/2020 08:02	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 08:02	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 08:02	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 08:02	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 08:02	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 08:02	WG1497747
Tetrachloroethene	U		0.000300	0.00100	1	06/26/2020 06:23	WG1499413
Toluene	U		0.000278	0.00100	1	06/24/2020 08:02	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 08:02	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 08:02	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 08:02	WG1497747
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 08:02	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 08:02	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 08:02	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 08:02	WG1497747
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 08:02	WG1497747
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 08:02	WG1497747
(S) Toluene-d8	*105*			*80.0-120*		*06/24/2020 08:02*	WG1497747
(S) Toluene-d8	*106*			*80.0-120*		*06/26/2020 06:23*	WG1499413
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*06/24/2020 08:02*	WG1497747
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*06/26/2020 06:23*	WG1499413
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*06/24/2020 08:02*	WG1497747
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/26/2020 06:23*	WG1499413

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/28/2020 12:31	WG1497648
(S) o-Terphenyl	*73.2*			*31.0-160*		*06/28/2020 12:31*	WG1497648

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	10700	J4	56.4	200	1	06/24/2020 23:51	WG1498158

Sample Narrative:
L1231207-25 WG1498158: Confirmed on reanalysis

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 20:34	WG1499272

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	4770		37.9	100	100	06/26/2020 11:01	WG1498060
Fluoride	0.950		0.0640	0.150	1	06/26/2020 10:44	WG1498060
Sulfate	3490		59.4	500	100	06/26/2020 11:01	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0146		0.000735	0.00200	1	06/27/2020 22:31	WG1498754
Arsenic,Dissolved	0.0123		0.000735	0.00200	1	06/26/2020 18:36	WG1498733
Barium	0.0256		0.00778	0.0200	1	06/27/2020 22:31	WG1498754
Barium,Dissolved	0.0239		0.00778	0.0200	1	06/26/2020 18:36	WG1498733
Calcium	824		0.480	1.00	1	06/27/2020 22:31	WG1498754
Chromium	U		0.00149	0.00200	1	06/27/2020 22:31	WG1498754
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 18:36	WG1498733
Iron	8.25		0.0489	0.100	1	06/27/2020 22:31	WG1498754
Iron,Dissolved	3.04		0.0489	0.100	1	06/26/2020 18:36	WG1498733
Lead	U		0.00249	0.00500	1	06/27/2020 22:31	WG1498754
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 18:36	WG1498733
Manganese	0.279		0.00132	0.00500	1	06/27/2020 22:31	WG1498754
Manganese,Dissolved	0.293		0.00132	0.00500	1	06/26/2020 18:36	WG1498733
Potassium	37.3		0.534	2.00	1	06/27/2020 22:31	WG1498754
Selenium	U		0.000657	0.00200	1	06/27/2020 22:31	WG1498754
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 18:36	WG1498733
Sodium	2660		3.15	10.0	5	06/29/2020 00:43	WG1498754

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.09		0.0314	0.100	1	06/26/2020 14:04	WG1499644
(S) a,a,a-Trifluorotoluene(FID)	*92.3*			*78.0-120*		*06/26/2020 14:04*	WG1499644

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 08:26	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 08:26	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 08:26	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 08:26	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 08:26	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 08:26	WG1497747

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 08:26	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 08:26	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 08:26	WG1497747
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 08:26	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 08:26	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 08:26	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 08:26	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 08:26	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 08:26	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 08:26	WG1497747
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 08:26	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 08:26	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 08:26	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 08:26	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 08:26	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 08:26	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 08:26	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 08:26	WG1497747
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 08:26	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 08:26	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 08:26	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 08:26	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 08:26	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 08:26	WG1497747
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/24/2020 08:26	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 08:26	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 08:26	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 08:26	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 08:26	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 08:26	WG1497747
Tetrachloroethene	U	J4	0.000300	0.00100	1	06/24/2020 08:26	WG1497747
Toluene	U		0.000278	0.00100	1	06/24/2020 08:26	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 08:26	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 08:26	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 08:26	WG1497747
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 08:26	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 08:26	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 08:26	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 08:26	WG1497747
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 08:26	WG1497747
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 08:26	WG1497747
(S) Toluene-d8	*103*			*80.0-120*		*06/24/2020 08:26*	WG1497747
(S) 4-Bromofluorobenzene	*116*			*77.0-126*		*06/24/2020 08:26*	WG1497747
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*06/24/2020 08:26*	WG1497747

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.773		0.123	0.500	5	06/29/2020 13:00	WG1497648
(S) o-Terphenyl	*83.7*			*31.0-160*		*06/29/2020 13:00*	WG1497648

Received by OCD: 11/22/2022 9:46:04 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	11300	J4	56.4	200	1	06/24/2020 23:51	WG1498158

Sample Narrative:
L1231207-26 WG1498158: Confirmed on reanalysis

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 17:48	WG1499273

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	4450		37.9	100	100	06/26/2020 12:09	WG1498060
Fluoride	1.02		0.0640	0.150	1	06/26/2020 11:52	WG1498060
Sulfate	3330		59.4	500	100	06/26/2020 12:09	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0311		0.000735	0.00200	1	06/27/2020 22:35	WG1498754
Arsenic,Dissolved	0.0281		0.000735	0.00200	1	06/26/2020 19:10	WG1498733
Barium	0.0177	J	0.00778	0.0200	1	06/27/2020 22:35	WG1498754
Barium,Dissolved	0.0163	J	0.00778	0.0200	1	06/26/2020 19:10	WG1498733
Calcium	566		0.480	1.00	1	06/27/2020 22:35	WG1498754
Chromium	U		0.00149	0.00200	1	06/27/2020 22:35	WG1498754
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 19:10	WG1498733
Iron	1.77		0.0489	0.100	1	06/27/2020 22:35	WG1498754
Iron,Dissolved	0.565		0.0489	0.100	1	06/26/2020 19:10	WG1498733
Lead	U		0.00249	0.00500	1	06/27/2020 22:35	WG1498754
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 19:10	WG1498733
Manganese	3.10		0.00132	0.00500	1	06/27/2020 22:35	WG1498754
Manganese,Dissolved	3.08		0.00132	0.00500	1	06/26/2020 19:10	WG1498733
Potassium	4.20		0.534	2.00	1	06/27/2020 22:35	WG1498754
Selenium	0.00171	J	0.000657	0.00200	1	06/27/2020 22:35	WG1498754
Selenium,Dissolved	0.00238		0.000657	0.00200	1	06/26/2020 19:10	WG1498733
Sodium	2270		3.15	10.0	5	06/29/2020 00:46	WG1498754

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	2.10		0.0314	0.100	1	06/26/2020 14:26	WG1499644
(S) a,a,a-Trifluorotoluene(FID)	*90.8*			*78.0-120*		*06/26/2020 14:26*	WG1499644

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 08:50	WG1497747
Benzene	U		0.0000941	0.00100	1	06/24/2020 08:50	WG1497747
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 08:50	WG1497747
Bromoform	U		0.000129	0.00100	1	06/24/2020 08:50	WG1497747
Bromomethane	U		0.000605	0.00500	1	06/24/2020 08:50	WG1497747
n-Butylbenzene	U	J4	0.000157	0.00100	1	06/24/2020 08:50	WG1497747

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

DUP-LI-02
Collected date/time: 06/17/20 10:00
L1231207

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U	J4	0.000125	0.00100	1	06/24/2020 08:50	WG1497747
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 08:50	WG1497747
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 08:50	WG1497747
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 08:50	WG1497747
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 08:50	WG1497747
Chloroethane	U		0.000192	0.00500	1	06/24/2020 08:50	WG1497747
Chloroform	U		0.000111	0.00500	1	06/24/2020 08:50	WG1497747
Chloromethane	U		0.000960	0.00250	1	06/24/2020 08:50	WG1497747
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 08:50	WG1497747
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 08:50	WG1497747
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 08:50	WG1497747
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 08:50	WG1497747
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 08:50	WG1497747
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 08:50	WG1497747
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 08:50	WG1497747
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 08:50	WG1497747
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 08:50	WG1497747
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 08:50	WG1497747
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 08:50	WG1497747
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 08:50	WG1497747
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 08:50	WG1497747
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 08:50	WG1497747
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 08:50	WG1497747
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 08:50	WG1497747
Methyl tert-butyl ether	0.00254		0.000101	0.00100	1	06/24/2020 08:50	WG1497747
Naphthalene	U		0.00100	0.00500	1	06/24/2020 08:50	WG1497747
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 08:50	WG1497747
Styrene	U		0.000118	0.00100	1	06/24/2020 08:50	WG1497747
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 08:50	WG1497747
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 08:50	WG1497747
Tetrachloroethene	U	J4	0.000300	0.00100	1	06/24/2020 08:50	WG1497747
Toluene	U		0.000278	0.00100	1	06/24/2020 08:50	WG1497747
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 08:50	WG1497747
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 08:50	WG1497747
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 08:50	WG1497747
1,2,4-Trimethylbenzene	0.000411	J	0.000322	0.00100	1	06/24/2020 08:50	WG1497747
1,3,5-Trimethylbenzene	U	J4	0.000104	0.00100	1	06/24/2020 08:50	WG1497747
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 08:50	WG1497747
o-Xylene	U		0.000174	0.00100	1	06/24/2020 08:50	WG1497747
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 08:50	WG1497747
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 08:50	WG1497747
(S) Toluene-d8	*101*			*80.0-120*		*06/24/2020 08:50*	WG1497747
(S) 4-Bromofluorobenzene	*122*			*77.0-126*		*06/24/2020 08:50*	WG1497747
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*06/24/2020 08:50*	WG1497747

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.72		0.0247	0.100	1	06/28/2020 22:38	WG1497648
(S) o-Terphenyl	*84.7*			*31.0-160*		*06/28/2020 22:38*	WG1497648

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4970	J4	28.2	100	1	06/24/2020 23:51	WG1498158

Sample Narrative:
L1231207-27 WG1498158: Confirmed on reanalysis

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 17:51	WG1499273

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1290		37.9	100	100	06/26/2020 12:59	WG1498060
Fluoride	2.52		0.0640	0.150	1	06/26/2020 12:26	WG1498060
Sulfate	2260		59.4	500	100	06/26/2020 12:59	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0299		0.000735	0.00200	1	06/27/2020 22:38	WG1498754
Arsenic,Dissolved	0.0301		0.000735	0.00200	1	06/26/2020 19:14	WG1498733
Barium	0.0152	J	0.00778	0.0200	1	06/27/2020 22:38	WG1498754
Barium,Dissolved	0.0134	J	0.00778	0.0200	1	06/26/2020 19:14	WG1498733
Calcium	553		0.480	1.00	1	06/27/2020 22:38	WG1498754
Chromium	U		0.00149	0.00200	1	06/27/2020 22:38	WG1498754
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 19:14	WG1498733
Iron	U		0.0489	0.100	1	06/27/2020 22:38	WG1498754
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 19:14	WG1498733
Lead	U		0.00249	0.00500	1	06/27/2020 22:38	WG1498754
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 19:14	WG1498733
Manganese	0.913		0.00132	0.00500	1	06/27/2020 22:38	WG1498754
Manganese,Dissolved	0.936		0.00132	0.00500	1	06/26/2020 19:14	WG1498733
Potassium	7.54		0.534	2.00	1	06/27/2020 22:38	WG1498754
Selenium	0.0100		0.000657	0.00200	1	06/27/2020 22:38	WG1498754
Selenium,Dissolved	0.00844		0.000657	0.00200	1	06/26/2020 19:14	WG1498733
Sodium	827		0.630	2.00	1	06/27/2020 22:38	WG1498754

