APPENDIX H

RI LABORATORY DATA

PART 7

L1205183-L1211929

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 09, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1205183
Samples Received:	04/02/2020
Project Number:	1413-001-02-501F
Description:	American Linen

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By: Brian Ford

Brian Ford
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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SV01-040120 L1205183-01 Air

Collected by: SEM
Collected date/time: 04/01/20 11:55
Received date/time: 04/02/20 08:30

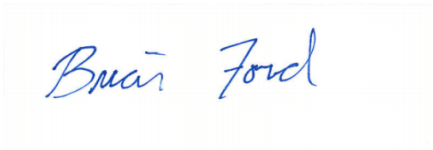
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1455032	1	04/03/20 22:43	04/03/20 22:43	MBF	Mt. Juliet, TN

SV01-040120-D L1205183-02 Air

Collected by: SEM
Collected date/time: 04/01/20 11:55
Received date/time: 04/02/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1455032	1	04/03/20 23:27	04/03/20 23:27	MBF	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.



Brian Ford
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.04	12.0		1	WG1455032
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1455032
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1455032
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1455032
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1455032
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1455032
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1455032
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1455032
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1455032
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1455032
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1455032
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1455032
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1455032
Chloromethane	74-87-3	50.50	0.200	0.413	0.280	0.578		1	WG1455032
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1455032
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1455032
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1455032
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1455032
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1455032
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1455032
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1455032
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1455032
1,1-Dichloroethane	75-34-3	98	0.200	0.802	0.351	1.41		1	WG1455032
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1455032
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1455032
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1455032
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1455032
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1455032
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1455032
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1455032
Ethanol	64-17-5	46.10	0.630	1.19	7.23	13.6		1	WG1455032
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1455032
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1455032
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1455032
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.331	1.64		1	WG1455032
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1455032
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1455032
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1455032
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1455032
n-Hexane	110-54-3	86.20	0.200	0.705	ND	ND		1	WG1455032
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1455032
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1455032
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND	J4	1	WG1455032
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.25	3.69		1	WG1455032
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1455032
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1455032
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1455032
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1455032
2-Propanol	67-63-0	60.10	1.25	3.07	1.33	3.27	J4	1	WG1455032
Propene	115-07-1	42.10	0.400	0.689	0.504	0.868	B	1	WG1455032
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1455032
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1455032
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.245	1.66		1	WG1455032
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1455032
Toluene	108-88-3	92.10	0.200	0.753	ND	ND		1	WG1455032
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1455032

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	5.22	28.4		1	WG1455032
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1455032
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1455032
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1455032
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1455032
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1455032
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1455032
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1455032
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1455032
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1455032
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1455032
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.7*				WG1455032

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	1.97	4.68		1	WG1455032
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1455032
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1455032
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1455032
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1455032
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1455032
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1455032
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1455032
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1455032
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1455032
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1455032
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1455032
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1455032
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1455032
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1455032
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1455032
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1455032
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1455032
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1455032
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1455032
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1455032
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1455032
1,1-Dichloroethane	75-34-3	98	0.200	0.802	0.369	1.48		1	WG1455032
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1455032
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1455032
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1455032
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1455032
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1455032
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1455032
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1455032
Ethanol	64-17-5	46.10	0.630	1.19	6.96	13.1		1	WG1455032
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1455032
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1455032
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1455032
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.364	1.80		1	WG1455032
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1455032
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1455032
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1455032
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1455032
n-Hexane	110-54-3	86.20	0.200	0.705	ND	ND		1	WG1455032
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1455032
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1455032
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND	J4	1	WG1455032
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1455032
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1455032
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1455032
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1455032
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1455032
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND	J4	1	WG1455032
Propene	115-07-1	42.10	0.400	0.689	0.524	0.902	B	1	WG1455032
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1455032
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1455032
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1455032
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	0.394	1.16		1	WG1455032
Toluene	108-88-3	92.10	0.200	0.753	ND	ND		1	WG1455032
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1455032

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	5.34	29.0		1	WG1455032
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1455032
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1455032
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1455032
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1455032
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1455032
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1455032
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1455032
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1455032
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1455032
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1455032
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.7*				WG1455032

Method Blank (MB)

(MB) R3515346-3 04/03/20 08:08

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	0.109	J	0.0569	1.25
Allyl Chloride	U		0.0546	0.200
Benzene	U		0.0460	0.200
Benzyl Chloride	0.108	J	0.0598	0.200
Bromodichloromethane	U		0.0436	0.200
Bromoform	U		0.0786	0.600
Bromomethane	U		0.0609	0.200
1,3-Butadiene	U		0.0563	2.00
Carbon disulfide	U		0.0544	0.200
Carbon tetrachloride	U		0.0585	0.200
Chlorobenzene	U		0.0601	0.200
Chloroethane	U		0.0489	0.200
Chloroform	U		0.0574	0.200
Chloromethane	U		0.0544	0.200
2-Chlorotoluene	U		0.0605	0.200
Cyclohexane	U		0.0534	0.200
Dibromochloromethane	U		0.0494	0.200
1,2-Dibromoethane	U		0.0185	0.200
1,2-Dichlorobenzene	U		0.0603	0.200
1,3-Dichlorobenzene	0.0705	J	0.0597	0.200
1,4-Dichlorobenzene	0.0931	J	0.0557	0.200
1,2-Dichloroethane	U		0.0616	0.200
1,1-Dichloroethane	U		0.0514	0.200
1,1-Dichloroethene	U		0.0490	0.200
cis-1,2-Dichloroethene	U		0.0389	0.200
trans-1,2-Dichloroethene	U		0.0464	0.200
1,2-Dichloropropane	U		0.0599	0.200
cis-1,3-Dichloropropene	U		0.0588	0.200
trans-1,3-Dichloropropene	U		0.0435	0.200
1,4-Dioxane	U		0.0554	0.200
Ethylbenzene	U		0.0506	0.200
4-Ethyltoluene	U		0.0666	0.200
Trichlorofluoromethane	U		0.0673	0.200
Dichlorodifluoromethane	U		0.0601	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0687	0.200
1,2-Dichlorotetrafluoroethane	U		0.0458	0.200
Heptane	U		0.0626	0.200
Hexachloro-1,3-butadiene	U		0.0656	0.630
n-Hexane	U		0.0457	0.200
Isopropylbenzene	U		0.0563	0.200

Method Blank (MB)

(MB) R3515346-3 04/03/20 08:08

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Methylene Chloride	U		0.0465	0.200
Methyl Butyl Ketone	U		0.0682	1.25
2-Butanone (MEK)	U		0.0493	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0650	1.25
Methyl Methacrylate	U		0.0773	0.200
MTBE	U		0.0505	0.200
Naphthalene	U		0.154	0.630
2-Propanol	U		0.0882	1.25
Propene	0.212	J	0.0932	0.400
Styrene	U		0.0465	0.200
1,1,2,2-Tetrachloroethane	U		0.0576	0.200
Tetrachloroethylene	U		0.0497	0.200
Tetrahydrofuran	U		0.0508	0.200
Toluene	U		0.0499	0.200
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0665	0.200
1,1,2-Trichloroethane	U		0.0287	0.200
Trichloroethylene	U		0.0545	0.200
1,2,4-Trimethylbenzene	U		0.0483	0.200
1,3,5-Trimethylbenzene	U		0.0631	0.200
2,2,4-Trimethylpentane	U		0.0456	0.200
Vinyl chloride	U		0.0457	0.200
Vinyl Bromide	U		0.0727	0.200
Vinyl acetate	U		0.0639	0.200
m&p-Xylene	U		0.0946	0.400
o-Xylene	U		0.0633	0.200
Ethanol	U		0.0832	0.630
(S) 1,4-Bromofluorobenzene	*95.9*			*60.0-140*

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

(LCS) R3515346-1 04/03/20 06:43 • (LCSD) R3515346-2 04/03/20 07:25

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethanol	3.75	2.77	2.73	73.9	72.8	55.0-148			1.45	25
Propene	3.75	2.48	2.81	66.1	74.9	64.0-144			12.5	25
Dichlorodifluoromethane	3.75	3.09	3.40	82.4	90.7	64.0-139			9.55	25
1,2-Dichlorotetrafluoroethane	3.75	3.07	3.26	81.9	86.9	70.0-130			6.00	25
Chloromethane	3.75	2.86	3.18	76.3	84.8	70.0-130			10.6	25

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

(LCS) R3515346-1 04/03/20 06:43 • (LCSD) R3515346-2 04/03/20 07:25

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Vinyl chloride	3.75	2.93	3.19	78.1	85.1	70.0-130			8.50	25
1,3-Butadiene	3.75	2.80	2.99	74.7	79.7	70.0-130			6.56	25
Bromomethane	3.75	3.13	3.10	83.5	82.7	70.0-130			0.963	25
Chloroethane	3.75	3.01	2.94	80.3	78.4	70.0-130			2.35	25
Trichlorofluoromethane	3.75	3.17	3.38	84.5	90.1	70.0-130			6.41	25
1,1,2-Trichlorotrifluoroethane	3.75	3.17	3.29	84.5	87.7	70.0-130			3.72	25
1,1-Dichloroethene	3.75	3.08	3.08	82.1	82.1	70.0-130			0.000	25
1,1-Dichloroethane	3.75	3.10	3.07	82.7	81.9	70.0-130			0.972	25
Acetone	3.75	2.95	3.06	78.7	81.6	70.0-130			3.66	25
2-Propanol	3.75	2.58	2.95	68.8	78.7	70.0-139	J4		13.4	25
Carbon disulfide	3.75	2.73	2.79	72.8	74.4	70.0-130			2.17	25
Methylene Chloride	3.75	2.91	3.03	77.6	80.8	70.0-130			4.04	25
MTBE	3.75	2.99	3.04	79.7	81.1	70.0-130			1.66	25
trans-1,2-Dichloroethene	3.75	3.02	3.08	80.5	82.1	70.0-130			1.97	25
n-Hexane	3.75	3.00	3.00	80.0	80.0	70.0-130			0.000	25
Vinyl acetate	3.75	2.96	2.86	78.9	76.3	70.0-130			3.44	25
Methyl Ethyl Ketone	3.75	2.92	3.04	77.9	81.1	70.0-130			4.03	25
cis-1,2-Dichloroethene	3.75	3.03	3.09	80.8	82.4	70.0-130			1.96	25
Chloroform	3.75	3.15	3.23	84.0	86.1	70.0-130			2.51	25
Cyclohexane	3.75	3.13	3.21	83.5	85.6	70.0-130			2.52	25
1,1,1-Trichloroethane	3.75	3.12	3.24	83.2	86.4	70.0-130			3.77	25
Carbon tetrachloride	3.75	3.22	3.29	85.9	87.7	70.0-130			2.15	25
Benzene	3.75	3.18	3.22	84.8	85.9	70.0-130			1.25	25
1,2-Dichloroethane	3.75	3.20	3.24	85.3	86.4	70.0-130			1.24	25
Heptane	3.75	3.01	2.95	80.3	78.7	70.0-130			2.01	25
Trichloroethylene	3.75	3.21	3.26	85.6	86.9	70.0-130			1.55	25
1,2-Dichloropropane	3.75	3.15	3.17	84.0	84.5	70.0-130			0.633	25
1,4-Dioxane	3.75	2.77	3.17	73.9	84.5	70.0-140			13.5	25
Bromodichloromethane	3.75	3.22	3.30	85.9	88.0	70.0-130			2.45	25
cis-1,3-Dichloropropene	3.75	3.13	3.23	83.5	86.1	70.0-130			3.14	25
4-Methyl-2-pentanone (MIBK)	3.75	2.64	3.10	70.4	82.7	70.0-139			16.0	25
Toluene	3.75	3.08	3.21	82.1	85.6	70.0-130			4.13	25
trans-1,3-Dichloropropene	3.75	3.10	3.31	82.7	88.3	70.0-130			6.55	25
1,1,2-Trichloroethane	3.75	3.12	3.35	83.2	89.3	70.0-130			7.11	25
Tetrachloroethylene	3.75	3.36	3.59	89.6	95.7	70.0-130			6.62	25
Methyl Butyl Ketone	3.75	2.57	3.22	68.5	85.9	70.0-149	J4		22.5	25
Dibromochloromethane	3.75	3.27	3.48	87.2	92.8	70.0-130			6.22	25
1,2-Dibromoethane	3.75	3.19	3.45	85.1	92.0	70.0-130			7.83	25
Chlorobenzene	3.75	3.15	3.56	84.0	94.9	70.0-130			12.2	25
Ethylbenzene	3.75	3.16	3.34	84.3	89.1	70.0-130			5.54	25