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.691		0.0314	0.100	1	06/26/2020 14:48	WG1499644
(S) a,a,a-Trifluorotoluene(FID)	*90.3*			*78.0-120*		*06/26/2020 14:48*	WG1499644

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 15:07	WG1498067
Benzene	U		0.0000941	0.00100	1	06/24/2020 15:07	WG1498067
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 15:07	WG1498067
Bromoform	U		0.000129	0.00100	1	06/24/2020 15:07	WG1498067
Bromomethane	U	J3	0.000605	0.00500	1	06/24/2020 15:07	WG1498067
n-Butylbenzene	U		0.000157	0.00100	1	06/24/2020 15:07	WG1498067

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	0.000130	J	0.000125	0.00100	1	06/24/2020 15:07	WG1498067
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 15:07	WG1498067
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 15:07	WG1498067
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 15:07	WG1498067
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 15:07	WG1498067
Chloroethane	U		0.000192	0.00500	1	06/24/2020 15:07	WG1498067
Chloroform	U		0.000111	0.00500	1	06/24/2020 15:07	WG1498067
Chloromethane	U		0.000960	0.00250	1	06/24/2020 15:07	WG1498067
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 15:07	WG1498067
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 15:07	WG1498067
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 15:07	WG1498067
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 15:07	WG1498067
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 15:07	WG1498067
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 15:07	WG1498067
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 15:07	WG1498067
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 15:07	WG1498067
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 15:07	WG1498067
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 15:07	WG1498067
Isopropylbenzene	0.000341	J	0.000105	0.00100	1	06/24/2020 15:07	WG1498067
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 15:07	WG1498067
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 15:07	WG1498067
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 15:07	WG1498067
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 15:07	WG1498067
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 15:07	WG1498067
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/24/2020 15:07	WG1498067
Naphthalene	U		0.00100	0.00500	1	06/24/2020 15:07	WG1498067
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 15:07	WG1498067
Styrene	U		0.000118	0.00100	1	06/24/2020 15:07	WG1498067
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 15:07	WG1498067
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 15:07	WG1498067
Tetrachloroethene	U		0.000300	0.00100	1	06/24/2020 15:07	WG1498067
Toluene	U		0.000278	0.00100	1	06/24/2020 15:07	WG1498067
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 15:07	WG1498067
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 15:07	WG1498067
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 15:07	WG1498067
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 15:07	WG1498067
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/24/2020 15:07	WG1498067
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 15:07	WG1498067
o-Xylene	U		0.000174	0.00100	1	06/24/2020 15:07	WG1498067
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 15:07	WG1498067
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 15:07	WG1498067
(S) Toluene-d8	*102*			*80.0-120*		*06/24/2020 15:07*	WG1498067
(S) 4-Bromofluorobenzene	*94.8*			*77.0-126*		*06/24/2020 15:07*	WG1498067
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*06/24/2020 15:07*	WG1498067

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.98		0.123	0.500	5	06/29/2020 13:23	WG1497648
(S) o-Terphenyl	*96.8*			*31.0-160*		*06/29/2020 13:23*	WG1497648

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

LB-LT-04
Collected date/time: 06/17/20 12:10
L1231207

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	U	J4	2.82	10.0	1	06/24/2020 23:51	WG1498158

Sample Narrative:
L1231207-28 WG1498158: Confirmed on reanalysis

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	06/29/2020 17:52	WG1499273

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	06/26/2020 16:51	WG1498060
Fluoride	U		0.0640	0.150	1	06/26/2020 16:51	WG1498060
Sulfate	U		0.594	5.00	1	06/26/2020 16:51	WG1498060

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000735	0.00200	1	06/27/2020 22:42	WG1498754
Arsenic,Dissolved	U		0.000735	0.00200	1	06/26/2020 19:17	WG1498733
Barium	U		0.00778	0.0200	1	06/27/2020 22:42	WG1498754
Barium,Dissolved	U		0.00778	0.0200	1	06/26/2020 19:17	WG1498733
Calcium	U		0.480	1.00	1	06/27/2020 22:42	WG1498754
Chromium	U		0.00149	0.00200	1	06/27/2020 22:42	WG1498754
Chromium,Dissolved	U		0.00149	0.00200	1	06/26/2020 19:17	WG1498733
Iron	U		0.0489	0.100	1	06/27/2020 22:42	WG1498754
Iron,Dissolved	U		0.0489	0.100	1	06/26/2020 19:17	WG1498733
Lead	U		0.00249	0.00500	1	06/27/2020 22:42	WG1498754
Lead,Dissolved	U		0.00249	0.00500	1	06/26/2020 19:17	WG1498733
Manganese	U		0.00132	0.00500	1	06/27/2020 22:42	WG1498754
Manganese,Dissolved	U		0.00132	0.00500	1	06/26/2020 19:17	WG1498733
Potassium	U		0.534	2.00	1	06/27/2020 22:42	WG1498754
Selenium	U		0.000657	0.00200	1	06/27/2020 22:42	WG1498754
Selenium,Dissolved	U		0.000657	0.00200	1	06/26/2020 19:17	WG1498733
Sodium	1.32	B J	0.630	2.00	1	06/27/2020 22:42	WG1498754

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	06/26/2020 11:29	WG1499644
(S) a,a,a-Trifluorotoluene(FID)	*95.6*			*78.0-120*		*06/26/2020 11:29*	WG1499644

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	06/24/2020 08:40	WG1497977
Benzene	U		0.0000941	0.00100	1	06/24/2020 08:40	WG1497977
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 08:40	WG1497977
Bromoform	U		0.000129	0.00100	1	06/24/2020 08:40	WG1497977
Bromomethane	U		0.000605	0.00500	1	06/24/2020 08:40	WG1497977
n-Butylbenzene	U		0.000157	0.00100	1	06/24/2020 08:40	WG1497977

Released to Imaging: 11/22/2022 9:50:00 AM

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L1231207

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U		0.000125	0.00100	1	06/24/2020 08:40	WG1497977
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 08:40	WG1497977
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 08:40	WG1497977
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 08:40	WG1497977
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 08:40	WG1497977
Chloroethane	U		0.000192	0.00500	1	06/24/2020 08:40	WG1497977
Chloroform	U		0.000111	0.00500	1	06/24/2020 08:40	WG1497977
Chloromethane	U		0.000960	0.00250	1	06/24/2020 08:40	WG1497977
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 08:40	WG1497977
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 08:40	WG1497977
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 08:40	WG1497977
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 08:40	WG1497977
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 08:40	WG1497977
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 08:40	WG1497977
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 08:40	WG1497977
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 08:40	WG1497977
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 08:40	WG1497977
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 08:40	WG1497977
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 08:40	WG1497977
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 08:40	WG1497977
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 08:40	WG1497977
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 08:40	WG1497977
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 08:40	WG1497977
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 08:40	WG1497977
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/24/2020 08:40	WG1497977
Naphthalene	U		0.00100	0.00500	1	06/24/2020 08:40	WG1497977
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 08:40	WG1497977
Styrene	U		0.000118	0.00100	1	06/24/2020 08:40	WG1497977
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 08:40	WG1497977
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 08:40	WG1497977
Tetrachloroethene	U		0.000300	0.00100	1	06/24/2020 08:40	WG1497977
Toluene	U		0.000278	0.00100	1	06/24/2020 08:40	WG1497977
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 08:40	WG1497977
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 08:40	WG1497977
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 08:40	WG1497977
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 08:40	WG1497977
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/24/2020 08:40	WG1497977
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 08:40	WG1497977
o-Xylene	U		0.000174	0.00100	1	06/24/2020 08:40	WG1497977
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 08:40	WG1497977
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 08:40	WG1497977
(S) Toluene-d8	*106*			*80.0-120*		*06/24/2020 08:40*	WG1497977
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/24/2020 08:40*	WG1497977
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/24/2020 08:40*	WG1497977

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	06/28/2020 12:53	WG1497648
(S) o-Terphenyl	*76.8*			*31.0-160*		*06/28/2020 12:53*	WG1497648

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

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SAMPLE RESULTS - 29

Collected date/time: 06/17/20 00:00

L1231207

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	06/24/2020 07:58	WG1497977
Benzene	U		0.0000941	0.00100	1	06/24/2020 07:58	WG1497977
Bromodichloromethane	U		0.000136	0.00100	1	06/24/2020 07:58	WG1497977
Bromoform	U		0.000129	0.00100	1	06/24/2020 07:58	WG1497977
Bromomethane	U		0.000605	0.00500	1	06/24/2020 07:58	WG1497977
n-Butylbenzene	U		0.000157	0.00100	1	06/24/2020 07:58	WG1497977
sec-Butylbenzene	U		0.000125	0.00100	1	06/24/2020 07:58	WG1497977
Carbon disulfide	U		0.0000962	0.00100	1	06/24/2020 07:58	WG1497977
Carbon tetrachloride	U		0.000128	0.00100	1	06/24/2020 07:58	WG1497977
Chlorobenzene	U		0.000116	0.00100	1	06/24/2020 07:58	WG1497977
Chlorodibromomethane	U		0.000140	0.00100	1	06/24/2020 07:58	WG1497977
Chloroethane	U		0.000192	0.00500	1	06/24/2020 07:58	WG1497977
Chloroform	U		0.000111	0.00500	1	06/24/2020 07:58	WG1497977
Chloromethane	U		0.000960	0.00250	1	06/24/2020 07:58	WG1497977
1,2-Dibromoethane	U		0.000126	0.00100	1	06/24/2020 07:58	WG1497977
1,1-Dichloroethane	U		0.000100	0.00100	1	06/24/2020 07:58	WG1497977
1,2-Dichloroethane	U		0.0000819	0.00100	1	06/24/2020 07:58	WG1497977
1,1-Dichloroethene	U		0.000188	0.00100	1	06/24/2020 07:58	WG1497977
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	06/24/2020 07:58	WG1497977
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	06/24/2020 07:58	WG1497977
1,2-Dichloropropane	U		0.000149	0.00100	1	06/24/2020 07:58	WG1497977
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	06/24/2020 07:58	WG1497977
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	06/24/2020 07:58	WG1497977
Ethylbenzene	U		0.000137	0.00100	1	06/24/2020 07:58	WG1497977
Isopropylbenzene	U		0.000105	0.00100	1	06/24/2020 07:58	WG1497977
p-Isopropyltoluene	U		0.000120	0.00100	1	06/24/2020 07:58	WG1497977
2-Butanone (MEK)	U		0.00119	0.0100	1	06/24/2020 07:58	WG1497977
2-Hexanone	U		0.000787	0.0100	1	06/24/2020 07:58	WG1497977
Methylene Chloride	U		0.000430	0.00500	1	06/24/2020 07:58	WG1497977
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	06/24/2020 07:58	WG1497977
Methyl tert-butyl ether	U		0.000101	0.00100	1	06/24/2020 07:58	WG1497977
Naphthalene	U		0.00100	0.00500	1	06/24/2020 07:58	WG1497977
n-Propylbenzene	U		0.0000993	0.00100	1	06/24/2020 07:58	WG1497977
Styrene	U		0.000118	0.00100	1	06/24/2020 07:58	WG1497977
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	06/24/2020 07:58	WG1497977
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	06/24/2020 07:58	WG1497977
Tetrachloroethene	U		0.000300	0.00100	1	06/24/2020 07:58	WG1497977
Toluene	U		0.000278	0.00100	1	06/24/2020 07:58	WG1497977
1,1,1-Trichloroethane	U		0.000149	0.00100	1	06/24/2020 07:58	WG1497977
1,1,2-Trichloroethane	U		0.000158	0.00100	1	06/24/2020 07:58	WG1497977
Trichloroethene	U		0.000190	0.00100	1	06/24/2020 07:58	WG1497977
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/24/2020 07:58	WG1497977
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/24/2020 07:58	WG1497977
Vinyl chloride	U		0.000234	0.00100	1	06/24/2020 07:58	WG1497977
o-Xylene	U		0.000174	0.00100	1	06/24/2020 07:58	WG1497977
m&p-Xylene	U		0.000430	0.00200	1	06/24/2020 07:58	WG1497977
Xylenes, Total	U		0.000174	0.00300	1	06/24/2020 07:58	WG1497977
(S) Toluene-d8	*107*			*80.0-120*		*06/24/2020 07:58*	WG1497977
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*06/24/2020 07:58*	WG1497977
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*		*06/24/2020 07:58*	WG1497977

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

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3543583-1 06/25/20 00:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1231207-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1231207-04 06/25/20 00:16 • (DUP) R3543583-3 06/25/20 00:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	4750	4710	1	0.846		5

L1231207-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1231207-21 06/25/20 00:16 • (DUP) R3543583-4 06/25/20 00:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	5020	5060	1	0.794		5

Laboratory Control Sample (LCS)

(LCS) R3543583-2 06/25/20 00:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8850	101	85.0-115	

Method Blank (MB)

(MB) R3543550-1 06/25/20 00:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1231153-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1231153-06 06/25/20 00:47 • (DUP) R3543550-3 06/25/20 00:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1270	1250	1	1.58		5

L1231207-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1231207-03 06/25/20 00:47 • (DUP) R3543550-4 06/25/20 00:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	6070	6120	1	0.820		5

Laboratory Control Sample (LCS)

(LCS) R3543550-2 06/25/20 00:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8850	101	85.0-115	

Method Blank (MB)

(MB) R3543109-1 06/24/20 23:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		2.82	10.0

L1231207-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1231207-24 06/24/20 23:51 • (DUP) R3543109-3 06/24/20 23:51

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	18400	11600	1	45.2	J3	5

Sample Narrative:

OS: Confirmed on reanalysis

Laboratory Control Sample (LCS)

(LCS) R3543109-2 06/24/20 23:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	7020	79.8	85.0-115	J4

Method Blank (MB)

(MB) R3544823-1 06/30/20 16:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1231186-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1231186-06 06/30/20 16:51 • (DUP) R3544823-3 06/30/20 16:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

L1231207-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1231207-05 06/30/20 17:27 • (DUP) R3544823-7 06/30/20 17:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3544823-2 06/30/20 16:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	4.13	103	90.0-110	

L1231186-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231186-15 06/30/20 17:07 • (MS) R3544823-4 06/30/20 17:08 • (MSD) R3544823-5 06/30/20 17:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	U	2.60	2.56	104	102	1	90.0-110			1.55	20

L1231186-19 Original Sample (OS) • Matrix Spike (MS)

(OS) L1231186-19 06/30/20 17:18 • (MS) R3544823-6 06/30/20 17:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	U	2.54	102	1	90.0-110	

Method Blank (MB)

(MB) R3544473-1 06/29/20 19:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	0.0590	J	0.0500	0.100

L1231207-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1231207-25 06/29/20 20:34 • (DUP) R3544473-6 06/29/20 20:36

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

L1231207-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1231207-06 06/29/20 20:51 • (DUP) R3544473-7 06/29/20 20:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3544473-2 06/29/20 19:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	4.00	3.79	94.8	90.0-110	

L1231207-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231207-14 06/29/20 20:13 • (MS) R3544473-3 06/29/20 20:14 • (MSD) R3544473-4 06/29/20 20:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.0662	2.71	2.77	106	108	1	90.0-110			2.19	20

L1231207-21 Original Sample (OS) • Matrix Spike (MS)

(OS) L1231207-21 06/29/20 20:28 • (MS) R3544473-5 06/29/20 20:29

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	U	2.52	101	1	90.0-110	

Method Blank (MB)

(MB) R3544457-1 06/29/20 17:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1231207-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1231207-26 06/29/20 17:48 • (DUP) R3544457-3 06/29/20 17:50

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	U	U	1	0.000		20

L1231341-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1231341-02 06/29/20 18:17 • (DUP) R3544457-7 06/29/20 18:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.495	0.485	1	2.04		20

Laboratory Control Sample (LCS)

(LCS) R3544457-2 06/29/20 17:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	5.00	3.91	97.8	90.0-110	

L1231328-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231328-03 06/29/20 18:01 • (MS) R3544457-4 06/29/20 18:02 • (MSD) R3544457-5 06/29/20 18:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	1.51	3.62	4.02	84.4	100	1	90.0-110	J6		10.5	20

L1231328-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1231328-07 06/29/20 18:08 • (MS) R3544457-6 06/29/20 18:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	U	2.39	95.6	1	90.0-110	

Method Blank (MB)

(MB) R3543733-1 06/27/20 15:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1231161-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1231161-02 06/27/20 16:04 • (DUP) R3543733-5 06/27/20 16:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1231161-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1231161-10 06/27/20 16:17 • (DUP) R3543733-8 06/27/20 16:19

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3543733-2 06/27/20 15:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.102	102	90.0-110	

L1231161-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231161-01 06/27/20 16:01 • (MS) R3543733-3 06/27/20 16:02 • (MSD) R3543733-4 06/27/20 16:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.0112	0.0856	0.0979	74.4	86.7	1	75.0-125	J6		13.4	20

L1231161-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231161-06 06/27/20 16:09 • (MS) R3543733-6 06/27/20 16:12 • (MSD) R3543733-7 06/27/20 16:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.0846	0.191	0.193	106	108	1	75.0-125			1.04	20

Method Blank (MB)

(MB) R3544267-1 06/27/20 09:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1231207-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1231207-07 06/27/20 15:42 • (DUP) R3544267-5 06/27/20 16:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1430	1440	100	0.621		15
Fluoride	9.31	9.33	100	0.212	J	15
Sulfate	2180	2140	100	1.44		15

L1231207-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1231207-11 06/27/20 19:02 • (DUP) R3544267-6 06/27/20 19:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	51.7	51.3	1	0.749		15

L1231207-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1231207-11 06/27/20 19:38 • (DUP) R3544267-7 06/27/20 19:56

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	13.9	12.3	50	12.3		15
Sulfate	2580	2540	50	1.51		15

Laboratory Control Sample (LCS)

(LCS) R3544267-2 06/27/20 09:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.1	100	80.0-120	
Fluoride	8.00	8.11	101	80.0-120	
Sulfate	40.0	41.5	104	80.0-120	

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L1231207-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231207-05 06/27/20 13:55 • (MS) R3544267-3 06/27/20 14:31 • (MSD) R3544267-4 06/27/20 14:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	1260	1240	1240	0.000	0.000	1	80.0-120	E V	E V	0.0445	15
Fluoride	5.00	2.19	6.72	6.84	90.6	93.0	1	80.0-120			1.80	15
Sulfate	50.0	2010	1700	1720	0.000	0.000	1	80.0-120	E V	E V	1.51	15

L1231207-15 Original Sample (OS) • Matrix Spike (MS)

(OS) L1231207-15 06/27/20 22:37 • (MS) R3544267-8 06/27/20 22:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	4270	4100	0.000	1	80.0-120	E V
Fluoride	5.00	0.900	5.19	85.8	1	80.0-120	
Sulfate	50.0	3080	2890	0.000	1	80.0-120	E V

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Method Blank (MB)

(MB) R3543569-1 06/25/20 21:37

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1231155-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1231155-01 06/25/20 22:48 • (DUP) R3543569-3 06/25/20 23:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	1.31	1.32	1	1.08		15

L1231155-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1231155-01 06/25/20 23:22 • (DUP) R3543569-4 06/25/20 23:39

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	976	971	20	0.433		15
Sulfate	1450	1430	20	1.18		15

L1231207-28 Original Sample (OS) • Duplicate (DUP)

(OS) L1231207-28 06/26/20 16:51 • (DUP) R3543569-9 06/26/20 17:08

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

Laboratory Control Sample (LCS)

(LCS) R3543569-2 06/25/20 21:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.1	100	80.0-120	
Fluoride	8.00	7.94	99.2	80.0-120	
Sulfate	40.0	41.2	103	80.0-120	

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L1231155-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231155-02 06/25/20 23:55 • (MS) R3543569-5 06/26/20 00:19 • (MSD) R3543569-6 06/26/20 00:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	367	399	399	63.8	64.6	1	80.0-120	E V	E V	0.0947	15
Fluoride	5.00	2.26	6.63	6.67	87.4	88.3	1	80.0-120			0.666	15
Sulfate	50.0	2530	2480	2480	0.000	0.000	1	80.0-120	E V	E V	0.00345	15

L1231207-27 Original Sample (OS) • Matrix Spike (MS)

(OS) L1231207-27 06/26/20 12:26 • (MS) R3543569-7 06/26/20 12:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	1260	1250	0.000	1	80.0-120	E V
Fluoride	5.00	2.52	7.24	94.4	1	80.0-120	
Sulfate	50.0	1980	1950	0.000	1	80.0-120	E V

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Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3542267-1 06/24/20 08:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3542267-2 06/24/20 08:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00308	103	80.0-120	

L1231284-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231284-06 06/24/20 08:46 • (MS) R3542267-3 06/24/20 08:48 • (MSD) R3542267-4 06/24/20 08:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00301	0.00317	100	106	1	75.0-125			5.18	20

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Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3542432-1 06/24/20 10:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3542432-2 06/24/20 11:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00292	97.3	80.0-120	

L1231593-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231593-03 06/24/20 11:53 • (MS) R3542432-3 06/24/20 11:55 • (MSD) R3542432-4 06/24/20 11:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00295	0.00295	98.3	98.3	1	75.0-125			0.000	20

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Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3543336-1 06/26/20 11:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3543336-2 06/26/20 11:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.993	99.3	80.0-120	

L1231176-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231176-16 06/26/20 11:35 • (MS) R3543336-4 06/26/20 11:41 • (MSD) R3543336-5 06/26/20 11:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	U	0.982	0.990	98.2	99.0	1	75.0-125			0.792	20

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

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Method Blank (MB)

(MB) R3543382-1 06/26/20 06:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0254	0.200

Laboratory Control Sample (LCS)

(LCS) R3543382-2 06/26/20 06:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	1.01	101	80.0-120	

L1231198-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231198-04 06/26/20 06:40 • (MS) R3543382-4 06/26/20 06:45 • (MSD) R3543382-5 06/26/20 06:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	U	1.03	1.03	103	103	1	75.0-125			0.316	20

Method Blank (MB)

(MB) R3543369-1 06/26/20 11:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Cadmium,Dissolved	U		0.000478	0.00100
Chromium,Dissolved	U		0.00149	0.00200
Cobalt,Dissolved	U		0.000477	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Selenium,Dissolved	U		0.000657	0.00200
Uranium,Dissolved	U		0.00754	0.0200
Vanadium,Dissolved	U		0.000986	0.00500

Method Blank (MB)

(MB) R3543459-1 06/26/20 14:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nickel,Dissolved	U		0.000952	0.00200

Laboratory Control Sample (LCS)

(LCS) R3543369-2 06/26/20 11:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0508	102	80.0-120	
Barium,Dissolved	0.0500	0.0517	103	80.0-120	
Cadmium,Dissolved	0.0500	0.0518	104	80.0-120	
Chromium,Dissolved	0.0500	0.0514	103	80.0-120	
Cobalt,Dissolved	0.0500	0.0523	105	80.0-120	
Iron,Dissolved	5.00	5.13	103	80.0-120	
Lead,Dissolved	0.0500	0.0500	99.9	80.0-120	
Manganese,Dissolved	0.0500	0.0513	103	80.0-120	
Selenium,Dissolved	0.0500	0.0570	114	80.0-120	
Uranium,Dissolved	0.0500	0.0496	99.1	80.0-120	
Vanadium,Dissolved	0.0500	0.0511	102	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3543459-2 06/26/20 14:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nickel,Dissolved	0.0500	0.0506	101	80.0-120	