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

(LCS) R3515346-1 04/03/20 06:43 • (LCSD) R3515346-2 04/03/20 07:25

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
m&p-Xylene	7.50	6.44	6.80	85.9	90.7	70.0-130			5.44	25
o-Xylene	3.75	3.18	3.35	84.8	89.3	70.0-130			5.21	25
Styrene	3.75	3.30	3.51	88.0	93.6	70.0-130			6.17	25
Bromoform	3.75	3.46	3.62	92.3	96.5	70.0-130			4.52	25
1,1,2,2-Tetrachloroethane	3.75	3.11	3.41	82.9	90.9	70.0-130			9.20	25
4-Ethyltoluene	3.75	3.24	3.61	86.4	96.3	70.0-130			10.8	25
1,3,5-Trimethylbenzene	3.75	3.18	3.65	84.8	97.3	70.0-130			13.8	25
1,2,4-Trimethylbenzene	3.75	3.18	3.63	84.8	96.8	70.0-130			13.2	25
1,3-Dichlorobenzene	3.75	3.25	3.66	86.7	97.6	70.0-130			11.9	25
1,4-Dichlorobenzene	3.75	3.39	3.81	90.4	102	70.0-130			11.7	25
Benzyl Chloride	3.75	3.22	3.63	85.9	96.8	70.0-152			12.0	25
1,2-Dichlorobenzene	3.75	3.17	3.64	84.5	97.1	70.0-130			13.8	25
1,2,4-Trichlorobenzene	3.75	3.25	3.78	86.7	101	70.0-160			15.1	25
Hexachloro-1,3-butadiene	3.75	3.13	3.63	83.5	96.8	70.0-151			14.8	25
Naphthalene	3.75	3.26	3.75	86.9	100	70.0-159			14.0	25
Allyl Chloride	3.75	3.25	3.29	86.7	87.7	70.0-130			1.22	25
2-Chlorotoluene	3.75	3.27	3.67	87.2	97.9	70.0-130			11.5	25
Methyl Methacrylate	3.75	2.82	3.01	75.2	80.3	70.0-130			6.52	25
Tetrahydrofuran	3.75	2.68	2.94	71.5	78.4	70.0-137			9.25	25
2,2,4-Trimethylpentane	3.75	3.02	3.14	80.5	83.7	70.0-130			3.90	25
Vinyl Bromide	3.75	3.15	3.48	84.0	92.8	70.0-130			9.95	25
Isopropylbenzene	3.75	3.18	3.47	84.8	92.5	70.0-130			8.72	25
(S) 1,4-Bromofluorobenzene				*91.4*	*97.2*	*60.0-140*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.

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

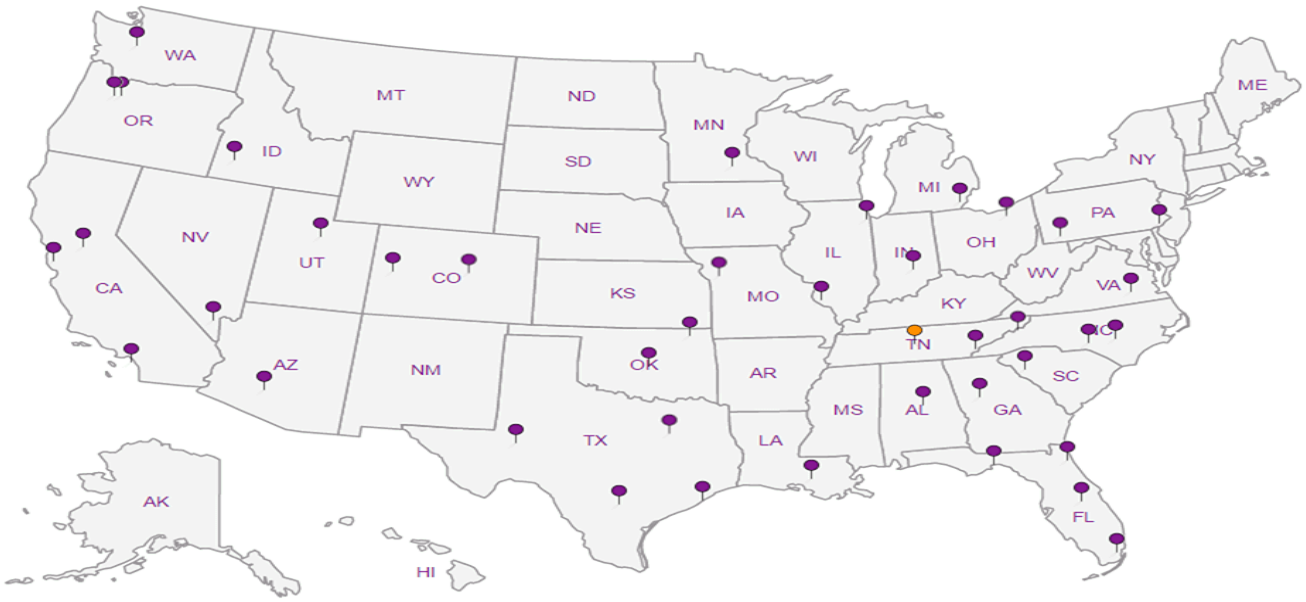
Third Party Federal Accreditations

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.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;sm

Project Description: American Linen

City/State Collected: SEATTLE, WA

Please Circle: PT MT CT ET

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413-001-02-501F

Lab Project # PESENVSWA-ALP

Collected by (print): SEM

Site/Facility ID #

P.O. #

Collected by (signature):

Quote #

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs TO-15 Summa
SV01-040120	/	Air	/	4/1/20	11:55	1	X
SV01-040120-D		Air		↓	1155	1	X
		Air					
		Air					

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

SDG # 1205163

H017

Tat

Acctnum: PESENVSWA

Template: T165510

Prelogin: P764638

PM: 110 - Brian Ford

PB: CSG 03/26/20

Shipped Via: FedEX 2nd Day

Remarks	Sample # (lab only)
	c1
	c2

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 191175552620 BDS012

Sample Receipt Checklist

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

	Date:	Time:		
Relinquished by : (Signature)	4/1/20	1500	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: Amb °C Bottles Received: 2
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 04/02/20 Time: 0830

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 10, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1205427
Samples Received:	04/03/2020
Project Number:	1413.001.02.501E
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

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-179-040220 L1205427-01 GW

Collected by: R McLaughlin | Collected date/time: 04/02/20 09:25 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1455323	1	04/06/20 00:23	04/06/20 00:23	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	1	04/03/20 16:03	04/03/20 16:03	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	5	04/03/20 16:16	04/03/20 16:16	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1456781	1	04/07/20 23:42	04/07/20 23:42	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455253	1	04/04/20 06:54	04/04/20 10:56	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1455833	1	04/05/20 13:39	04/05/20 13:39	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1455178	1	04/04/20 15:08	04/04/20 15:08	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1456921	10	04/08/20 12:52	04/08/20 12:52	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455710	20	04/06/20 00:52	04/06/20 00:52	ACG	Mt. Juliet, TN

MW-178-040220 L1205427-02 GW

Collected by: R McLaughlin | Collected date/time: 04/02/20 11:00 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1455324	5	04/07/20 23:04	04/07/20 23:04	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	1	04/03/20 16:29	04/03/20 16:29	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	5	04/03/20 17:09	04/03/20 17:09	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1456781	1	04/08/20 00:04	04/08/20 00:04	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455812	1	04/06/20 11:21	04/06/20 19:54	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1455833	1	04/05/20 14:01	04/05/20 14:01	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1455178	1	04/04/20 15:21	04/04/20 15:21	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1456921	10	04/08/20 12:55	04/08/20 12:55	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455710	1	04/05/20 22:33	04/05/20 22:33	ACG	Mt. Juliet, TN

MW-172-040220 L1205427-03 GW

Collected by: R McLaughlin | Collected date/time: 04/02/20 12:40 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1455324	1	04/07/20 23:48	04/07/20 23:48	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	1	04/03/20 17:22	04/03/20 17:22	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1456781	1	04/08/20 00:22	04/08/20 00:22	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455253	1	04/04/20 06:54	04/04/20 10:59	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1455833	1	04/05/20 14:37	04/05/20 14:37	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1455178	1	04/04/20 15:27	04/04/20 15:27	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455980	500	04/06/20 00:17	04/06/20 00:17	DWR	Mt. Juliet, TN

MW-170-040220 L1205427-04 GW

Collected by: R McLaughlin | Collected date/time: 04/02/20 13:35 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1455324	1	04/07/20 20:58	04/07/20 20:58	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	1	04/03/20 17:48	04/03/20 17:48	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	5	04/03/20 18:02	04/03/20 18:02	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1456783	1	04/07/20 13:17	04/07/20 13:17	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455253	1	04/04/20 06:54	04/04/20 11:03	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1455833	20	04/05/20 14:58	04/05/20 14:58	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1455178	1	04/04/20 15:38	04/04/20 15:38	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1456921	10	04/08/20 12:57	04/08/20 12:57	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455980	500	04/06/20 00:38	04/06/20 00:38	DWR	Mt. Juliet, TN

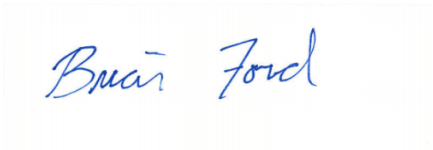
1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-171-040220 L1205427-05 GW

Collected by	Collected date/time	Received date/time
R McLaughlin	04/02/20 14:45	04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1455324	1	04/07/20 21:07	04/07/20 21:07	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	1	04/03/20 18:15	04/03/20 18:15	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1456783	1	04/07/20 13:31	04/07/20 13:31	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455253	1	04/04/20 06:54	04/04/20 11:06	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1455833	1	04/05/20 15:20	04/05/20 15:20	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1455178	1	04/04/20 15:53	04/04/20 15:53	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455831	1	04/05/20 12:49	04/05/20 12:49	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1457615	1	04/08/20 17:39	04/08/20 17:39	ADM	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.



Brian Ford
Project Manager



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	1400000		2710	20000	1	04/06/2020 00:23	WG1455323

Sample Narrative:

L1205427-01 WG1455323: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	122000		260	5000	5	04/03/2020 16:16	WG1455131
Nitrate	U		22.7	100	1	04/03/2020 16:03	WG1455131
Sulfate	10100		77.4	5000	1	04/03/2020 16:03	WG1455131

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	73200		102	1000	1	04/07/2020 23:42	WG1456781

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	40600		15.0	100	1	04/04/2020 10:56	WG1455253
Manganese	8350		0.250	5.00	1	04/04/2020 10:56	WG1455253

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	424		31.6	100	1	04/05/2020 13:39	WG1455833
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*04/05/2020 13:39*	WG1455833

Sample Narrative:

L1205427-01 WG1455833: No discernable petroleum pattern present.