L1231176-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231176-25 06/26/20 11:48 • (MS) R3543369-4 06/26/20 11:55 • (MSD) R3543369-5 06/26/20 11:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	U	0.0508	0.0522	102	104	1	75.0-125			2.64	20
Barium,Dissolved	0.0500	U	0.0504	0.0500	101	99.9	1	75.0-125			0.860	20
Cadmium,Dissolved	0.0500	U	0.0527	0.0531	105	106	1	75.0-125			0.659	20
Chromium,Dissolved	0.0500	U	0.0534	0.0531	107	106	1	75.0-125			0.487	20
Cobalt,Dissolved	0.0500	U	0.0534	0.0528	107	106	1	75.0-125			1.14	20
Iron,Dissolved	5.00	U	5.23	5.17	105	103	1	75.0-125			1.16	20
Lead,Dissolved	0.0500	U	0.0501	0.0515	100	103	1	75.0-125			2.69	20
Manganese,Dissolved	0.0500	U	0.0524	0.0512	105	102	1	75.0-125			2.35	20
Selenium,Dissolved	0.0500	U	0.0567	0.0560	113	112	1	75.0-125			1.24	20
Uranium,Dissolved	0.0500	U	0.0503	0.0504	101	101	1	75.0-125			0.233	20
Vanadium,Dissolved	0.0500	U	0.0521	0.0518	104	104	1	75.0-125			0.602	20

L1231176-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231176-25 06/26/20 14:33 • (MS) R3543459-4 06/26/20 14:40 • (MSD) R3543459-5 06/26/20 14:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nickel,Dissolved	0.0500	U	0.0520	0.0551	104	110	1	75.0-125			5.72	20

Method Blank (MB)

(MB) R3543751-1 06/27/20 16:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Chromium,Dissolved	U		0.00149	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Selenium,Dissolved	U		0.000657	0.00200

Laboratory Control Sample (LCS)

(LCS) R3543751-2 06/27/20 16:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0481	96.3	80.0-120	
Barium,Dissolved	0.0500	0.0478	95.6	80.0-120	
Chromium,Dissolved	0.0500	0.0500	99.9	80.0-120	
Iron,Dissolved	5.00	4.96	99.2	80.0-120	
Lead,Dissolved	0.0500	0.0495	99.1	80.0-120	
Manganese,Dissolved	0.0500	0.0495	98.9	80.0-120	
Selenium,Dissolved	0.0500	0.0532	106	80.0-120	

L1231207-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231207-21 06/27/20 16:51 • (MS) R3543751-4 06/27/20 16:58 • (MSD) R3543751-5 06/27/20 17:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00138	0.0469	0.0483	91.1	93.8	1	75.0-125			2.85	20
Barium,Dissolved	0.0500	0.0201	0.0699	0.0685	99.6	96.9	1	75.0-125			1.98	20
Chromium,Dissolved	0.0500	U	0.0474	0.0472	94.8	94.4	1	75.0-125			0.469	20
Iron,Dissolved	5.00	1.95	6.56	6.64	92.1	93.8	1	75.0-125			1.34	20
Lead,Dissolved	0.0500	U	0.0500	0.0500	99.9	100	1	75.0-125			0.120	20
Manganese,Dissolved	0.0500	1.48	1.46	1.49	0.000	7.52	1	75.0-125	V	V	1.62	20
Selenium,Dissolved	0.0500	U	0.0563	0.0532	113	106	1	75.0-125			5.72	20

Method Blank (MB)

(MB) R3543607-1 06/26/20 18:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000735	0.00200
Barium,Dissolved	U		0.00778	0.0200
Chromium,Dissolved	U		0.00149	0.00200
Iron,Dissolved	U		0.0489	0.100
Lead,Dissolved	U		0.00249	0.00500
Manganese,Dissolved	U		0.00132	0.00500
Selenium,Dissolved	U		0.000657	0.00200

Laboratory Control Sample (LCS)

(LCS) R3543607-2 06/26/20 18:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0486	97.3	80.0-120	
Barium,Dissolved	0.0500	0.0512	102	80.0-120	
Chromium,Dissolved	0.0500	0.0494	98.8	80.0-120	
Iron,Dissolved	5.00	5.05	101	80.0-120	
Lead,Dissolved	0.0500	0.0495	99.0	80.0-120	
Manganese,Dissolved	0.0500	0.0492	98.5	80.0-120	
Selenium,Dissolved	0.0500	0.0510	102	80.0-120	

L1231361-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231361-01 06/26/20 18:12 • (MS) R3543607-4 06/26/20 18:19 • (MSD) R3543607-5 06/26/20 18:23

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0134	0.0603	0.0637	93.8	101	1	75.0-125			5.59	20
Barium,Dissolved	0.0500	0.0757	0.128	0.133	105	114	1	75.0-125			3.61	20
Chromium,Dissolved	0.0500	U	0.0480	0.0499	96.0	99.9	1	75.0-125			3.97	20
Iron,Dissolved	5.00	4.20	8.94	9.32	94.8	103	1	75.0-125			4.24	20
Lead,Dissolved	0.0500	U	0.0511	0.0486	102	97.2	1	75.0-125			4.95	20
Manganese,Dissolved	0.0500	0.596	0.618	0.648	45.4	105	1	75.0-125	V		4.70	20
Selenium,Dissolved	0.0500	U	0.0521	0.0496	104	99.2	1	75.0-125			4.89	20

Method Blank (MB)

(MB) R3543968-1 06/27/20 21:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Cadmium	U		0.000478	0.00100
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Cobalt	U		0.000477	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Nickel	U		0.000952	0.00200
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	0.937	J	0.630	2.00
Uranium	U		0.00754	0.0200
Vanadium	U		0.000986	0.00500

Laboratory Control Sample (LCS)

(LCS) R3543968-2 06/27/20 21:18

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0484	96.8	80.0-120	
Barium	0.0500	0.0485	97.0	80.0-120	
Cadmium	0.0500	0.0538	108	80.0-120	
Calcium	5.00	5.01	100	80.0-120	
Chromium	0.0500	0.0522	104	80.0-120	
Cobalt	0.0500	0.0523	105	80.0-120	
Iron	5.00	5.14	103	80.0-120	
Lead	0.0500	0.0520	104	80.0-120	
Manganese	0.0500	0.0514	103	80.0-120	
Nickel	0.0500	0.0530	106	80.0-120	
Potassium	5.00	5.05	101	80.0-120	
Selenium	0.0500	0.0538	108	80.0-120	
Sodium	5.00	5.93	119	80.0-120	
Uranium	0.0500	0.0485	96.9	80.0-120	
Vanadium	0.0500	0.0513	103	80.0-120	

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L1231207-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231207-03 06/27/20 21:22 • (MS) R3543968-4 06/27/20 21:29 • (MSD) R3543968-5 06/27/20 21:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00412	0.0509	0.0507	93.6	93.1	1	75.0-125			0.533	20
Barium	0.0500	0.0194	0.0705	0.0697	102	101	1	75.0-125			1.06	20
Cadmium	0.0500	U	0.0543	0.0536	109	107	1	75.0-125			1.26	20
Calcium	5.00	413	411	413	0.000	0.000	1	75.0-125	V	V	0.486	20
Chromium	0.0500	U	0.0498	0.0482	99.5	96.4	1	75.0-125			3.14	20
Cobalt	0.0500	U	0.0487	0.0480	97.4	96.0	1	75.0-125			1.40	20
Potassium	5.00	4.03	8.81	8.89	95.5	97.2	1	75.0-125			0.975	20
Iron	5.00	3.11	8.09	7.94	99.5	96.5	1	75.0-125			1.89	20
Lead	0.0500	U	0.0518	0.0526	104	105	1	75.0-125			1.55	20
Manganese	0.0500	1.02	1.07	1.04	86.5	33.2	1	75.0-125		V	2.53	20
Nickel	0.0500	U	0.0480	0.0474	95.9	94.9	1	75.0-125			1.07	20
Selenium	0.0500	0.000840	0.0552	0.0556	109	110	1	75.0-125			0.770	20
Sodium	5.00	1160	1140	1140	0.000	0.000	1	75.0-125	E V	E V	0.493	20
Uranium	0.0500	U	0.0554	0.0553	111	111	1	75.0-125			0.168	20
Vanadium	0.0500	U	0.0497	0.0483	99.5	96.6	1	75.0-125			2.91	20

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Method Blank (MB)

(MB) R3543974-1 06/27/20 21:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000735	0.00200
Barium	U		0.00778	0.0200
Calcium	U		0.480	1.00
Chromium	U		0.00149	0.00200
Iron	U		0.0489	0.100
Lead	U		0.00249	0.00500
Manganese	U		0.00132	0.00500
Potassium	U		0.534	2.00
Selenium	U		0.000657	0.00200
Sodium	0.857	J	0.630	2.00

Laboratory Control Sample (LCS)

(LCS) R3543974-2 06/27/20 21:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0475	94.9	80.0-120	
Barium	0.0500	0.0505	101	80.0-120	
Calcium	5.00	4.85	96.9	80.0-120	
Chromium	0.0500	0.0489	97.8	80.0-120	
Iron	5.00	4.99	99.9	80.0-120	
Lead	0.0500	0.0478	95.6	80.0-120	
Manganese	0.0500	0.0488	97.6	80.0-120	
Potassium	5.00	4.95	99.0	80.0-120	
Selenium	0.0500	0.0498	99.6	80.0-120	
Sodium	5.00	5.12	102	80.0-120	

L1231207-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231207-16 06/27/20 21:43 • (MS) R3543974-4 06/27/20 21:50 • (MSD) R3543974-5 06/27/20 21:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0143	0.0630	0.0615	97.4	94.4	1	75.0-125			2.43	20
Barium	0.0500	0.0132	0.0637	0.0666	101	107	1	75.0-125			4.52	20
Calcium	5.00	445	443	445	0.000	0.000	1	75.0-125	V	V	0.479	20
Chromium	0.0500	U	0.0491	0.0482	98.2	96.3	1	75.0-125			1.97	20
Potassium	5.00	3.25	8.11	8.03	97.2	95.7	1	75.0-125			0.951	20
Iron	5.00	0.199	5.24	5.00	101	95.9	1	75.0-125			4.76	20
Lead	0.0500	U	0.0512	0.0512	102	102	1	75.0-125			0.168	20

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L1231207-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231207-16 06/27/20 21:43 • (MS) R3543974-4 06/27/20 21:50 • (MSD) R3543974-5 06/27/20 21:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Manganese	0.0500	2.13	2.14	2.08	24.1	0.000	1	75.0-125	V	V	2.90	20
Selenium	0.0500	U	0.0510	0.0533	102	107	1	75.0-125			4.31	20
Sodium	5.00	982	983	973	14.1	0.000	1	75.0-125	V	V	1.04	20

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Method Blank (MB)

(MB) R3543686-2 06/26/20 03:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3543686-1 06/26/20 02:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.17	112	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*78.0-120*	

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Method Blank (MB)

(MB) R3544265-2 06/26/20 11:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*95.7*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3544265-1 06/26/20 10:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.87	107	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*78.0-120*	

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3543804-2 06/27/20 09:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*93.1*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3543804-1 06/27/20 08:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.31	96.5	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*107*	*78.0-120*	

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3542987-2 06/23/20 10:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

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

L1231207-01,02,03,04,05,06

Method Blank (MB)

(MB) R3542987-2 06/23/20 10:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3542987-1 06/23/20 09:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0306	122	19.0-160	
Benzene	0.00500	0.00527	105	70.0-123	
Bromodichloromethane	0.00500	0.00531	106	75.0-120	
Bromoform	0.00500	0.00608	122	68.0-132	
Bromomethane	0.00500	0.00586	117	10.0-160	
n-Butylbenzene	0.00500	0.00466	93.2	73.0-125	
sec-Butylbenzene	0.00500	0.00463	92.6	75.0-125	
Carbon disulfide	0.00500	0.00553	111	61.0-128	
Carbon tetrachloride	0.00500	0.00539	108	68.0-126	
Chlorobenzene	0.00500	0.00640	128	80.0-121	J4
Chlorodibromomethane	0.00500	0.00624	125	77.0-125	
Chloroethane	0.00500	0.00482	96.4	47.0-150	
Chloroform	0.00500	0.00525	105	73.0-120	
Chloromethane	0.00500	0.00532	106	41.0-142	
1,2-Dibromoethane	0.00500	0.00569	114	80.0-122	
1,1-Dichloroethane	0.00500	0.00476	95.2	70.0-126	
1,2-Dichloroethane	0.00500	0.00520	104	70.0-128	
1,1-Dichloroethene	0.00500	0.00531	106	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00532	106	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00524	105	73.0-120	
1,2-Dichloropropane	0.00500	0.00479	95.8	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00502	100	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00524	105	78.0-124	

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Laboratory Control Sample (LCS)

(LCS) R3542987-1 06/23/20 09:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00587	117	79.0-123	
2-Hexanone	0.0250	0.0267	107	67.0-149	
Isopropylbenzene	0.00500	0.00610	122	76.0-127	
p-Isopropyltoluene	0.00500	0.00487	97.4	76.0-125	
2-Butanone (MEK)	0.0250	0.0276	110	44.0-160	
Methylene Chloride	0.00500	0.00473	94.6	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0280	112	68.0-142	
Methyl tert-butyl ether	0.00500	0.00461	92.2	68.0-125	
Naphthalene	0.00500	0.00525	105	54.0-135	
n-Propylbenzene	0.00500	0.00469	93.8	77.0-124	
Styrene	0.00500	0.00596	119	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00613	123	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00459	91.8	65.0-130	
Tetrachloroethene	0.00500	0.00675	135	72.0-132	J4
Toluene	0.00500	0.00580	116	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00533	107	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00592	118	80.0-120	
Trichloroethene	0.00500	0.00615	123	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00437	87.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00457	91.4	76.0-122	
Vinyl chloride	0.00500	0.00500	100	67.0-131	
Xylenes, Total	0.0150	0.0172	115	79.0-123	
o-Xylene	0.00500	0.00564	113	80.0-122	
m&p-Xylenes	0.0100	0.0116	116	80.0-122	
(S) Toluene-d8			*109*	*80.0-120*	
(S) 4-Bromofluorobenzene			*103*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*100*	*70.0-130*	

L1231161-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231161-06 06/23/20 16:44 • (MS) R3542987-3 06/23/20 20:47 • (MSD) R3542987-4 06/23/20 21:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	U	0.0323	0.0299	129	120	1	10.0-160			7.72	35
Benzene	0.00500	U	0.00568	0.00515	114	103	1	17.0-158			9.79	27
Bromodichloromethane	0.00500	U	0.00570	0.00520	114	104	1	31.0-150			9.17	27
Bromoform	0.00500	U	0.00631	0.00580	126	116	1	29.0-150			8.42	29
Bromomethane	0.00500	U	0.00603	0.00551	121	110	1	10.0-160			9.01	38
n-Butylbenzene	0.00500	U	0.00508	0.00450	102	90.0	1	31.0-150			12.1	30

L1231161-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231161-06 06/23/20 16:44 • (MS) R3542987-3 06/23/20 20:47 • (MSD) R3542987-4 06/23/20 21:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
sec-Butylbenzene	0.00500	U	0.00530	0.00466	106	93.2	1	33.0-155			12.9	29
Carbon disulfide	0.00500	U	0.00629	0.00565	126	113	1	10.0-156			10.7	28
Carbon tetrachloride	0.00500	U	0.00626	0.00550	125	110	1	23.0-159			12.9	28
Chlorobenzene	0.00500	U	0.00667	0.00611	133	122	1	33.0-152			8.76	27
Chlorodibromomethane	0.00500	U	0.00637	0.00591	127	118	1	37.0-149			7.49	27
Chloroethane	0.00500	U	0.00551	0.00509	110	102	1	10.0-160			7.92	30
Chloroform	0.00500	U	0.00555	0.00502	111	100	1	29.0-154			10.0	28
Chloromethane	0.00500	U	0.00574	0.00533	115	107	1	10.0-160			7.41	29
1,2-Dibromoethane	0.00500	U	0.00600	0.00533	120	107	1	34.0-147			11.8	27
1,1-Dichloroethane	0.00500	U	0.00534	0.00486	107	97.2	1	25.0-158			9.41	27
1,2-Dichloroethane	0.00500	U	0.00549	0.00497	110	99.4	1	29.0-151			9.94	27
1,1-Dichloroethene	0.00500	U	0.00621	0.00567	124	113	1	11.0-160			9.09	29
cis-1,2-Dichloroethene	0.00500	U	0.00566	0.00524	113	105	1	10.0-160			7.71	27
trans-1,2-Dichloroethene	0.00500	U	0.00601	0.00545	120	109	1	17.0-153			9.77	27
1,2-Dichloropropane	0.00500	0.000518	0.00510	0.00464	91.6	82.4	1	30.0-156			9.45	27
cis-1,3-Dichloropropene	0.00500	U	0.00487	0.00455	97.4	91.0	1	34.0-149			6.79	28
trans-1,3-Dichloropropene	0.00500	U	0.00526	0.00494	105	98.8	1	32.0-149			6.27	28
Ethylbenzene	0.00500	U	0.00624	0.00581	125	116	1	30.0-155			7.14	27
2-Hexanone	0.0250	U	0.0269	0.0250	108	100	1	21.0-160			7.32	29
Isopropylbenzene	0.00500	U	0.00669	0.00602	134	120	1	28.0-157			10.5	27
p-Isopropyltoluene	0.00500	U	0.00525	0.00471	105	94.2	1	30.0-154			10.8	29
2-Butanone (MEK)	0.0250	U	0.0276	0.0256	110	102	1	10.0-160			7.52	32
Methylene Chloride	0.00500	U	0.00497	0.00455	99.4	91.0	1	23.0-144			8.82	28
4-Methyl-2-pentanone (MIBK)	0.0250	U	0.0289	0.0264	116	106	1	29.0-160			9.04	29
Methyl tert-butyl ether	0.00500	U	0.00502	0.00445	100	89.0	1	28.0-150			12.0	29
Naphthalene	0.00500	U	0.00524	0.00474	105	94.8	1	12.0-156			10.0	35
n-Propylbenzene	0.00500	U	0.00517	0.00462	103	92.4	1	31.0-154			11.2	28
Styrene	0.00500	U	0.00606	0.00580	121	116	1	33.0-155			4.38	28
1,1,1,2-Tetrachloroethane	0.00500	U	0.00676	0.00585	135	117	1	36.0-151			14.4	29
1,1,2,2-Tetrachloroethane	0.00500	U	0.00482	0.00427	96.4	85.4	1	33.0-150			12.1	28
Tetrachloroethene	0.00500	U	0.00723	0.00686	145	137	1	10.0-160			5.25	27
Toluene	0.00500	U	0.00614	0.00555	123	111	1	26.0-154			10.1	28
1,1,1-Trichloroethane	0.00500	U	0.00629	0.00562	126	112	1	23.0-160			11.3	28
1,1,2-Trichloroethane	0.00500	U	0.00629	0.00559	126	112	1	35.0-147			11.8	27
Trichloroethene	0.00500	U	0.00674	0.00627	135	125	1	10.0-160			7.23	25
1,2,4-Trimethylbenzene	0.00500	U	0.00451	0.00414	90.2	82.8	1	26.0-154			8.55	27
1,3,5-Trimethylbenzene	0.00500	U	0.00496	0.00449	99.2	89.8	1	28.0-153			9.95	27
Vinyl chloride	0.00500	U	0.00604	0.00551	121	110	1	10.0-160			9.18	27
Xylenes, Total	0.0150	U	0.0182	0.0170	121	113	1	29.0-154			6.82	28
o-Xylene	0.00500	U	0.00574	0.00554	115	111	1	45.0-144			3.55	26

L1231161-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231161-06 06/23/20 16:44 • (MS) R3542987-3 06/23/20 20:47 • (MSD) R3542987-4 06/23/20 21:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
m&p-Xylenes	0.0100	U	0.0125	0.0115	125	115	1	43.0-146			8.33	26
(S) Toluene-d8					*111*	*110*		*80.0-120*				
(S) 4-Bromofluorobenzene					*103*	*103*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*107*	*103*		*70.0-130*				

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3543137-2 06/24/20 01:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	0.00254		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3543137-2 06/24/20 01:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3543137-1 06/24/20 00:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0279	112	19.0-160	
Benzene	0.00500	0.00421	84.2	70.0-123	
Bromodichloromethane	0.00500	0.00493	98.6	75.0-120	
Bromoform	0.00500	0.00529	106	68.0-132	
Bromomethane	0.00500	0.00351	70.2	10.0-160	
n-Butylbenzene	0.00500	0.00340	68.0	73.0-125	J4
sec-Butylbenzene	0.00500	0.00373	74.6	75.0-125	J4
Carbon disulfide	0.00500	0.00430	86.0	61.0-128	
Carbon tetrachloride	0.00500	0.00473	94.6	68.0-126	
Chlorobenzene	0.00500	0.00433	86.6	80.0-121	
Chlorodibromomethane	0.00500	0.00512	102	77.0-125	
Chloroethane	0.00500	0.00391	78.2	47.0-150	
Chloroform	0.00500	0.00455	91.0	73.0-120	
Chloromethane	0.00500	0.00645	129	41.0-142	
1,2-Dibromoethane	0.00500	0.00502	100	80.0-122	
1,1-Dichloroethane	0.00500	0.00476	95.2	70.0-126	
1,2-Dichloroethane	0.00500	0.00532	106	70.0-128	
1,1-Dichloroethene	0.00500	0.00440	88.0	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00498	99.6	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00409	81.8	73.0-120	
1,2-Dichloropropane	0.00500	0.00440	88.0	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00418	83.6	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00413	82.6	78.0-124	

Laboratory Control Sample (LCS)

(LCS) R3543137-1 06/24/20 00:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00406	81.2	79.0-123	
2-Hexanone	0.0250	0.0203	81.2	67.0-149	
Isopropylbenzene	0.00500	0.00402	80.4	76.0-127	
p-Isopropyltoluene	0.00500	0.00388	77.6	76.0-125	
2-Butanone (MEK)	0.0250	0.0270	108	44.0-160	
Methylene Chloride	0.00500	0.00402	80.4	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0227	90.8	68.0-142	
Methyl tert-butyl ether	0.00500	0.00453	90.6	68.0-125	
Naphthalene	0.00500	0.00338	67.6	54.0-135	
n-Propylbenzene	0.00500	0.00386	77.2	77.0-124	
Styrene	0.00500	0.00387	77.4	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00490	98.0	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00409	81.8	65.0-130	
Tetrachloroethene	0.00500	0.00792	158	72.0-132	J4
Toluene	0.00500	0.00424	84.8	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00499	99.8	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00479	95.8	80.0-120	
Trichloroethene	0.00500	0.00516	103	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00391	78.2	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00376	75.2	76.0-122	J4
Vinyl chloride	0.00500	0.00517	103	67.0-131	
Xylenes, Total	0.0150	0.0125	83.3	79.0-123	
o-Xylene	0.00500	0.00422	84.4	80.0-122	
m&p-Xylenes	0.0100	0.00826	82.6	80.0-122	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*122*	*70.0-130*	