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	17800		2.87	6.78	10	04/08/2020 12:52	WG1456921
Ethane	10.2		0.296	1.29	1	04/04/2020 15:08	WG1455178
Ethene	60.9		0.422	1.27	1	04/04/2020 15:08	WG1455178

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	44.3	J	21.0	500	20	04/06/2020 00:52	WG1455710
Acrylonitrile	U		17.5	100	20	04/06/2020 00:52	WG1455710
Benzene	U		1.79	10.0	20	04/06/2020 00:52	WG1455710
Bromobenzene	U		2.66	10.0	20	04/06/2020 00:52	WG1455710
Bromodichloromethane	U		1.60	10.0	20	04/06/2020 00:52	WG1455710
Bromochloromethane	U		2.90	10.0	20	04/06/2020 00:52	WG1455710
Bromoform	U	J0	3.72	10.0	20	04/06/2020 00:52	WG1455710
Bromomethane	U	J0	3.14	50.0	20	04/06/2020 00:52	WG1455710
n-Butylbenzene	U		2.86	10.0	20	04/06/2020 00:52	WG1455710
sec-Butylbenzene	U		2.68	10.0	20	04/06/2020 00:52	WG1455710

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
tert-Butylbenzene	U		3.66	10.0	20	04/06/2020 00:52	WG1455710
Carbon disulfide	U		2.02	10.0	20	04/06/2020 00:52	WG1455710
Carbon tetrachloride	U		3.18	10.0	20	04/06/2020 00:52	WG1455710
Chlorobenzene	U		2.80	10.0	20	04/06/2020 00:52	WG1455710
Chlorodibromomethane	U		2.56	10.0	20	04/06/2020 00:52	WG1455710
Chloroethane	23.3	J	2.82	50.0	20	04/06/2020 00:52	WG1455710
Chloroform	U		1.72	10.0	20	04/06/2020 00:52	WG1455710
Chloromethane	U	J0	3.06	25.0	20	04/06/2020 00:52	WG1455710
2-Chlorotoluene	U		2.22	10.0	20	04/06/2020 00:52	WG1455710
4-Chlorotoluene	U		1.94	10.0	20	04/06/2020 00:52	WG1455710
1,2-Dibromo-3-Chloropropane	U	J0	6.50	50.0	20	04/06/2020 00:52	WG1455710
1,2-Dibromoethane	U		3.86	10.0	20	04/06/2020 00:52	WG1455710
Dibromomethane	U		2.34	10.0	20	04/06/2020 00:52	WG1455710
1,2-Dichlorobenzene	U		2.02	10.0	20	04/06/2020 00:52	WG1455710
1,3-Dichlorobenzene	U		2.60	10.0	20	04/06/2020 00:52	WG1455710
1,4-Dichlorobenzene	U		2.42	10.0	20	04/06/2020 00:52	WG1455710
Dichlorodifluoromethane	U		2.54	50.0	20	04/06/2020 00:52	WG1455710
1,1-Dichloroethane	U		2.28	10.0	20	04/06/2020 00:52	WG1455710
1,2-Dichloroethane	U		2.16	10.0	20	04/06/2020 00:52	WG1455710
1,1-Dichloroethene	U		3.76	10.0	20	04/06/2020 00:52	WG1455710
cis-1,2-Dichloroethene	817		1.87	10.0	20	04/06/2020 00:52	WG1455710
trans-1,2-Dichloroethene	5.99	J	3.04	10.0	20	04/06/2020 00:52	WG1455710
1,2-Dichloropropane	U		3.80	10.0	20	04/06/2020 00:52	WG1455710
1,1-Dichloropropene	U		2.56	10.0	20	04/06/2020 00:52	WG1455710
1,3-Dichloropropane	U		2.94	20.0	20	04/06/2020 00:52	WG1455710
cis-1,3-Dichloropropene	U		1.95	10.0	20	04/06/2020 00:52	WG1455710
trans-1,3-Dichloropropene	U		4.44	10.0	20	04/06/2020 00:52	WG1455710
trans-1,4-Dichloro-2-butene	U	J0	5.14	100	20	04/06/2020 00:52	WG1455710
2,2-Dichloropropane	U		1.86	10.0	20	04/06/2020 00:52	WG1455710
Di-isopropyl ether	U		1.85	10.0	20	04/06/2020 00:52	WG1455710
Ethylbenzene	U		3.16	10.0	20	04/06/2020 00:52	WG1455710
Hexachloro-1,3-butadiene	U		3.14	20.0	20	04/06/2020 00:52	WG1455710
2-Hexanone	U		15.1	100	20	04/06/2020 00:52	WG1455710
n-Hexane	U		6.10	100	20	04/06/2020 00:52	WG1455710
Iodomethane	U	J0	7.54	200	20	04/06/2020 00:52	WG1455710
Isopropylbenzene	U		2.52	10.0	20	04/06/2020 00:52	WG1455710
p-Isopropyltoluene	U		2.76	10.0	20	04/06/2020 00:52	WG1455710
2-Butanone (MEK)	U		25.6	100	20	04/06/2020 00:52	WG1455710
Methylene Chloride	U		21.4	50.0	20	04/06/2020 00:52	WG1455710
4-Methyl-2-pentanone (MIBK)	U		16.5	100	20	04/06/2020 00:52	WG1455710
Methyl tert-butyl ether	U		2.04	10.0	20	04/06/2020 00:52	WG1455710
Naphthalene	U	J0	3.48	50.0	20	04/06/2020 00:52	WG1455710
n-Propylbenzene	U		3.24	10.0	20	04/06/2020 00:52	WG1455710
Styrene	U		2.34	10.0	20	04/06/2020 00:52	WG1455710
1,1,1,2-Tetrachloroethane	U		2.40	10.0	20	04/06/2020 00:52	WG1455710
1,1,2,2-Tetrachloroethane	U		2.60	10.0	20	04/06/2020 00:52	WG1455710
1,1,2-Trichlorotrifluoroethane	U		3.28	10.0	20	04/06/2020 00:52	WG1455710
Tetrachloroethene	62.3		3.98	10.0	20	04/06/2020 00:52	WG1455710
Toluene	U		8.24	10.0	20	04/06/2020 00:52	WG1455710
1,2,3-Trichlorobenzene	U	J0	3.28	10.0	20	04/06/2020 00:52	WG1455710
1,2,4-Trichlorobenzene	U	J0	7.10	10.0	20	04/06/2020 00:52	WG1455710
1,1,1-Trichloroethane	U		1.88	10.0	20	04/06/2020 00:52	WG1455710
1,1,2-Trichloroethane	U		3.72	10.0	20	04/06/2020 00:52	WG1455710
Trichloroethene	45.0		3.06	10.0	20	04/06/2020 00:52	WG1455710
Trichlorofluoromethane	U		2.60	50.0	20	04/06/2020 00:52	WG1455710
1,2,3-Trichloropropane	U		4.94	50.0	20	04/06/2020 00:52	WG1455710

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2,4-Trimethylbenzene	U		2.46	10.0	20	04/06/2020 00:52	WG1455710
1,2,3-Trimethylbenzene	U		1.48	10.0	20	04/06/2020 00:52	WG1455710
1,3,5-Trimethylbenzene	U		2.48	10.0	20	04/06/2020 00:52	WG1455710
Vinyl acetate	U	J0	12.9	100	20	04/06/2020 00:52	WG1455710
Vinyl chloride	152		2.36	10.0	20	04/06/2020 00:52	WG1455710
Xylenes, Total	U		6.32	30.0	20	04/06/2020 00:52	WG1455710
(S) Toluene-d8	*96.9*			*80.0-120*		*04/06/2020 00:52*	WG1455710
(S) 4-Bromofluorobenzene	*95.3*			*77.0-126*		*04/06/2020 00:52*	WG1455710
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*04/06/2020 00:52*	WG1455710

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	1890000		13600	100000	5	04/07/2020 23:04	WG1455324

Sample Narrative:
L1205427-02 WG1455324: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	185000		260	5000	5	04/03/2020 17:09	WG1455131
Nitrate	37.6	J	22.7	100	1	04/03/2020 16:29	WG1455131
Sulfate	U		77.4	5000	1	04/03/2020 16:29	WG1455131

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	84200		102	1000	1	04/08/2020 00:04	WG1456781

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	57200		15.0	100	1	04/06/2020 19:54	WG1455812
Manganese	4610		0.250	5.00	1	04/06/2020 19:54	WG1455812

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	31.7	B J	31.6	100	1	04/05/2020 14:01	WG1455833
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*04/05/2020 14:01*	WG1455833

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	7150		2.87	6.78	10	04/08/2020 12:55	WG1456921
Ethane	417		0.296	1.29	1	04/04/2020 15:21	WG1455178
Ethene	39.6		0.422	1.27	1	04/04/2020 15:21	WG1455178

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	28.6		1.05	25.0	1	04/05/2020 22:33	WG1455710
Acrylonitrile	U		0.873	5.00	1	04/05/2020 22:33	WG1455710
Benzene	0.150	J	0.0896	0.500	1	04/05/2020 22:33	WG1455710
Bromobenzene	U		0.133	0.500	1	04/05/2020 22:33	WG1455710
Bromodichloromethane	U		0.0800	0.500	1	04/05/2020 22:33	WG1455710
Bromochloromethane	U		0.145	0.500	1	04/05/2020 22:33	WG1455710
Bromoform	U	J0	0.186	0.500	1	04/05/2020 22:33	WG1455710
Bromomethane	U	J0	0.157	2.50	1	04/05/2020 22:33	WG1455710
n-Butylbenzene	U		0.143	0.500	1	04/05/2020 22:33	WG1455710
sec-Butylbenzene	U		0.134	0.500	1	04/05/2020 22:33	WG1455710
tert-Butylbenzene	U		0.183	0.500	1	04/05/2020 22:33	WG1455710
Carbon disulfide	U		0.101	0.500	1	04/05/2020 22:33	WG1455710
Carbon tetrachloride	U		0.159	0.500	1	04/05/2020 22:33	WG1455710

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/05/2020 22:33	WG1455710
Chlorodibromomethane	U		0.128	0.500	1	04/05/2020 22:33	WG1455710
Chloroethane	U		0.141	2.50	1	04/05/2020 22:33	WG1455710
Chloroform	U		0.0860	0.500	1	04/05/2020 22:33	WG1455710
Chloromethane	U	J0	0.153	1.25	1	04/05/2020 22:33	WG1455710
2-Chlorotoluene	U		0.111	0.500	1	04/05/2020 22:33	WG1455710
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2020 22:33	WG1455710
1,2-Dibromo-3-Chloropropane	U	J0	0.325	2.50	1	04/05/2020 22:33	WG1455710
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2020 22:33	WG1455710
Dibromomethane	U		0.117	0.500	1	04/05/2020 22:33	WG1455710
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2020 22:33	WG1455710
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2020 22:33	WG1455710
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2020 22:33	WG1455710
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2020 22:33	WG1455710
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2020 22:33	WG1455710
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2020 22:33	WG1455710
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2020 22:33	WG1455710
cis-1,2-Dichloroethene	1.03		0.0933	0.500	1	04/05/2020 22:33	WG1455710
trans-1,2-Dichloroethene	4.20		0.152	0.500	1	04/05/2020 22:33	WG1455710
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2020 22:33	WG1455710
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2020 22:33	WG1455710
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2020 22:33	WG1455710
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2020 22:33	WG1455710
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2020 22:33	WG1455710
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	04/05/2020 22:33	WG1455710
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2020 22:33	WG1455710
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2020 22:33	WG1455710
Ethylbenzene	0.202	J	0.158	0.500	1	04/05/2020 22:33	WG1455710
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2020 22:33	WG1455710
2-Hexanone	U		0.757	5.00	1	04/05/2020 22:33	WG1455710
n-Hexane	U		0.305	5.00	1	04/05/2020 22:33	WG1455710
Iodomethane	U	J0	0.377	10.0	1	04/05/2020 22:33	WG1455710
Isopropylbenzene	0.351	J	0.126	0.500	1	04/05/2020 22:33	WG1455710
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2020 22:33	WG1455710
2-Butanone (MEK)	23.1		1.28	5.00	1	04/05/2020 22:33	WG1455710
Methylene Chloride	U		1.07	2.50	1	04/05/2020 22:33	WG1455710
4-Methyl-2-pentanone (MIBK)	1.73	J	0.823	5.00	1	04/05/2020 22:33	WG1455710
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2020 22:33	WG1455710
Naphthalene	0.204	B J J0	0.174	2.50	1	04/05/2020 22:33	WG1455710
n-Propylbenzene	0.965		0.162	0.500	1	04/05/2020 22:33	WG1455710
Styrene	U		0.117	0.500	1	04/05/2020 22:33	WG1455710
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2020 22:33	WG1455710
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2020 22:33	WG1455710
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2020 22:33	WG1455710
Tetrachloroethene	U		0.199	0.500	1	04/05/2020 22:33	WG1455710
Toluene	U		0.412	0.500	1	04/05/2020 22:33	WG1455710
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/05/2020 22:33	WG1455710
1,2,4-Trichlorobenzene	U	J0	0.355	0.500	1	04/05/2020 22:33	WG1455710
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2020 22:33	WG1455710
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2020 22:33	WG1455710
Trichloroethene	U		0.153	0.500	1	04/05/2020 22:33	WG1455710
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2020 22:33	WG1455710
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2020 22:33	WG1455710
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2020 22:33	WG1455710
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2020 22:33	WG1455710
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2020 22:33	WG1455710