Method Blank (MB)

(MB) R3542562-3 06/24/20 03:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Method Blank (MB)

(MB) R3542562-3 06/24/20 03:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3542562-1 06/24/20 02:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0235	94.0	19.0-160	
Benzene	0.00500	0.00488	97.6	70.0-123	
Bromodichloromethane	0.00500	0.00520	104	75.0-120	
Bromoform	0.00500	0.00517	103	68.0-132	
Bromomethane	0.00500	0.00489	97.8	10.0-160	
n-Butylbenzene	0.00500	0.00531	106	73.0-125	
sec-Butylbenzene	0.00500	0.00543	109	75.0-125	
Carbon disulfide	0.00500	0.00524	105	61.0-128	
Carbon tetrachloride	0.00500	0.00506	101	68.0-126	
Chlorobenzene	0.00500	0.00487	97.4	80.0-121	
Chlorodibromomethane	0.00500	0.00516	103	77.0-125	
Chloroethane	0.00500	0.00522	104	47.0-150	
Chloroform	0.00500	0.00497	99.4	73.0-120	
Chloromethane	0.00500	0.00389	77.8	41.0-142	
1,2-Dibromoethane	0.00500	0.00505	101	80.0-122	
1,1-Dichloroethane	0.00500	0.00477	95.4	70.0-126	
1,2-Dichloroethane	0.00500	0.00504	101	70.0-128	
1,1-Dichloroethene	0.00500	0.00532	106	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00531	106	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00521	104	73.0-120	
1,2-Dichloropropane	0.00500	0.00482	96.4	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00518	104	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00520	104	78.0-124	

Received by OCD: 11/22/2022 9:46:04 AM

Laboratory Control Sample (LCS)

(LCS) R3542562-1 06/24/20 02:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00518	104	79.0-123	
2-Hexanone	0.0250	0.0211	84.4	67.0-149	
Isopropylbenzene	0.00500	0.00545	109	76.0-127	
p-Isopropyltoluene	0.00500	0.00544	109	76.0-125	
2-Butanone (MEK)	0.0250	0.0208	83.2	44.0-160	
Methylene Chloride	0.00500	0.00483	96.6	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0212	84.8	68.0-142	
Methyl tert-butyl ether	0.00500	0.00493	98.6	68.0-125	
Naphthalene	0.00500	0.00466	93.2	54.0-135	
n-Propylbenzene	0.00500	0.00498	99.6	77.0-124	
Styrene	0.00500	0.00519	104	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00501	100	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00414	82.8	65.0-130	
Tetrachloroethene	0.00500	0.00522	104	72.0-132	
Toluene	0.00500	0.00515	103	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00540	108	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00486	97.2	80.0-120	
Trichloroethene	0.00500	0.00552	110	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00543	109	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00500	100	76.0-122	
Vinyl chloride	0.00500	0.00467	93.4	67.0-131	
Xylenes, Total	0.0150	0.0157	105	79.0-123	
o-Xylene	0.00500	0.00516	103	80.0-122	
m&p-Xylene	0.0100	0.0105	105	80.0-122	
(S) Toluene-d8			*107*	*80.0-120*	
(S) 4-Bromofluorobenzene			*105*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*99.1*	*70.0-130*	

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3542256-3 06/24/20 08:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3542256-3 06/24/20 08:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

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

(LCS) R3542256-1 06/24/20 07:31 • (LCSD) R3542256-2 06/24/20 07:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0279	0.0284	112	114	19.0-160			1.78	27
Benzene	0.00500	0.00481	0.00509	96.2	102	70.0-123			5.66	20
Bromodichloromethane	0.00500	0.00495	0.00519	99.0	104	75.0-120			4.73	20
Bromoform	0.00500	0.00469	0.00460	93.8	92.0	68.0-132			1.94	20
Bromomethane	0.00500	0.00194	0.00261	38.8	52.2	10.0-160		J3	29.5	25
n-Butylbenzene	0.00500	0.00429	0.00459	85.8	91.8	73.0-125			6.76	20
sec-Butylbenzene	0.00500	0.00428	0.00462	85.6	92.4	75.0-125			7.64	20
Carbon disulfide	0.00500	0.00463	0.00498	92.6	99.6	61.0-128			7.28	20
Carbon tetrachloride	0.00500	0.00471	0.00500	94.2	100	68.0-126			5.97	20
Chlorobenzene	0.00500	0.00479	0.00474	95.8	94.8	80.0-121			1.05	20
Chlorodibromomethane	0.00500	0.00464	0.00508	92.8	102	77.0-125			9.05	20
Chloroethane	0.00500	0.00594	0.00579	119	116	47.0-150			2.56	20
Chloroform	0.00500	0.00490	0.00505	98.0	101	73.0-120			3.02	20
Chloromethane	0.00500	0.00415	0.00410	83.0	82.0	41.0-142			1.21	20
1,2-Dibromoethane	0.00500	0.00503	0.00469	101	93.8	80.0-122			7.00	20
1,1-Dichloroethane	0.00500	0.00476	0.00491	95.2	98.2	70.0-126			3.10	20
1,2-Dichloroethane	0.00500	0.00498	0.00508	99.6	102	70.0-128			1.99	20
1,1-Dichloroethene	0.00500	0.00443	0.00447	88.6	89.4	71.0-124			0.899	20
cis-1,2-Dichloroethene	0.00500	0.00460	0.00497	92.0	99.4	73.0-120			7.73	20
trans-1,2-Dichloroethene	0.00500	0.00485	0.00501	97.0	100	73.0-120			3.25	20
1,2-Dichloropropane	0.00500	0.00480	0.00485	96.0	97.0	77.0-125			1.04	20
cis-1,3-Dichloropropene	0.00500	0.00503	0.00517	101	103	80.0-123			2.75	20
trans-1,3-Dichloropropene	0.00500	0.00473	0.00474	94.6	94.8	78.0-124			0.211	20

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

(LCS) R3542256-1 06/24/20 07:31 • (LCSD) R3542256-2 06/24/20 07:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.00500	0.00471	0.00490	94.2	98.0	79.0-123			3.95	20
2-Hexanone	0.0250	0.0226	0.0226	90.4	90.4	67.0-149			0.000	20
Isopropylbenzene	0.00500	0.00441	0.00456	88.2	91.2	76.0-127			3.34	20
p-Isopropyltoluene	0.00500	0.00428	0.00456	85.6	91.2	76.0-125			6.33	20
2-Butanone (MEK)	0.0250	0.0226	0.0238	90.4	95.2	44.0-160			5.17	20
Methylene Chloride	0.00500	0.00484	0.00502	96.8	100	67.0-120			3.65	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0254	0.0254	102	102	68.0-142			0.000	20
Methyl tert-butyl ether	0.00500	0.00481	0.00527	96.2	105	68.0-125			9.13	20
Naphthalene	0.00500	0.00422	0.00415	84.4	83.0	54.0-135			1.67	20
n-Propylbenzene	0.00500	0.00470	0.00476	94.0	95.2	77.0-124			1.27	20
Styrene	0.00500	0.00469	0.00453	93.8	90.6	73.0-130			3.47	20
1,1,1,2-Tetrachloroethane	0.00500	0.00489	0.00504	97.8	101	75.0-125			3.02	20
1,1,2,2-Tetrachloroethane	0.00500	0.00450	0.00473	90.0	94.6	65.0-130			4.98	20
Tetrachloroethene	0.00500	0.00477	0.00478	95.4	95.6	72.0-132			0.209	20
Toluene	0.00500	0.00444	0.00460	88.8	92.0	79.0-120			3.54	20
1,1,1-Trichloroethane	0.00500	0.00493	0.00520	98.6	104	73.0-124			5.33	20
1,1,2-Trichloroethane	0.00500	0.00459	0.00512	91.8	102	80.0-120			10.9	20
Trichloroethene	0.00500	0.00524	0.00540	105	108	78.0-124			3.01	20
1,2,4-Trimethylbenzene	0.00500	0.00443	0.00462	88.6	92.4	76.0-121			4.20	20
1,3,5-Trimethylbenzene	0.00500	0.00485	0.00492	97.0	98.4	76.0-122			1.43	20
Vinyl chloride	0.00500	0.00447	0.00471	89.4	94.2	67.0-131			5.23	20
Xylenes, Total	0.0150	0.0138	0.0143	92.0	95.3	79.0-123			3.56	20
o-Xylene	0.00500	0.00450	0.00466	90.0	93.2	80.0-122			3.49	20
m&p-Xylene	0.0100	0.00935	0.00963	93.5	96.3	80.0-122			2.95	20
(S) Toluene-d8				*103*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.6*	*94.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*110*	*108*	*70.0-130*				

Released to Imaging: 11/22/2022 9:50:00 AM

Received by OCD: 11/22/2022 9:46:04 AM

Method Blank (MB)

(MB) R3543277-2 06/26/20 02:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3543277-2 06/26/20 02:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3543277-1 06/26/20 02:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0267	107	19.0-160	
Benzene	0.00500	0.00437	87.4	70.0-123	
Bromodichloromethane	0.00500	0.00467	93.4	75.0-120	
Bromoform	0.00500	0.00491	98.2	68.0-132	
Bromomethane	0.00500	0.00540	108	10.0-160	
n-Butylbenzene	0.00500	0.00388	77.6	73.0-125	
sec-Butylbenzene	0.00500	0.00406	81.2	75.0-125	
Carbon disulfide	0.00500	0.00385	77.0	61.0-128	
Carbon tetrachloride	0.00500	0.00496	99.2	68.0-126	
Chlorobenzene	0.00500	0.00514	103	80.0-121	
Chlorodibromomethane	0.00500	0.00537	107	77.0-125	
Chloroethane	0.00500	0.00481	96.2	47.0-150	
Chloroform	0.00500	0.00449	89.8	73.0-120	
Chloromethane	0.00500	0.00519	104	41.0-142	
1,2-Dibromoethane	0.00500	0.00531	106	80.0-122	
1,1-Dichloroethane	0.00500	0.00470	94.0	70.0-126	
1,2-Dichloroethane	0.00500	0.00492	98.4	70.0-128	
1,1-Dichloroethene	0.00500	0.00470	94.0	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00496	99.2	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00475	95.0	73.0-120	
1,2-Dichloropropane	0.00500	0.00477	95.4	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00446	89.2	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00436	87.2	78.0-124	

Laboratory Control Sample (LCS)

(LCS) R3543277-1 06/26/20 02:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00468	93.6	79.0-123	
2-Hexanone	0.0250	0.0222	88.8	67.0-149	
Isopropylbenzene	0.00500	0.00451	90.2	76.0-127	
p-Isopropyltoluene	0.00500	0.00429	85.8	76.0-125	
2-Butanone (MEK)	0.0250	0.0249	99.6	44.0-160	
Methylene Chloride	0.00500	0.00413	82.6	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0241	96.4	68.0-142	
Methyl tert-butyl ether	0.00500	0.00428	85.6	68.0-125	
Naphthalene	0.00500	0.00443	88.6	54.0-135	
n-Propylbenzene	0.00500	0.00397	79.4	77.0-124	
Styrene	0.00500	0.00455	91.0	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00525	105	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00409	81.8	65.0-130	
Tetrachloroethene	0.00500	0.00531	106	72.0-132	
Toluene	0.00500	0.00467	93.4	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00490	98.0	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00507	101	80.0-120	
Trichloroethene	0.00500	0.00518	104	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00395	79.0	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00401	80.2	76.0-122	
Vinyl chloride	0.00500	0.00471	94.2	67.0-131	
Xylenes, Total	0.0150	0.0143	95.3	79.0-123	
o-Xylene	0.00500	0.00468	93.6	80.0-122	
m&p-Xylenes	0.0100	0.00966	96.6	80.0-122	
(S) Toluene-d8			*107*	*80.0-120*	
(S) 4-Bromofluorobenzene			*106*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*95.8*	*70.0-130*	