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U	J0	0.645	5.00	1	04/05/2020 22:33	WG1455710
Vinyl chloride	2.79		0.118	0.500	1	04/05/2020 22:33	WG1455710
Xylenes, Total	U		0.316	1.50	1	04/05/2020 22:33	WG1455710
(S) Toluene-d8	*96.8*			*80.0-120*		*04/05/2020 22:33*	WG1455710
(S) 4-Bromofluorobenzene	*99.2*			*77.0-126*		*04/05/2020 22:33*	WG1455710
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*04/05/2020 22:33*	WG1455710

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	201000		2710	20000	1	04/07/2020 23:48	WG1455324

Sample Narrative:

L1205427-03 WG1455324: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	22600		51.9	1000	1	04/03/2020 17:22	WG1455131
Nitrate	31.5	J	22.7	100	1	04/03/2020 17:22	WG1455131
Sulfate	41800		77.4	5000	1	04/03/2020 17:22	WG1455131

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8490		102	1000	1	04/08/2020 00:22	WG1456781

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4780		15.0	100	1	04/04/2020 10:59	WG1455253
Manganese	2580		0.250	5.00	1	04/04/2020 10:59	WG1455253

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	5310		31.6	100	1	04/05/2020 14:37	WG1455833
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*		*04/05/2020 14:37*	WG1455833

Sample Narrative:

L1205427-03 WG1455833: No discernable petroleum pattern present.

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	34.7		0.287	0.678	1	04/04/2020 15:27	WG1455178
Ethane	U		0.296	1.29	1	04/04/2020 15:27	WG1455178
Ethene	U		0.422	1.27	1	04/04/2020 15:27	WG1455178

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	930	J J0	525	12500	500	04/06/2020 00:17	WG1455980
Acrylonitrile	U		437	2500	500	04/06/2020 00:17	WG1455980
Benzene	U		44.8	250	500	04/06/2020 00:17	WG1455980
Bromobenzene	U		66.5	250	500	04/06/2020 00:17	WG1455980
Bromodichloromethane	U		40.0	250	500	04/06/2020 00:17	WG1455980
Bromochloromethane	U		72.5	250	500	04/06/2020 00:17	WG1455980
Bromoform	U		93.0	250	500	04/06/2020 00:17	WG1455980
Bromomethane	U	J0	78.5	1250	500	04/06/2020 00:17	WG1455980
n-Butylbenzene	U		71.5	250	500	04/06/2020 00:17	WG1455980
sec-Butylbenzene	U		67.0	250	500	04/06/2020 00:17	WG1455980

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
tert-Butylbenzene	U		91.5	250	500	04/06/2020 00:17	WG1455980
Carbon disulfide	U		50.5	250	500	04/06/2020 00:17	WG1455980
Carbon tetrachloride	U		79.5	250	500	04/06/2020 00:17	WG1455980
Chlorobenzene	U		70.0	250	500	04/06/2020 00:17	WG1455980
Chlorodibromomethane	U		64.0	250	500	04/06/2020 00:17	WG1455980
Chloroethane	U	J0	70.5	1250	500	04/06/2020 00:17	WG1455980
Chloroform	U		43.0	250	500	04/06/2020 00:17	WG1455980
Chloromethane	U		76.5	625	500	04/06/2020 00:17	WG1455980
2-Chlorotoluene	U		55.5	250	500	04/06/2020 00:17	WG1455980
4-Chlorotoluene	U		48.6	250	500	04/06/2020 00:17	WG1455980
1,2-Dibromo-3-Chloropropane	U		163	1250	500	04/06/2020 00:17	WG1455980
1,2-Dibromoethane	U		96.5	250	500	04/06/2020 00:17	WG1455980
Dibromomethane	U		58.5	250	500	04/06/2020 00:17	WG1455980
1,2-Dichlorobenzene	U		50.5	250	500	04/06/2020 00:17	WG1455980
1,3-Dichlorobenzene	U		65.0	250	500	04/06/2020 00:17	WG1455980
1,4-Dichlorobenzene	U		60.5	250	500	04/06/2020 00:17	WG1455980
Dichlorodifluoromethane	U		63.5	1250	500	04/06/2020 00:17	WG1455980
1,1-Dichloroethane	U		57.0	250	500	04/06/2020 00:17	WG1455980
1,2-Dichloroethane	U		54.0	250	500	04/06/2020 00:17	WG1455980
1,1-Dichloroethene	U		94.0	250	500	04/06/2020 00:17	WG1455980
cis-1,2-Dichloroethene	452		46.7	250	500	04/06/2020 00:17	WG1455980
trans-1,2-Dichloroethene	U		76.0	250	500	04/06/2020 00:17	WG1455980
1,2-Dichloropropane	U		95.0	250	500	04/06/2020 00:17	WG1455980
1,1-Dichloropropene	U		64.0	250	500	04/06/2020 00:17	WG1455980
1,3-Dichloropropane	U		73.5	500	500	04/06/2020 00:17	WG1455980
cis-1,3-Dichloropropene	U		48.8	250	500	04/06/2020 00:17	WG1455980
trans-1,3-Dichloropropene	U		111	250	500	04/06/2020 00:17	WG1455980
trans-1,4-Dichloro-2-butene	U	J0	129	2500	500	04/06/2020 00:17	WG1455980
2,2-Dichloropropane	U		46.5	250	500	04/06/2020 00:17	WG1455980
Di-isopropyl ether	U		46.2	250	500	04/06/2020 00:17	WG1455980
Ethylbenzene	U		79.0	250	500	04/06/2020 00:17	WG1455980
Hexachloro-1,3-butadiene	U		78.5	500	500	04/06/2020 00:17	WG1455980
2-Hexanone	U		379	2500	500	04/06/2020 00:17	WG1455980
n-Hexane	U		153	2500	500	04/06/2020 00:17	WG1455980
Iodomethane	U		189	5000	500	04/06/2020 00:17	WG1455980
Isopropylbenzene	U		63.0	250	500	04/06/2020 00:17	WG1455980
p-Isopropyltoluene	U		69.0	250	500	04/06/2020 00:17	WG1455980
2-Butanone (MEK)	U		640	2500	500	04/06/2020 00:17	WG1455980
Methylene Chloride	U		535	1250	500	04/06/2020 00:17	WG1455980
4-Methyl-2-pentanone (MIBK)	U		412	2500	500	04/06/2020 00:17	WG1455980
Methyl tert-butyl ether	U		51.0	250	500	04/06/2020 00:17	WG1455980
Naphthalene	U		87.0	1250	500	04/06/2020 00:17	WG1455980
n-Propylbenzene	U		81.0	250	500	04/06/2020 00:17	WG1455980
Styrene	U		58.5	250	500	04/06/2020 00:17	WG1455980
1,1,1,2-Tetrachloroethane	U		60.0	250	500	04/06/2020 00:17	WG1455980
1,1,2,2-Tetrachloroethane	U		65.0	250	500	04/06/2020 00:17	WG1455980
1,1,2-Trichlorotrifluoroethane	U		82.0	250	500	04/06/2020 00:17	WG1455980
Tetrachloroethene	9670		99.5	250	500	04/06/2020 00:17	WG1455980
Toluene	U		206	250	500	04/06/2020 00:17	WG1455980
1,2,3-Trichlorobenzene	U		82.0	250	500	04/06/2020 00:17	WG1455980
1,2,4-Trichlorobenzene	U		178	250	500	04/06/2020 00:17	WG1455980
1,1,1-Trichloroethane	U		47.0	250	500	04/06/2020 00:17	WG1455980
1,1,2-Trichloroethane	U		93.0	250	500	04/06/2020 00:17	WG1455980
Trichloroethene	4480		76.5	250	500	04/06/2020 00:17	WG1455980
Trichlorofluoromethane	U		65.0	1250	500	04/06/2020 00:17	WG1455980
1,2,3-Trichloropropane	U		123	1250	500	04/06/2020 00:17	WG1455980

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2,4-Trimethylbenzene	U		61.5	250	500	04/06/2020 00:17	WG1455980
1,2,3-Trimethylbenzene	U		36.9	250	500	04/06/2020 00:17	WG1455980
1,3,5-Trimethylbenzene	U		62.0	250	500	04/06/2020 00:17	WG1455980
Vinyl acetate	U		322	2500	500	04/06/2020 00:17	WG1455980
Vinyl chloride	U		59.0	250	500	04/06/2020 00:17	WG1455980
Xylenes, Total	U		158	750	500	04/06/2020 00:17	WG1455980
(S) Toluene-d8	*115*			*80.0-120*		*04/06/2020 00:17*	WG1455980
(S) 4-Bromofluorobenzene	*99.2*			*77.0-126*		*04/06/2020 00:17*	WG1455980
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*04/06/2020 00:17*	WG1455980

Sample Narrative:

L1205427-03 WG1455980: Target compounds too high to run at a lower dilution.

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	488000		2710	20000	1	04/07/2020 20:58	WG1455324

Sample Narrative:
L1205427-04 WG1455324: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	174000		260	5000	5	04/03/2020 18:02	WG1455131
Nitrate	U		22.7	100	1	04/03/2020 17:48	WG1455131
Sulfate	41100		77.4	5000	1	04/03/2020 17:48	WG1455131

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	16700		102	1000	1	04/07/2020 13:17	WG1456783

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10800		15.0	100	1	04/04/2020 11:03	WG1455253
Manganese	1050		0.250	5.00	1	04/04/2020 11:03	WG1455253

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	17000		632	2000	20	04/05/2020 14:58	WG1455833
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*04/05/2020 14:58*	WG1455833

Sample Narrative:
L1205427-04 WG1455833: No discernable petroleum pattern present.

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	9400		2.87	6.78	10	04/08/2020 12:57	WG1456921
Ethane	44.8		0.296	1.29	1	04/04/2020 15:38	WG1455178
Ethene	986		0.422	1.27	1	04/04/2020 15:38	WG1455178

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1040	J J0	525	12500	500	04/06/2020 00:38	WG1455980
Acrylonitrile	U		437	2500	500	04/06/2020 00:38	WG1455980
Benzene	U		44.8	250	500	04/06/2020 00:38	WG1455980
Bromobenzene	U		66.5	250	500	04/06/2020 00:38	WG1455980
Bromodichloromethane	U		40.0	250	500	04/06/2020 00:38	WG1455980
Bromochloromethane	U		72.5	250	500	04/06/2020 00:38	WG1455980
Bromoform	U		93.0	250	500	04/06/2020 00:38	WG1455980
Bromomethane	U	J0	78.5	1250	500	04/06/2020 00:38	WG1455980
n-Butylbenzene	U		71.5	250	500	04/06/2020 00:38	WG1455980
sec-Butylbenzene	U		67.0	250	500	04/06/2020 00:38	WG1455980

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
tert-Butylbenzene	U		91.5	250	500	04/06/2020 00:38	WG1455980
Carbon disulfide	U		50.5	250	500	04/06/2020 00:38	WG1455980
Carbon tetrachloride	U		79.5	250	500	04/06/2020 00:38	WG1455980
Chlorobenzene	U		70.0	250	500	04/06/2020 00:38	WG1455980
Chlorodibromomethane	U		64.0	250	500	04/06/2020 00:38	WG1455980
Chloroethane	U	J0	70.5	1250	500	04/06/2020 00:38	WG1455980
Chloroform	U		43.0	250	500	04/06/2020 00:38	WG1455980
Chloromethane	U		76.5	625	500	04/06/2020 00:38	WG1455980
2-Chlorotoluene	U		55.5	250	500	04/06/2020 00:38	WG1455980
4-Chlorotoluene	U		48.6	250	500	04/06/2020 00:38	WG1455980
1,2-Dibromo-3-Chloropropane	U		163	1250	500	04/06/2020 00:38	WG1455980
1,2-Dibromoethane	U		96.5	250	500	04/06/2020 00:38	WG1455980
Dibromomethane	U		58.5	250	500	04/06/2020 00:38	WG1455980
1,2-Dichlorobenzene	U		50.5	250	500	04/06/2020 00:38	WG1455980
1,3-Dichlorobenzene	U		65.0	250	500	04/06/2020 00:38	WG1455980
1,4-Dichlorobenzene	U		60.5	250	500	04/06/2020 00:38	WG1455980
Dichlorodifluoromethane	U		63.5	1250	500	04/06/2020 00:38	WG1455980
1,1-Dichloroethane	U		57.0	250	500	04/06/2020 00:38	WG1455980
1,2-Dichloroethane	U		54.0	250	500	04/06/2020 00:38	WG1455980
1,1-Dichloroethene	U		94.0	250	500	04/06/2020 00:38	WG1455980
cis-1,2-Dichloroethene	30900		46.7	250	500	04/06/2020 00:38	WG1455980
trans-1,2-Dichloroethene	160	J	76.0	250	500	04/06/2020 00:38	WG1455980
1,2-Dichloropropane	U		95.0	250	500	04/06/2020 00:38	WG1455980
1,1-Dichloropropene	U		64.0	250	500	04/06/2020 00:38	WG1455980
1,3-Dichloropropane	U		73.5	500	500	04/06/2020 00:38	WG1455980
cis-1,3-Dichloropropene	U		48.8	250	500	04/06/2020 00:38	WG1455980
trans-1,3-Dichloropropene	U		111	250	500	04/06/2020 00:38	WG1455980
trans-1,4-Dichloro-2-butene	U	J0	129	2500	500	04/06/2020 00:38	WG1455980
2,2-Dichloropropane	U		46.5	250	500	04/06/2020 00:38	WG1455980
Di-isopropyl ether	U		46.2	250	500	04/06/2020 00:38	WG1455980
Ethylbenzene	U		79.0	250	500	04/06/2020 00:38	WG1455980
Hexachloro-1,3-butadiene	U		78.5	500	500	04/06/2020 00:38	WG1455980
2-Hexanone	U		379	2500	500	04/06/2020 00:38	WG1455980
n-Hexane	U		153	2500	500	04/06/2020 00:38	WG1455980
Iodomethane	U		189	5000	500	04/06/2020 00:38	WG1455980
Isopropylbenzene	U		63.0	250	500	04/06/2020 00:38	WG1455980
p-Isopropyltoluene	U		69.0	250	500	04/06/2020 00:38	WG1455980
2-Butanone (MEK)	U		640	2500	500	04/06/2020 00:38	WG1455980
Methylene Chloride	U		535	1250	500	04/06/2020 00:38	WG1455980
4-Methyl-2-pentanone (MIBK)	U		412	2500	500	04/06/2020 00:38	WG1455980
Methyl tert-butyl ether	U		51.0	250	500	04/06/2020 00:38	WG1455980
Naphthalene	U		87.0	1250	500	04/06/2020 00:38	WG1455980
n-Propylbenzene	U		81.0	250	500	04/06/2020 00:38	WG1455980
Styrene	U		58.5	250	500	04/06/2020 00:38	WG1455980
1,1,1,2-Tetrachloroethane	U		60.0	250	500	04/06/2020 00:38	WG1455980
1,1,2,2-Tetrachloroethane	U		65.0	250	500	04/06/2020 00:38	WG1455980
1,1,2-Trichlorotrifluoroethane	U		82.0	250	500	04/06/2020 00:38	WG1455980
Tetrachloroethene	2470		99.5	250	500	04/06/2020 00:38	WG1455980
Toluene	U		206	250	500	04/06/2020 00:38	WG1455980
1,2,3-Trichlorobenzene	U		82.0	250	500	04/06/2020 00:38	WG1455980
1,2,4-Trichlorobenzene	U		178	250	500	04/06/2020 00:38	WG1455980
1,1,1-Trichloroethane	U		47.0	250	500	04/06/2020 00:38	WG1455980
1,1,2-Trichloroethane	U		93.0	250	500	04/06/2020 00:38	WG1455980
Trichloroethene	3100		76.5	250	500	04/06/2020 00:38	WG1455980
Trichlorofluoromethane	U		65.0	1250	500	04/06/2020 00:38	WG1455980
1,2,3-Trichloropropane	U		123	1250	500	04/06/2020 00:38	WG1455980

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2,4-Trimethylbenzene	U		61.5	250	500	04/06/2020 00:38	WG1455980
1,2,3-Trimethylbenzene	U		36.9	250	500	04/06/2020 00:38	WG1455980
1,3,5-Trimethylbenzene	U		62.0	250	500	04/06/2020 00:38	WG1455980
Vinyl acetate	U		322	2500	500	04/06/2020 00:38	WG1455980
Vinyl chloride	5940		59.0	250	500	04/06/2020 00:38	WG1455980
Xylenes, Total	U		158	750	500	04/06/2020 00:38	WG1455980
(S) Toluene-d8	*114*			*80.0-120*		*04/06/2020 00:38*	WG1455980
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/06/2020 00:38*	WG1455980
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/06/2020 00:38*	WG1455980

Sample Narrative:

L1205427-04 WG1455980: Target compounds too high to run at a lower dilution.

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	271000		2710	20000	1	04/07/2020 21:07	WG1455324

Sample Narrative:

L1205427-05 WG1455324: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	31200		51.9	1000	1	04/03/2020 18:15	WG1455131
Nitrate	U		22.7	100	1	04/03/2020 18:15	WG1455131
Sulfate	5270		77.4	5000	1	04/03/2020 18:15	WG1455131

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5330		102	1000	1	04/07/2020 13:31	WG1456783

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	13100		15.0	100	1	04/04/2020 11:06	WG1455253
Manganese	195		0.250	5.00	1	04/04/2020 11:06	WG1455253

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	35.3	B J	31.6	100	1	04/05/2020 15:20	WG1455833
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*04/05/2020 15:20*	WG1455833

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	896		0.287	0.678	1	04/04/2020 15:53	WG1455178
Ethane	5.34		0.296	1.29	1	04/04/2020 15:53	WG1455178
Ethene	57.0		0.422	1.27	1	04/04/2020 15:53	WG1455178

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/05/2020 12:49	WG1455831
Acrylonitrile	U		0.873	5.00	1	04/05/2020 12:49	WG1455831
Benzene	U		0.0896	0.500	1	04/05/2020 12:49	WG1455831
Bromobenzene	U		0.133	0.500	1	04/05/2020 12:49	WG1455831
Bromodichloromethane	U		0.0800	0.500	1	04/05/2020 12:49	WG1455831
Bromochloromethane	U		0.145	0.500	1	04/05/2020 12:49	WG1455831
Bromoform	U		0.186	0.500	1	04/05/2020 12:49	WG1455831
Bromomethane	U		0.157	2.50	1	04/05/2020 12:49	WG1455831
n-Butylbenzene	U		0.143	0.500	1	04/05/2020 12:49	WG1455831
sec-Butylbenzene	U		0.134	0.500	1	04/05/2020 12:49	WG1455831
tert-Butylbenzene	U		0.183	0.500	1	04/05/2020 12:49	WG1455831
Carbon disulfide	0.494	J	0.101	0.500	1	04/05/2020 12:49	WG1455831
Carbon tetrachloride	U	J4	0.159	0.500	1	04/05/2020 12:49	WG1455831

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/05/2020 12:49	WG1455831
Chlorodibromomethane	U		0.128	0.500	1	04/05/2020 12:49	WG1455831
Chloroethane	U		0.141	2.50	1	04/05/2020 12:49	WG1455831
Chloroform	U		0.0860	0.500	1	04/05/2020 12:49	WG1455831
Chloromethane	U		0.153	1.25	1	04/05/2020 12:49	WG1455831
2-Chlorotoluene	U		0.111	0.500	1	04/05/2020 12:49	WG1455831
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2020 12:49	WG1455831
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2020 12:49	WG1455831
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2020 12:49	WG1455831
Dibromomethane	U		0.117	0.500	1	04/05/2020 12:49	WG1455831
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2020 12:49	WG1455831
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2020 12:49	WG1455831
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2020 12:49	WG1455831
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2020 12:49	WG1455831
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2020 12:49	WG1455831
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2020 12:49	WG1455831
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2020 12:49	WG1455831
cis-1,2-Dichloroethene	11.4		0.0933	0.500	1	04/05/2020 12:49	WG1455831
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/05/2020 12:49	WG1455831
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2020 12:49	WG1455831
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2020 12:49	WG1455831
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2020 12:49	WG1455831
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2020 12:49	WG1455831
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2020 12:49	WG1455831
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2020 12:49	WG1455831
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2020 12:49	WG1455831
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2020 12:49	WG1455831
Ethylbenzene	U		0.158	0.500	1	04/05/2020 12:49	WG1455831
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2020 12:49	WG1455831
2-Hexanone	U		0.757	5.00	1	04/05/2020 12:49	WG1455831
n-Hexane	U		0.305	5.00	1	04/05/2020 12:49	WG1455831
Iodomethane	U		0.377	10.0	1	04/05/2020 12:49	WG1455831
Isopropylbenzene	U		0.126	0.500	1	04/05/2020 12:49	WG1455831
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2020 12:49	WG1455831
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2020 12:49	WG1455831
Methylene Chloride	U		1.07	2.50	1	04/05/2020 12:49	WG1455831
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2020 12:49	WG1455831
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2020 12:49	WG1455831
Naphthalene	U		0.174	2.50	1	04/05/2020 12:49	WG1455831
n-Propylbenzene	U		0.162	0.500	1	04/05/2020 12:49	WG1455831
Styrene	U		0.117	0.500	1	04/05/2020 12:49	WG1455831
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2020 12:49	WG1455831
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2020 12:49	WG1455831
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2020 12:49	WG1455831
Tetrachloroethene	0.255	J	0.199	0.500	1	04/05/2020 12:49	WG1455831
Toluene	U		0.412	0.500	1	04/05/2020 12:49	WG1455831
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2020 12:49	WG1455831
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2020 12:49	WG1455831
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2020 12:49	WG1455831
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2020 12:49	WG1455831
Trichloroethene	0.257	J J4	0.153	0.500	1	04/05/2020 12:49	WG1455831
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2020 12:49	WG1455831
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2020 12:49	WG1455831
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2020 12:49	WG1455831
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2020 12:49	WG1455831
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2020 12:49	WG1455831

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/08/2020 17:39	WG1457615
Vinyl chloride	26.2		0.118	0.500	1	04/05/2020 12:49	WG1455831
Xylenes, Total	U		0.316	1.50	1	04/05/2020 12:49	WG1455831
(S) Toluene-d8	*104*			*80.0-120*		*04/05/2020 12:49*	WG1455831
(S) Toluene-d8	*93.9*			*80.0-120*		*04/08/2020 17:39*	WG1457615
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*04/05/2020 12:49*	WG1455831
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*04/08/2020 17:39*	WG1457615
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*04/05/2020 12:49*	WG1455831
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*04/08/2020 17:39*	WG1457615

Method Blank (MB)

(MB) R3515729-1 04/05/20 22:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	4070	J	2710	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1205071-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1205071-01 04/05/20 22:10 • (DUP) R3515729-2 04/05/20 22:19

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	84900	84300	1	0.702		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

L1205395-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1205395-01 04/05/20 23:55 • (DUP) R3515729-4 04/06/20 00:02

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	191000	190000	1	0.616		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3515729-3 04/05/20 23:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	106000	106	85.0-115	

Sample Narrative:
LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3516547-1 04/07/20 20:22

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	5660		2710	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1205427-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1205427-02 04/07/20 23:04 • (DUP) R3516547-4 04/07/20 23:27

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	1890000	2000000	5	5.84		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L1205569-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1205569-07 04/08/20 00:42 • (DUP) R3516547-5 04/08/20 00:52

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	229000	229000	1	0.0813		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3516547-3 04/07/20 21:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	108000	108	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3515484-1 04/03/20 13:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	175	J	51.9	1000
Nitrate	U		22.7	100
Sulfate	273	J	77.4	5000