L1231366-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231366-01 06/26/20 06:11 • (MS) R3543277-3 06/26/20 08:33 • (MSD) R3543277-4 06/26/20 08:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	U	0.157	0.156	126	125	5	10.0-160			0.639	35
Benzene	0.0250	U	0.0270	0.0280	108	112	5	17.0-158			3.64	27
Bromodichloromethane	0.0250	U	0.0274	0.0284	110	114	5	31.0-150			3.58	27
Bromoform	0.0250	U	0.0292	0.0297	117	119	5	29.0-150			1.70	29
Bromomethane	0.0250	U	0.0343	0.0353	137	141	5	10.0-160			2.87	38
n-Butylbenzene	0.0250	U	0.0243	0.0245	97.2	98.0	5	31.0-150			0.820	30

L1231366-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231366-01 06/26/20 06:11 • (MS) R3543277-3 06/26/20 08:33 • (MSD) R3543277-4 06/26/20 08:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
sec-Butylbenzene	0.0250	U	0.0258	0.0261	103	104	5	33.0-155			1.16	29
Carbon disulfide	0.0250	U	0.0240	0.0259	96.0	104	5	10.0-156			7.62	28
Carbon tetrachloride	0.0250	U	0.0302	0.0313	121	125	5	23.0-159			3.58	28
Chlorobenzene	0.0250	U	0.0309	0.0319	124	128	5	33.0-152			3.18	27
Chlorodibromomethane	0.0250	U	0.0315	0.0317	126	127	5	37.0-149			0.633	27
Chloroethane	0.0250	U	0.0301	0.0304	120	122	5	10.0-160			0.992	30
Chloroform	0.0250	U	0.0265	0.0270	106	108	5	29.0-154			1.87	28
Chloromethane	0.0250	U	0.0281	0.0296	112	118	5	10.0-160			5.20	29
1,2-Dibromoethane	0.0250	U	0.0308	0.0316	123	126	5	34.0-147			2.56	27
1,1-Dichloroethane	0.0250	U	0.0276	0.0292	110	117	5	25.0-158			5.63	27
1,2-Dichloroethane	0.0250	U	0.0284	0.0292	114	117	5	29.0-151			2.78	27
1,1-Dichloroethene	0.0250	U	0.0255	0.0233	102	93.2	5	11.0-160			9.02	29
cis-1,2-Dichloroethene	0.0250	U	0.0299	0.0310	120	124	5	10.0-160			3.61	27
trans-1,2-Dichloroethene	0.0250	U	0.0285	0.0299	114	120	5	17.0-153			4.79	27
1,2-Dichloropropane	0.0250	U	0.0282	0.0287	113	115	5	30.0-156			1.76	27
cis-1,3-Dichloropropene	0.0250	U	0.0257	0.0268	103	107	5	34.0-149			4.19	28
trans-1,3-Dichloropropene	0.0250	U	0.0255	0.0264	102	106	5	32.0-149			3.47	28
Ethylbenzene	0.0250	U	0.0297	0.0306	119	122	5	30.0-155			2.99	27
2-Hexanone	0.125	U	0.133	0.135	106	108	5	21.0-160			1.49	29
Isopropylbenzene	0.0250	U	0.0284	0.0291	114	116	5	28.0-157			2.43	27
p-Isopropyltoluene	0.0250	U	0.0264	0.0275	106	110	5	30.0-154			4.08	29
2-Butanone (MEK)	0.125	U	0.140	0.152	112	122	5	10.0-160			8.22	32
Methylene Chloride	0.0250	0.00346	0.0258	0.0233	89.4	79.4	5	23.0-144			10.2	28
4-Methyl-2-pentanone (MIBK)	0.125	U	0.143	0.144	114	115	5	29.0-160			0.697	29
Methyl tert-butyl ether	0.0250	U	0.0228	0.0249	91.2	99.6	5	28.0-150			8.81	29
Naphthalene	0.0250	U	0.0253	0.0261	101	104	5	12.0-156			3.11	35
n-Propylbenzene	0.0250	U	0.0245	0.0248	98.0	99.2	5	31.0-154			1.22	28
Styrene	0.0250	U	0.0275	0.0287	110	115	5	33.0-155			4.27	28
1,1,1,2-Tetrachloroethane	0.0250	U	0.0330	0.0332	132	133	5	36.0-151			0.604	29
1,1,2,2-Tetrachloroethane	0.0250	U	0.0239	0.0250	95.6	100	5	33.0-150			4.50	28
Tetrachloroethene	0.0250	U	0.0337	0.0338	135	135	5	10.0-160			0.296	27
Toluene	0.0250	U	0.0277	0.0284	111	114	5	26.0-154			2.50	28
1,1,1-Trichloroethane	0.0250	U	0.0297	0.0292	119	117	5	23.0-160			1.70	28
1,1,2-Trichloroethane	0.0250	U	0.0294	0.0309	118	124	5	35.0-147			4.98	27
Trichloroethene	0.0250	U	0.0319	0.0328	128	131	5	10.0-160			2.78	25
1,2,4-Trimethylbenzene	0.0250	U	0.0240	0.0245	96.0	98.0	5	26.0-154			2.06	27
1,3,5-Trimethylbenzene	0.0250	U	0.0237	0.0248	94.8	99.2	5	28.0-153			4.54	27
Vinyl chloride	0.0250	U	0.0310	0.0317	124	127	5	10.0-160			2.23	27
Xylenes, Total	0.0750	U	0.0906	0.0914	121	122	5	29.0-154			0.879	28
o-Xylene	0.0250	U	0.0291	0.0292	116	117	5	45.0-144			0.343	26

Received by OCD: 11/22/2022 9:46:04 AM

L1231366-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1231366-01 06/26/20 06:11 • (MS) R3543277-3 06/26/20 08:33 • (MSD) R3543277-4 06/26/20 08:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
m&p-Xylenes	0.0500	U	0.0615	0.0622	123	124	5	43.0-146			1.13	26
(S) Toluene-d8					*106*	*104*		*80.0-120*				
(S) 4-Bromofluorobenzene					*106*	*104*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*95.9*	*97.2*		*70.0-130*				

Sample Narrative:

OS: Lowest possible dilution due to sample foaming.

Released to Imaging: 11/22/2022 9:50:00 AM

Method Blank (MB)

(MB) R3543296-3 06/26/20 02:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Method Blank (MB)

(MB) R3543296-3 06/26/20 02:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
o-Xylene	U		0.000174	0.00100
m&p-Xylenes	U		0.000430	0.00200
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

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

(LCS) R3543296-1 06/26/20 00:51 • (LCSD) R3543296-2 06/26/20 01:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0248	0.0194	99.2	77.6	19.0-160			24.4	27
Benzene	0.00500	0.00530	0.00547	106	109	70.0-123			3.16	20
Bromodichloromethane	0.00500	0.00495	0.00512	99.0	102	75.0-120			3.38	20
Bromoform	0.00500	0.00426	0.00431	85.2	86.2	68.0-132			1.17	20
Bromomethane	0.00500	0.00457	0.00450	91.4	90.0	10.0-160			1.54	25
n-Butylbenzene	0.00500	0.00464	0.00463	92.8	92.6	73.0-125			0.216	20
sec-Butylbenzene	0.00500	0.00485	0.00514	97.0	103	75.0-125			5.81	20
Carbon disulfide	0.00500	0.00477	0.00421	95.4	84.2	61.0-128			12.5	20
Carbon tetrachloride	0.00500	0.00500	0.00541	100	108	68.0-126			7.88	20
Chlorobenzene	0.00500	0.00544	0.00556	109	111	80.0-121			2.18	20
Chlorodibromomethane	0.00500	0.00480	0.00495	96.0	99.0	77.0-125			3.08	20
Chloroethane	0.00500	0.00517	0.00492	103	98.4	47.0-150			4.96	20
Chloroform	0.00500	0.00495	0.00526	99.0	105	73.0-120			6.07	20
Chloromethane	0.00500	0.00648	0.00613	130	123	41.0-142			5.55	20
1,2-Dibromoethane	0.00500	0.00521	0.00521	104	104	80.0-122			0.000	20
1,1-Dichloroethane	0.00500	0.00598	0.00630	120	126	70.0-126			5.21	20
1,2-Dichloroethane	0.00500	0.00538	0.00544	108	109	70.0-128			1.11	20
1,1-Dichloroethene	0.00500	0.00506	0.00523	101	105	71.0-124			3.30	20
cis-1,2-Dichloroethene	0.00500	0.00491	0.00512	98.2	102	73.0-120			4.19	20
trans-1,2-Dichloroethene	0.00500	0.00506	0.00516	101	103	73.0-120			1.96	20
1,2-Dichloropropane	0.00500	0.00608	0.00616	122	123	77.0-125			1.31	20
cis-1,3-Dichloropropene	0.00500	0.00533	0.00539	107	108	80.0-123			1.12	20
trans-1,3-Dichloropropene	0.00500	0.00514	0.00512	103	102	78.0-124			0.390	20

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

(LCS) R3543296-1 06/26/20 00:51 • (LCSD) R3543296-2 06/26/20 01:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.00500	0.00502	0.00510	100	102	79.0-123			1.58	20
2-Hexanone	0.0250	0.0300	0.0299	120	120	67.0-149			0.334	20
Isopropylbenzene	0.00500	0.00457	0.00494	91.4	98.8	76.0-127			7.78	20
p-Isopropyltoluene	0.00500	0.00495	0.00500	99.0	100	76.0-125			1.01	20
2-Butanone (MEK)	0.0250	0.0323	0.0297	129	119	44.0-160			8.39	20
Methylene Chloride	0.00500	0.00518	0.00545	104	109	67.0-120			5.08	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0305	0.0301	122	120	68.0-142			1.32	20
Methyl tert-butyl ether	0.00500	0.00522	0.00513	104	103	68.0-125			1.74	20
Naphthalene	0.00500	0.00492	0.00465	98.4	93.0	54.0-135			5.64	20
n-Propylbenzene	0.00500	0.00527	0.00546	105	109	77.0-124			3.54	20
Styrene	0.00500	0.00501	0.00508	100	102	73.0-130			1.39	20
1,1,1,2-Tetrachloroethane	0.00500	0.00510	0.00537	102	107	75.0-125			5.16	20
1,1,2,2-Tetrachloroethane	0.00500	0.00598	0.00576	120	115	65.0-130			3.75	20
Tetrachloroethene	0.00500	0.00465	0.00490	93.0	98.0	72.0-132			5.24	20
Toluene	0.00500	0.00513	0.00538	103	108	79.0-120			4.76	20
1,1,1-Trichloroethane	0.00500	0.00497	0.00552	99.4	110	73.0-124			10.5	20
1,1,2-Trichloroethane	0.00500	0.00517	0.00531	103	106	80.0-120			2.67	20
Trichloroethene	0.00500	0.00507	0.00538	101	108	78.0-124			5.93	20
1,2,4-Trimethylbenzene	0.00500	0.00491	0.00500	98.2	100	76.0-121			1.82	20
1,3,5-Trimethylbenzene	0.00500	0.00506	0.00521	101	104	76.0-122			2.92	20
Vinyl chloride	0.00500	0.00561	0.00561	112	112	67.0-131			0.000	20
Xylenes, Total	0.0150	0.0151	0.0157	101	105	79.0-123			3.90	20
o-Xylene	0.00500	0.00497	0.00528	99.4	106	80.0-122			6.05	20
m&p-Xylenes	0.0100	0.0101	0.0104	101	104	80.0-122			2.93	20
(S) Toluene-d8				*106*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.1*	*97.2*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*108*	*108*	*70.0-130*				