L1205427-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1205427-03 04/03/20 17:22 • (DUP) R3515484-3 04/03/20 17:35

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	22600	22600	1	0.257		15
Nitrate	31.5	29.6	1	6.22	J	15
Sulfate	41800	41900	1	0.194		15

L1205456-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1205456-03 04/03/20 21:18 • (DUP) R3515484-6 04/03/20 21:31

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	5520	5630	1	2.05		15
Nitrate	30.0	29.0	1	3.39	J	15
Sulfate	4020	4120	1	2.40	J	15

Laboratory Control Sample (LCS)

(LCS) R3515484-2 04/03/20 14:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39400	98.6	80.0-120	
Nitrate	8000	8080	101	80.0-120	
Sulfate	40000	40200	101	80.0-120	

L1205427-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205427-05 04/03/20 18:15 • (MS) R3515484-4 04/03/20 18:28 • (MSD) R3515484-5 04/03/20 18:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	31200	83100	80400	104	98.4	1	80.0-120			3.28	15
Nitrate	5000	U	5110	4920	102	98.5	1	80.0-120			3.80	15
Sulfate	50000	5270	59600	57400	109	104	1	80.0-120			3.71	15

L1205456-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1205456-04 04/03/20 21:44 • (MS) R3515484-7 04/03/20 22:23

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	23900	75900	104	1	80.0-120	
Nitrate	5000	U	5150	103	1	80.0-120	
Sulfate	50000	22300	76200	108	1	80.0-120	

Method Blank (MB)

(MB) R3516688-1 04/07/20 11:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	517	J	102	1000

L1205268-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1205268-08 04/07/20 19:28 • (DUP) R3516688-6 04/07/20 19:46

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	17100	17000	1	0.410		20

L1205268-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1205268-02 04/08/20 10:43 • (DUP) R3516688-9 04/08/20 11:05

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	179000	185000	5	2.91		20

Laboratory Control Sample (LCS)

(LCS) R3516688-2 04/07/20 12:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	70700	94.3	85.0-115	

L1205268-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205268-06 04/07/20 18:03 • (MS) R3516688-4 04/07/20 18:27 • (MSD) R3516688-5 04/07/20 18:49

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	ND	48200	47400	95.0	93.5	1	80.0-120			1.61	20

L1205359-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205359-03 04/07/20 22:32 • (MS) R3516688-7 04/07/20 22:56 • (MSD) R3516688-8 04/07/20 23:17

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	914	48100	47200	94.3	92.7	1	80.0-120			1.76	20



Method Blank (MB)

(MB) R3516617-1 04/07/20 11:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	308	J	102	1000

L1205430-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1205430-04 04/07/20 14:24 • (DUP) R3516617-3 04/07/20 14:39

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	20000	19800	1	1.11		20

L1205569-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1205569-01 04/07/20 17:49 • (DUP) R3516617-6 04/07/20 18:02

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	ND	787	1	8.15	J	20

Laboratory Control Sample (LCS)

(LCS) R3516617-2 04/07/20 11:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	72700	96.9	85.0-115	

L1205456-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205456-01 04/07/20 16:25 • (MS) R3516617-4 04/07/20 16:41 • (MSD) R3516617-5 04/07/20 16:56

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	6870	57200	57500	101	101	1	80.0-120			0.628	20

L1205569-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205569-06 04/07/20 20:07 • (MS) R3516617-7 04/07/20 20:24 • (MSD) R3516617-8 04/07/20 20:39

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	ND	49100	50800	96.5	100	1	80.0-120			3.54	20

Method Blank (MB)

(MB) R3515517-1 04/04/20 10:35

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	U		15.0	100
Manganese	0.300	J	0.250	5.00

Laboratory Control Sample (LCS)

(LCS) R3515517-2 04/04/20 10:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	5000	5080	102	80.0-120	
Manganese	50.0	49.9	99.9	80.0-120	

L1205384-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205384-01 04/04/20 10:42 • (MS) R3515517-4 04/04/20 10:49 • (MSD) R3515517-5 04/04/20 10:52

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	5000	U	4930	5330	98.6	107	1	75.0-125			7.80	20
Manganese	50.0	0.283	48.8	52.5	97.0	105	1	75.0-125			7.39	20

Method Blank (MB)

(MB) R3516105-1 04/06/20 19:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		15.0	100
Manganese	U		0.250	5.00

Laboratory Control Sample (LCS)

(LCS) R3516105-2 04/06/20 19:18

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	5000	5220	104	80.0-120	
Manganese	50.0	53.3	107	80.0-120	

L1205704-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205704-06 04/06/20 19:21 • (MS) R3516105-4 04/06/20 19:29 • (MSD) R3516105-5 04/06/20 19:32

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	5000	107	5150	5210	101	102	1	75.0-125			1.18	20
Manganese	50.0	ND	52.9	54.5	100	103	1	75.0-125			2.85	20

Method Blank (MB)

(MB) R3515856-3 04/05/20 11:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	37.6	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3515856-2 04/05/20 10:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	4810	87.5	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*78.0-120*	

Method Blank (MB)

(MB) R3515536-2 04/04/20 14:38

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

L1205356-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1205356-01 04/04/20 14:42 • (DUP) R3515536-3 04/04/20 15:51

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

L1205356-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1205356-01 04/04/20 14:42 • (DUP) R3515536-4 04/04/20 16:30

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	ND	316	1	200		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3515536-1 04/04/20 14:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methane	67.8	69.0	102	85.0-115	
Ethane	129	122	94.6	85.0-115	
Ethene	127	116	91.3	85.0-115	

Method Blank (MB)

(MB) R3516707-2 04/08/20 12:47

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

L1205789-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1205789-05 04/08/20 13:10 • (DUP) R3516707-3 04/08/20 13:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	9040	8870	10	1.90		20

Laboratory Control Sample (LCS)

(LCS) R3516707-1 04/08/20 12:43

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Methane	67.8	66.5	98.1	85.0-115	

Method Blank (MB)

(MB) R3515791-2 04/05/20 14:22

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3515791-2 04/05/20 14:22

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	0.327	J	0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	0.402	J	0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	0.281	J	0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3515791-1 04/05/20 13:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	23.8	95.2	19.0-160	
Acrylonitrile	25.0	25.5	102	55.0-149	
Benzene	5.00	4.49	89.8	70.0-123	
Bromobenzene	5.00	4.72	94.4	73.0-121	
Bromodichloromethane	5.00	4.98	99.6	75.0-120	
Bromochloromethane	5.00	4.60	92.0	76.0-122	
Bromoform	5.00	3.80	76.0	68.0-132	
Bromomethane	5.00	2.85	57.0	10.0-160	
n-Butylbenzene	5.00	4.39	87.8	73.0-125	
sec-Butylbenzene	5.00	4.46	89.2	75.0-125	
tert-Butylbenzene	5.00	4.69	93.8	76.0-124	
Carbon disulfide	5.00	4.54	90.8	61.0-128	
Carbon tetrachloride	5.00	4.88	97.6	68.0-126	
Chlorobenzene	5.00	4.40	88.0	80.0-121	
Chlorodibromomethane	5.00	4.29	85.8	77.0-125	
Chloroethane	5.00	4.46	89.2	47.0-150	
Chloroform	5.00	4.71	94.2	73.0-120	
Chloromethane	5.00	3.76	75.2	41.0-142	
2-Chlorotoluene	5.00	4.74	94.8	76.0-123	
4-Chlorotoluene	5.00	4.63	92.6	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	3.49	69.8	58.0-134	
1,2-Dibromoethane	5.00	4.27	85.4	80.0-122	
Dibromomethane	5.00	4.81	96.2	80.0-120	
1,2-Dichlorobenzene	5.00	4.38	87.6	79.0-121	
1,3-Dichlorobenzene	5.00	4.58	91.6	79.0-120	
1,4-Dichlorobenzene	5.00	4.78	95.6	79.0-120	
Dichlorodifluoromethane	5.00	6.44	129	51.0-149	
1,1-Dichloroethane	5.00	5.23	105	70.0-126	
1,2-Dichloroethane	5.00	5.21	104	70.0-128	
1,1-Dichloroethene	5.00	4.81	96.2	71.0-124	
cis-1,2-Dichloroethene	5.00	4.65	93.0	73.0-120	
trans-1,2-Dichloroethene	5.00	4.63	92.6	73.0-120	
1,2-Dichloropropane	5.00	5.07	101	77.0-125	
1,1-Dichloropropene	5.00	4.83	96.6	74.0-126	
1,3-Dichloropropane	5.00	4.52	90.4	80.0-120	
cis-1,3-Dichloropropene	5.00	4.40	88.0	80.0-123	
trans-1,3-Dichloropropene	5.00	4.30	86.0	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	2.77	55.4	33.0-144	
2,2-Dichloropropane	5.00	4.44	88.8	58.0-130	
Di-isopropyl ether	5.00	4.78	95.6	58.0-138	

Laboratory Control Sample (LCS)

(LCS) R3515791-1 04/05/20 13:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	5.00	4.41	88.2	79.0-123	
Hexachloro-1,3-butadiene	5.00	5.19	104	54.0-138	
2-Hexanone	25.0	23.0	92.0	67.0-149	
n-Hexane	5.00	4.81	96.2	57.0-133	
Iodomethane	25.0	14.0	56.0	33.0-147	
Isopropylbenzene	5.00	4.33	86.6	76.0-127	
p-Isopropyltoluene	5.00	4.66	93.2	76.0-125	
2-Butanone (MEK)	25.0	23.5	94.0	44.0-160	
Methylene Chloride	5.00	4.75	95.0	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	22.5	90.0	68.0-142	
Methyl tert-butyl ether	5.00	4.96	99.2	68.0-125	
Naphthalene	5.00	3.34	66.8	54.0-135	
n-Propylbenzene	5.00	4.45	89.0	77.0-124	
Styrene	5.00	4.07	81.4	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.13	82.6	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.64	92.8	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.91	98.2	69.0-132	
Tetrachloroethene	5.00	4.68	93.6	72.0-132	
Toluene	5.00	4.37	87.4	79.0-120	
1,2,3-Trichlorobenzene	5.00	3.76	75.2	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.14	82.8	57.0-137	
1,1,1-Trichloroethane	5.00	5.21	104	73.0-124	
1,1,2-Trichloroethane	5.00	4.32	86.4	80.0-120	
Trichloroethene	5.00	4.55	91.0	78.0-124	
Trichlorofluoromethane	5.00	5.15	103	59.0-147	
1,2,3-Trichloropropane	5.00	4.93	98.6	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.59	91.8	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.68	93.6	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.55	91.0	76.0-122	
Vinyl acetate	25.0	23.4	93.6	11.0-160	
Vinyl chloride	5.00	4.98	99.6	67.0-131	
Xylenes, Total	15.0	13.0	86.7	79.0-123	
(S) Toluene-d8			*99.2*	*80.0-120*	
(S) 4-Bromofluorobenzene			*102*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*107*	*70.0-130*	

Method Blank (MB)

(MB) R3515636-2 04/05/20 08:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3515636-2 04/05/20 08:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3515636-1 04/05/20 07:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	30.3	121	19.0-160	
Acrylonitrile	25.0	27.4	110	55.0-149	
Benzene	5.00	5.66	113	70.0-123	
Bromobenzene	5.00	5.32	106	73.0-121	
Bromochloromethane	5.00	5.76	115	76.0-122	
Bromodichloromethane	5.00	5.50	110	75.0-120	
Bromoform	5.00	5.44	109	68.0-132	
Bromomethane	5.00	4.66	93.2	10.0-160	
n-Butylbenzene	5.00	5.80	116	73.0-125	
sec-Butylbenzene	5.00	5.79	116	75.0-125	
tert-Butylbenzene	5.00	6.13	123	76.0-124	
Carbon disulfide	5.00	4.43	88.6	61.0-128	
Carbon tetrachloride	5.00	6.44	129	68.0-126	J4
Chlorobenzene	5.00	6.03	121	80.0-121	
Chlorodibromomethane	5.00	5.68	114	77.0-125	
Chloroethane	5.00	4.62	92.4	47.0-150	
Chloroform	5.00	5.57	111	73.0-120	
Chloromethane	5.00	4.74	94.8	41.0-142	
2-Chlorotoluene	5.00	5.74	115	76.0-123	
4-Chlorotoluene	5.00	5.59	112	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.73	94.6	58.0-134	
1,2-Dibromoethane	5.00	5.92	118	80.0-122	
Dibromomethane	5.00	5.71	114	80.0-120	
1,2-Dichlorobenzene	5.00	5.78	116	79.0-121	
1,3-Dichlorobenzene	5.00	5.72	114	79.0-120	
1,4-Dichlorobenzene	5.00	5.82	116	79.0-120	
trans-1,4-Dichloro-2-butene	5.00	4.38	87.6	33.0-144	
Dichlorodifluoromethane	5.00	6.05	121	51.0-149	
1,1-Dichloroethane	5.00	5.58	112	70.0-126	
1,2-Dichloroethane	5.00	5.54	111	70.0-128	
1,1-Dichloroethene	5.00	4.78	95.6	71.0-124	
cis-1,2-Dichloroethene	5.00	5.50	110	73.0-120	
trans-1,2-Dichloroethene	5.00	5.48	110	73.0-120	
1,2-Dichloropropane	5.00	5.48	110	77.0-125	
1,1-Dichloropropene	5.00	6.11	122	74.0-126	
1,3-Dichloropropane	5.00	5.65	113	80.0-120	
cis-1,3-Dichloropropene	5.00	5.70	114	80.0-123	
trans-1,3-Dichloropropene	5.00	5.47	109	78.0-124	
2,2-Dichloropropane	5.00	5.84	117	58.0-130	
Di-isopropyl ether	5.00	5.13	103	58.0-138	

Laboratory Control Sample (LCS)

(LCS) R3515636-1 04/05/20 07:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	5.00	5.83	117	79.0-123	
2-Hexanone	25.0	27.1	108	67.0-149	
n-Hexane	5.00	5.53	111	57.0-133	
Hexachloro-1,3-butadiene	5.00	5.75	115	54.0-138	
Iodomethane	25.0	24.9	99.6	33.0-147	
Isopropylbenzene	5.00	5.80	116	76.0-127	
p-Isopropyltoluene	5.00	5.83	117	76.0-125	
2-Butanone (MEK)	25.0	27.7	111	44.0-160	
Methylene Chloride	5.00	5.35	107	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	27.1	108	68.0-142	
Methyl tert-butyl ether	5.00	5.50	110	68.0-125	
Naphthalene	5.00	5.82	116	54.0-135	
n-Propylbenzene	5.00	5.68	114	77.0-124	
Styrene	5.00	5.78	116	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.95	119	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.15	103	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.55	91.0	69.0-132	
Tetrachloroethene	5.00	6.17	123	72.0-132	
Toluene	5.00	5.87	117	79.0-120	
1,2,3-Trichlorobenzene	5.00	6.66	133	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.91	98.2	57.0-137	
1,1,1-Trichloroethane	5.00	6.16	123	73.0-124	
1,1,2-Trichloroethane	5.00	5.63	113	80.0-120	
Trichloroethene	5.00	6.43	129	78.0-124	J4
Trichlorofluoromethane	5.00	4.54	90.8	59.0-147	
1,2,3-Trichloropropane	5.00	5.88	118	73.0-130	
1,2,4-Trimethylbenzene	5.00	5.50	110	76.0-121	
1,2,3-Trimethylbenzene	5.00	5.35	107	77.0-120	
1,3,5-Trimethylbenzene	5.00	5.61	112	76.0-122	
Vinyl chloride	5.00	4.96	99.2	67.0-131	
Xylenes, Total	15.0	17.9	119	79.0-123	
(S) Toluene-d8			*105*	*80.0-120*	
(S) 4-Bromofluorobenzene			*106*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*109*	*70.0-130*	

Method Blank (MB)

(MB) R3516036-2 04/05/20 20:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3516036-2 04/05/20 20:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*107*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3516036-1 04/05/20 19:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	28.2	113	19.0-160	J0
Acrylonitrile	25.0	22.5	90.0	55.0-149	
Benzene	5.00	4.57	91.4	70.0-123	
Bromobenzene	5.00	5.75	115	73.0-121	
Bromodichloromethane	5.00	4.60	92.0	75.0-120	
Bromochloromethane	5.00	4.88	97.6	76.0-122	
Bromoform	5.00	4.18	83.6	68.0-132	
Bromomethane	5.00	3.52	70.4	10.0-160	J0
n-Butylbenzene	5.00	5.69	114	73.0-125	
sec-Butylbenzene	5.00	5.34	107	75.0-125	
tert-Butylbenzene	5.00	5.63	113	76.0-124	
Carbon disulfide	5.00	4.19	83.8	61.0-128	
Carbon tetrachloride	5.00	4.50	90.0	68.0-126	
Chlorobenzene	5.00	4.47	89.4	80.0-121	
Chlorodibromomethane	5.00	4.65	93.0	77.0-125	
Chloroethane	5.00	3.33	66.6	47.0-150	J0
Chloroform	5.00	4.60	92.0	73.0-120	
Chloromethane	5.00	4.30	86.0	41.0-142	
2-Chlorotoluene	5.00	5.82	116	76.0-123	
4-Chlorotoluene	5.00	5.85	117	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.57	91.4	58.0-134	
1,2-Dibromoethane	5.00	4.68	93.6	80.0-122	
Dibromomethane	5.00	4.72	94.4	80.0-120	
1,2-Dichlorobenzene	5.00	4.98	99.6	79.0-121	
1,3-Dichlorobenzene	5.00	4.53	90.6	79.0-120	
1,4-Dichlorobenzene	5.00	4.36	87.2	79.0-120	
Dichlorodifluoromethane	5.00	5.66	113	51.0-149	
1,1-Dichloroethane	5.00	4.79	95.8	70.0-126	
1,2-Dichloroethane	5.00	4.49	89.8	70.0-128	
1,1-Dichloroethene	5.00	4.44	88.8	71.0-124	
cis-1,2-Dichloroethene	5.00	4.74	94.8	73.0-120	
trans-1,2-Dichloroethene	5.00	4.47	89.4	73.0-120	
1,2-Dichloropropane	5.00	4.48	89.6	77.0-125	
1,1-Dichloropropene	5.00	4.62	92.4	74.0-126	
1,3-Dichloropropane	5.00	4.80	96.0	80.0-120	
cis-1,3-Dichloropropene	5.00	4.48	89.6	80.0-123	
trans-1,3-Dichloropropene	5.00	4.36	87.2	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	3.45	69.0	33.0-144	
2,2-Dichloropropane	5.00	5.22	104	58.0-130	
Di-isopropyl ether	5.00	4.41	88.2	58.0-138	

Laboratory Control Sample (LCS)

(LCS) R3516036-1 04/05/20 19:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	5.00	4.40	88.0	79.0-123	
Hexachloro-1,3-butadiene	5.00	5.50	110	54.0-138	
2-Hexanone	25.0	20.9	83.6	67.0-149	
n-Hexane	5.00	4.18	83.6	57.0-133	
Iodomethane	25.0	19.7	78.8	33.0-147	
Isopropylbenzene	5.00	4.78	95.6	76.0-127	
p-Isopropyltoluene	5.00	4.78	95.6	76.0-125	
2-Butanone (MEK)	25.0	26.2	105	44.0-160	
Methylene Chloride	5.00	4.82	96.4	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	20.7	82.8	68.0-142	
Methyl tert-butyl ether	5.00	4.38	87.6	68.0-125	
Naphthalene	5.00	5.21	104	54.0-135	
n-Propylbenzene	5.00	5.95	119	77.0-124	
Styrene	5.00	4.26	85.2	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.88	97.6	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.85	117	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.35	87.0	69.0-132	
Tetrachloroethene	5.00	4.43	88.6	72.0-132	
Toluene	5.00	4.74	94.8	79.0-120	
1,2,3-Trichlorobenzene	5.00	5.17	103	50.0-138	
1,2,4-Trichlorobenzene	5.00	5.32	106	57.0-137	
1,1,1-Trichloroethane	5.00	4.77	95.4	73.0-124	
1,1,2-Trichloroethane	5.00	4.75	95.0	80.0-120	
Trichloroethene	5.00	4.21	84.2	78.0-124	
Trichlorofluoromethane	5.00	5.78	116	59.0-147	
1,2,3-Trichloropropane	5.00	6.18	124	73.0-130	
1,2,4-Trimethylbenzene	5.00	5.44	109	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.85	97.0	77.0-120	
1,3,5-Trimethylbenzene	5.00	5.96	119	76.0-122	
Vinyl acetate	25.0	22.3	89.2	11.0-160	
Vinyl chloride	5.00	4.05	81.0	67.0-131	
Xylenes, Total	15.0	13.5	90.0	79.0-123	
(S) Toluene-d8			*109*	*80.0-120*	
(S) 4-Bromofluorobenzene			*107*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*104*	*70.0-130*	

L1205549-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205549-01 04/06/20 03:00 • (MS) R3516036-3 04/06/20 04:00 • (MSD) R3516036-4 04/06/20 04:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	U	231	233	924	932	1	10.0-160	J5	J5	0.862	35
Acrylonitrile	25.0	U	53.4	53.6	214	214	1	21.0-160	J5	J5	0.374	32
Benzene	5.00	2.51	6.36	6.25	77.0	74.8	1	17.0-158			1.74	27
Bromobenzene	5.00	U	35.3	34.5	706	690	1	30.0-149	J5	J5	2.29	28
Bromodichloromethane	5.00	U	4.13	4.02	82.6	80.4	1	31.0-150			2.70	27
Bromochloromethane	5.00	U	4.45	4.28	89.0	85.6	1	38.0-142			3.89	26
Bromoform	5.00	U	4.64	4.56	92.8	91.2	1	29.0-150			1.74	29
Bromomethane	5.00	U	2.79	2.67	55.8	53.4	1	10.0-160			4.40	38
n-Butylbenzene	5.00	32.0	35.3	37.3	66.0	106	1	31.0-150			5.51	30
sec-Butylbenzene	5.00	26.4	30.6	31.5	84.0	102	1	33.0-155			2.90	29
tert-Butylbenzene	5.00	0.573	7.11	7.24	131	133	1	34.0-153			1.81	28
Carbon disulfide	5.00	0.189	3.50	3.40	66.2	64.2	1	10.0-156			2.90	28
Carbon tetrachloride	5.00	U	4.56	4.23	91.2	84.6	1	23.0-159			7.51	28
Chlorobenzene	5.00	U	5.02	4.89	100	97.8	1	33.0-152			2.62	27
Chlorodibromomethane	5.00	U	4.97	4.96	99.4	99.2	1	37.0-149			0.201	27
Chloroethane	5.00	U	2.71	2.68	54.2	53.6	1	10.0-160			1.11	30
Chloroform	5.00	U	7.06	7.01	141	140	1	29.0-154			0.711	28
Chloromethane	5.00	U	4.47	4.27	89.4	85.4	1	10.0-160			4.58	29
2-Chlorotoluene	5.00	U	7.30	7.24	146	145	1	32.0-153			0.825	28
4-Chlorotoluene	5.00	U	6.81	6.67	136	133	1	32.0-150			2.08	28
1,2-Dibromo-3-Chloropropane	5.00	U	4.80	5.02	96.0	100	1	22.0-151			4.48	34
1,2-Dibromoethane	5.00	U	5.27	5.11	105	102	1	34.0-147			3.08	27
Dibromomethane	5.00	U	4.84	4.76	96.8	95.2	1	30.0-151			1.67	27
1,2-Dichlorobenzene	5.00	U	5.34	5.52	107	110	1	34.0-149			3.31	28
1,3-Dichlorobenzene	5.00	U	5.32	5.34	106	107	1	36.0-146			0.375	27
1,4-Dichlorobenzene	5.00	U	5.16	5.36	103	107	1	35.0-142			3.80	27
Dichlorodifluoromethane	5.00	U	6.67	6.11	133	122	1	10.0-160			8.76	29
1,1-Dichloroethane	5.00	U	4.18	4.09	83.6	81.8	1	25.0-158			2.18	27
1,2-Dichloroethane	5.00	U	3.75	3.50	75.0	70.0	1	29.0-151			6.90	27
1,1-Dichloroethene	5.00	U	4.40	4.05	88.0	81.0	1	11.0-160			8.28	29
cis-1,2-Dichloroethene	5.00	U	5.50	4.80	110	96.0	1	10.0-160			13.6	27
trans-1,2-Dichloroethene	5.00	U	4.01	3.93	80.2	78.6	1	17.0-153			2.02	27
1,2-Dichloropropane	5.00	U	4.93	4.81	98.6	96.2	1	30.0-156			2.46	27
1,1-Dichloropropene	5.00	U	4.48	4.29	89.6	85.8	1	25.0-158			4.33	27
1,3-Dichloropropane	5.00	U	4.90	4.81	98.0	96.2	1	38.0-147			1.85	27
cis-1,3-Dichloropropene	5.00	U	3.79	3.75	75.8	75.0	1	34.0-149			1.06	28
trans-1,3-Dichloropropene	5.00	U	4.32	4.30	86.4	86.0	1	32.0-149			0.464	28
trans-1,4-Dichloro-2-butene	5.00	U	3.77	3.21	75.4	64.2	1	10.0-157			16.0	37
2,2-Dichloropropane	5.00	U	4.12	3.87	82.4	77.4	1	24.0-152			6.26	29
Di-isopropyl ether	5.00	U	3.78	3.67	75.6	73.4	1	21.0-160			2.95	28