Method Blank (MB)

(MB) R3543222-1 06/26/20 01:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*72.5*			*31.0-160*

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

(LCS) R3543222-2 06/26/20 02:24 • (LCSD) R3543222-3 06/26/20 02:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.36	1.41	90.7	94.0	50.0-150			3.61	20
(S) o-Terphenyl				*91.5*	*95.0*	*31.0-160*				

Method Blank (MB)

(MB) R3543273-1 06/25/20 22:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*54.5*			*31.0-160*

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

(LCS) R3543273-2 06/25/20 22:57 • (LCSD) R3543273-3 06/25/20 23:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.25	1.32	83.3	88.0	50.0-150			5.45	20
(S) o-Terphenyl				*90.0*	*94.0*	*31.0-160*				

Method Blank (MB)

(MB) R3543849-1 06/27/20 19:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*75.0*			*31.0-160*

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

(LCS) R3543849-2 06/27/20 19:51 • (LCSD) R3543849-3 06/27/20 20:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.41	1.38	94.0	92.0	50.0-150			2.15	20
(S) o-Terphenyl				*84.5*	*81.5*	*31.0-160*				

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.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* 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 National.

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		

Pace Analytical National 1313 Point Mallard Parkway SE Suite B Decatur, AL, 35601

Alabama	40160
ANSI National Accreditation Board	L2239

Pace Analytical National 660 Bercut Dr. Ste. C Sacramento, CA, 95811

California	2961	Oregon	CA300002
Minnesota	006-999-465	Washington	C926
North Dakota	R-214		

Pace Analytical National 6000 South Eastern Avenue Ste 9A Las Vegas, NV, 89119

Nevada	NV009412021-1

Pace Analytical National 1606 E. Brazos Street Suite D Victoria, TX, 77901

Texas	T104704328-20-18

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

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **EP Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-EP**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **EP (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
~~MW-6A~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-85~~ (LNAPL)	Grab	GW				10	X	X	X	X	X	X						
MW-86	Grab	GW		6/17/20	1415	11	X	X	X		X	X	X	X				01
~~MW-120~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-121~~	Grab	GW				10	X	X	X	X	X	X						
MW-84	Grab	GW		6/17/20	1330	10	X	X	X	X	X	X						02
MW-122	Grab	GW		6/17/20	940	10	X	X	X	X	X	X						03
MW-81	Grab	GW		6/17/20	1025	10	X	X	X	X	X	X						04
MW-80	Grab	GW		6/17/20	1110	10	X	X	X	X	X	X						05
MW-79	Grab	GW		6/17/20	1155	10	X	X	X	X	X	X						06

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

Remarks:
Dissolved metals field-filtered.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
___ UPS ✓ FedEx ___ Courier ___ _____

Tracking #

Relinquished by : (Signature) Scott Ude — Date: 6/17/20 — Time: 1700
Received by: (Signature)

Relinquished by : (Signature) — Date: — Time:
Received by: (Signature)

Relinquished by : (Signature) — Date: — Time:
Received for lab by: (Signature) Hanley Ude — Date: 6/19/20 — Time: 845

Trip Blank Received: Yes / No — HCL / MeoH — TSP
Temp: 4.7°C — Bottles Received: 179
S.I.=.4

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

Chain of Custody Page 1 of 6

Pace Analytical*
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123207
T# 1092
Acctnum: TRCATX
Template: T133265
Prelogin: P763440
TSR: 526
PB:
Shipped Via:

Received by OCD: 11/22/2022 9:46:04 AM

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **EP Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-EP**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **EP (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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

Chain of Custody Page 2 of 6

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # 123724

Table #

Acctnum: TRCATX

Template: T133265

Prelogin: P763440

TSR: 526

PB:

Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-82	Grab	GW		6/17/20	1245	10	X	X	X	X	X	X						07
~~MW-74~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-73~~	Grab	GW				10	X	X	X	X	X	X						
MW-2A	Grab	GW		6/17/20	855	10	X	X	X	X	X	X						08
~~MW-72~~	Grab	GW				10	X	X	X	X	X	X						
~~OCD-6~~	Grab	GW				10	X	X	X	X	X	X						
~~OCD-7AR~~	Grab	GW				10	X	X	X	X	X	X						
MW-76	Grab	GW		6/17/20	1325	10	X	X	X	X	X	X						09
MW-77	Grab	GW		6/17/20	1410	10	X	X	X	X	X	X						10
MW-78	Grab	GW		6/17/20	1455	10	X	X	X	X	X	X						11

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature) Scott Ude	Date: 6/17/20	Time: 1700	Received by: (Signature)	Trip Blank Received: Yes / No (HCL / MeoH / TBR)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.7 °C Bottles Received: 17
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Hayley Mc	Date: 6/19/20 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Released to Imaging: 11/22/2022 9:50:00 AM

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **EP Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-EP**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **EP (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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 3 of 6

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123707

Table #

Acctnum: TRCATX

Template: T133265

Prelogin: P763440

TSR: 526

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
MW-75	Grab	GW		6/17/20	1540	10	X	X	X	X	X	X						12
MW-83	Grab	GW		6/17/20	1240	10	X	X	X	X	X	X						13
MW-3	Grab	GW		6/17/20	1140	10	X	X	X	X	X	X						14
~~MW-88~~	Grab	GW				10	X	X	X	X	X	X						~~15~~
MW-22A	Grab	GW		6/17/20	1025	10	X	X	X	X	X	X						15
MW-10	Grab	GW		6/17/20	940	10	X	X	X	X	X	X						16
MW-123	Grab	GW		6/17/20	855	10	X	X	X	X	X	X						17
~~MW-4A~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-5A~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-7A~~	Grab	GW				10	X	X	X	X	X	X						

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature) Scott Ude	Date: 6/17/20	Time: 1700	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeOH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.5 °C Bottles Received: 17
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/19/20 Time: 845

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **EP Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-EP**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **EP (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude
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	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
~~OCD-8A~~	Grab	GW				11	X	X	X		X	X	X	X				
MW-1R	Grab	GW		6/17/20	1000	8	X	X		X	X	X						10
MW-15	Grab	GW		6/17/20	1045	10	X	X	X	X	X	X						15
OCD-1R	Grab	GW		6/17/20	1415	10	X	X	X	X	X	X						20
OCD-2A	Grab	GW		6/17/20	1325	10	X	X	X	X	X	X						21
OCD-3	Grab	GW		6/17/20	1145	10	X	X	X	X	X	X						22
OCD-4	Grab	GW		6/17/20	1055	10	X	X	X	X	X	X						23
MW-11A	Grab	GW		6/17/20	1235	10	X	X	X	X	X	X						24
OCD-5	Grab	GW		6/17/20	1010	10	X	X	X	X	X	X						28
~~MW-87~~	Grab	GW				8	X	X		X	X	X						

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123801

Table #

Acctnum: TRCATX
Template: T133265
Prelogin: P763440
TSR: 526
PB:

Shipped Via:

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	6/17/20	1700		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.5 °C Bottles Received: 179
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/19/20 Time: 845

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **EP Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-EP**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **EP (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123207

Table #

Acctnum: TRCATX
Template: T133265
Prelogin: P763440
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
~~MW-18A~~	Grab	GW				9	X	X			X	X	X	X				
~~MW-70~~	Grab	GW				10	X	X	X	X	X	X						
~~MW-124~~	Grab	GW				10	X	X	X	X	X	X						
~~DUP-EP-01~~	Grab	GW				10	X	X	X	X	X	X						
DUP-EP-02	Grab	GW		6/17/20	1000	10	X	X	X	X	X	X						26
DUP-EP-03	Grab	GW		6/17/20	1100	10	X	X	X	X	X	X						27
~~EB-EP-01~~	Grab	GW				10	X	X	X	X	X	X						
~~EB-EP-02~~	Grab	GW				10	X	X	X	X	X	X						
~~EB-EP-03~~	Grab	GW				10	X	X	X	X	X	X						
EB-EP-04	Grab	GW		6/17/20	1210	10	X	X	X	X	X	X						28

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	6/17/20	1700	
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

Temp: 4.1 °C Bottles Received: 17

Date: 6/19/20 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: **Julie Speer**

Email To: **jspeer@trccompanies.com**

Project Description: **EP Spring 2020**

City/State Collected: **Artesia, NM**

Phone: **512-684-3170**
Fax:

Client Project # **330538.0000.0000**

Lab Project # **TRCATX-EP**

Collected by (print): **Scott Ude/HMI Team**

Site/Facility ID # **EP (Navajo - Artesia)**

P.O. # **150726**

Collected by (signature): Scott Ude

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 6 of 6

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 123127

Table #

Acctnum: TRCATX
Template: T133265
Prelogin: P763440
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC	DRO	GRO	Total/Dissolved Short List Metals	Cations (from "total metals" bottle)	Anions,NO2NO3, TDS	Total/Dissolved Long List Metals	Cyanide	SVOCs (8270)	EDB (8011)	Remarks	Sample # (lab only)
Trip Blank-EP-01	Grab	GW				1	X											
~~Trip Blank-EP-02~~	Grab	GW				1	X											
Trip Blank-EP-03	Grab	GW		6/17/20	—	1	X											29
~~Trip Blank-EP-04~~	Grab	GW				1	X											

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

Remarks:
Dissolved metals field-filtered.

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	6/17/20	1700	
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

Temp: 4.1 °C Bottles Received: 179

Date: 6/19/20 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Released to Imaging: 11/22/2022 9:50:00 AM
Received by OCD: 11/22/2022 9:46:04 AM

FedEx Tracking #:	Corresponding temp	
1663 5756 9467	4.1 - 0.1 = 4.0	HM A7
1676 2755 8222	0.9 - .1 = 0.8	
1663 5756 9732	0.4 - .1 = 0.3	
9489	1.3 + .1 = 1.4	MP A3
1676 2755 8233	0.5 - .1 = 0.4	HM A7
1663 5756 9835	1.1 + .1 = 1.2	MP A3
9412	1.9 - .1 = 1.8	HM A7
9490	1.1 - .1 = 1.0	
1676 2755 8211	1.2 - .1 = 1.1	
1203 5745 6051	1.5 - .1 = 1.4	
1663 5756 1054	1.5 - .1 = 1.4	
1087	1.7 - .1 = 1.6	
1043	0.8 - .1 = 0.7	
1065	0.3 - .1 = 0.2	
1076	1.0 - .1 = 0.9	
9478	3.7 - .1 = 3.6	
9721	0.3 - .1 = 0.2	
9798	1.2 - .1 = 1.1	
4492 6230 1294	1.5 - .1 = 1.4	
1203 5785 6040	1.1 - .1 = 1.0	
1663 5756 9423	1.5 - .1 = 1.4	
No Tracking #	1.6 - .1 = 1.5	KI A7

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District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 160780

CONDITIONS

Operator: NAVAJO REFINING COMPANY, L.L.C. P.O. Box 159 Artesia, NM 88211	OGRID: 15694
	Action Number: 160780
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

Created By	Condition	Condition Date
scwells	Accepted for Record Retention Purposes-Only	11/22/2022