L1205549-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205549-01 04/06/20 03:00 • (MS) R3516036-3 04/06/20 04:00 • (MSD) R3516036-4 04/06/20 04:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	44.5	52.4	48.2	158	74.0	1	30.0-155	V		8.35	27
Hexachloro-1,3-butadiene	5.00	U	5.13	5.68	103	114	1	20.0-154			10.2	34
2-Hexanone	25.0	U	21.8	22.4	87.2	89.6	1	21.0-160			2.71	29
n-Hexane	5.00	112	122	123	200	220	1	10.0-153	V	V	0.816	28
Iodomethane	25.0	U	19.1	18.4	76.4	73.6	1	10.0-160			3.73	40
Isopropylbenzene	5.00	74.6	83.5	80.5	178	118	1	28.0-157	V		3.66	27
p-Isopropyltoluene	5.00	U	9.08	9.49	182	190	1	30.0-154	J5	J5	4.42	29
2-Butanone (MEK)	25.0	U	55.1	56.7	220	227	1	10.0-160	J5	J5	2.86	32
Methylene Chloride	5.00	U	4.40	4.31	88.0	86.2	1	23.0-144			2.07	28
4-Methyl-2-pentanone (MIBK)	25.0	U	22.0	22.1	88.0	88.4	1	29.0-160			0.454	29
Methyl tert-butyl ether	5.00	U	3.85	3.75	77.0	75.0	1	28.0-150			2.63	29
Naphthalene	5.00	9.32	58.5	20.3	984	220	1	12.0-156	J5	J3 J5	97.0	35
n-Propylbenzene	5.00	326	296	288	0.000	0.000	1	31.0-154	E V	E V	2.74	28
Styrene	5.00	U	4.93	4.87	98.6	97.4	1	33.0-155			1.22	28
1,1,1,2-Tetrachloroethane	5.00	U	5.40	5.22	108	104	1	36.0-151			3.39	29
1,1,2,2-Tetrachloroethane	5.00	U	6.69	6.72	134	134	1	33.0-150			0.447	28
1,1,2-Trichlorotrifluoroethane	5.00	U	4.64	4.56	92.8	91.2	1	23.0-160			1.74	30
Tetrachloroethene	5.00	U	5.24	5.12	105	102	1	10.0-160			2.32	27
Toluene	5.00	6.38	11.0	10.7	92.4	86.4	1	26.0-154			2.76	28
1,2,3-Trichlorobenzene	5.00	U	4.87	5.38	97.4	108	1	17.0-150			9.95	36
1,2,4-Trichlorobenzene	5.00	U	5.25	5.67	105	113	1	24.0-150			7.69	33
1,1,1-Trichloroethane	5.00	U	4.50	4.37	90.0	87.4	1	23.0-160			2.93	28
1,1,2-Trichloroethane	5.00	U	7.62	7.39	152	148	1	35.0-147	J5	J5	3.06	27
Trichloroethene	5.00	U	4.33	4.29	86.6	85.8	1	10.0-160			0.928	25
Trichlorofluoromethane	5.00	U	5.98	5.90	120	118	1	17.0-160			1.35	31
1,2,3-Trichloropropane	5.00	U	7.13	7.00	143	140	1	34.0-151			1.84	29
1,2,4-Trimethylbenzene	5.00	0.920	31.2	8.42	606	150	1	26.0-154	J5	J3	115	27
1,2,3-Trimethylbenzene	5.00	6.00	25.6	12.9	392	138	1	32.0-149	J5	J3	66.0	28
1,3,5-Trimethylbenzene	5.00	5.61	13.8	12.1	164	130	1	28.0-153	J5		13.1	27
Vinyl acetate	25.0	0.909	20.5	20.3	78.4	77.6	1	12.0-160			0.980	31
Vinyl chloride	5.00	U	3.43	3.21	68.6	64.2	1	10.0-160			6.63	27
Xylenes, Total	15.0	19.0	37.4	33.6	123	97.3	1	29.0-154			10.7	28
(S) Toluene-d8					*107*	*106*		*80.0-120*				
(S) 4-Bromofluorobenzene					*103*	*104*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*104*	*107*		*70.0-130*				

Method Blank (MB)

(MB) R3516955-3 04/08/20 14:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Vinyl acetate	U		0.645	5.00
(S) Toluene-d8	*96.6*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3516955-1 04/08/20 13:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Vinyl acetate	25.0	28.7	115	11.0-160	
(S) Toluene-d8			*94.8*	*80.0-120*	
(S) 4-Bromofluorobenzene			*99.8*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*124*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

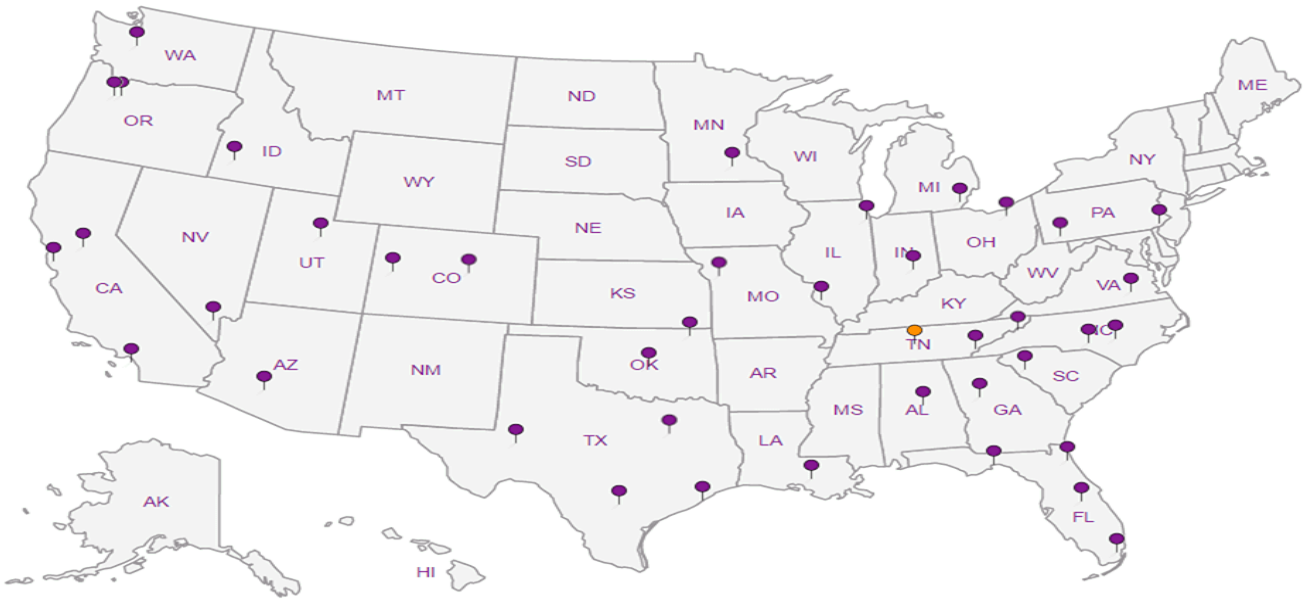
Third Party Federal Accreditations

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.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;sm

Project Description: American Linen

City/State Collected: SEATTLE WA

Please Circle: PT MT CT ET

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.02.501E

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLaughlin

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Site/Facility ID # American Linen

P.O. #

Quote #

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

Date Results Needed

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM RSK175LL 40mlAmb-HCl	NWTPHGX 40mlAmb HCl	TOC 250mlHDPE-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	VOCs LL 8260D 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-179-040220	Grab	GW	46	4/2/2020	0925	12	X	X	X	X	X	X	X		-01
MW-178-040220		GW	30		1100	12	X	X	X	X	X	X	X		-02
MW-172-040220		GW	61		1240	12	X	X	X	X	X	X	X		-03
MW-170-040220		GW	31		RM 1445 1335	12	X	X	X	X	X	X	X		-04
MW-171-040220	Grab	GW	46	4/2/2020	1445	12	X	X	X	X	X	X	X		-05
		GW													
		GW													
		GW													
		GW													
		GW													

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

SDG # L1205427
A187

Acctnum: PESENVSWA
Template: T165314
Prelogin: P763876
PM: 110 - Brian Ford
PB:
Shipped Via:

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

Remarks: *Nitrate has a 48 hour holding time. STANDARD TAT
3/3 COOLERS

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 167627498142

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	4/2/20	1558			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.3+.2=1.5 °C Bottles Received: 60	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Sandy Yosef	Date:	Time: 8:30

Hold: | Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 09, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1205430
Samples Received:	04/03/2020
Project Number:	1413.001.02.501E
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

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-183-040220 L1205430-01 GW

Collected by: Sean K | Collected date/time: 04/02/20 09:00 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1455324	1	04/07/20 21:16	04/07/20 21:16	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	1	04/03/20 18:54	04/03/20 18:54	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1456783	1	04/07/20 13:44	04/07/20 13:44	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455253	1	04/04/20 06:54	04/04/20 11:23	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1455833	1	04/05/20 15:41	04/05/20 15:41	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1455178	1	04/04/20 15:55	04/04/20 15:55	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455831	1	04/05/20 13:10	04/05/20 13:10	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1457615	1	04/08/20 17:59	04/08/20 17:59	ADM	Mt. Juliet, TN

MW-188-040220 L1205430-02 GW

Collected by: Sean K | Collected date/time: 04/02/20 10:30 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1455324	1	04/07/20 21:25	04/07/20 21:25	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	1	04/03/20 19:07	04/03/20 19:07	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1456783	1	04/07/20 13:56	04/07/20 13:56	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455253	1	04/04/20 06:54	04/04/20 11:26	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456127	1	04/06/20 12:29	04/06/20 12:29	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1455178	1	04/04/20 15:58	04/04/20 15:58	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455831	1	04/05/20 13:30	04/05/20 13:30	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1457615	1	04/08/20 18:19	04/08/20 18:19	ADM	Mt. Juliet, TN

MW-186-040220 L1205430-03 GW

Collected by: Sean K | Collected date/time: 04/02/20 12:00 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1455324	1	04/07/20 21:34	04/07/20 21:34	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	1	04/03/20 19:46	04/03/20 19:46	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1456783	1	04/07/20 14:10	04/07/20 14:10	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455253	1	04/04/20 06:54	04/04/20 11:30	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456127	1	04/06/20 12:50	04/06/20 12:50	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1455178	1	04/04/20 16:01	04/04/20 16:01	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455831	1	04/05/20 13:51	04/05/20 13:51	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1457615	1	04/08/20 18:39	04/08/20 18:39	ADM	Mt. Juliet, TN

MW-185-040220 L1205430-04 GW

Collected by: Sean K | Collected date/time: 04/02/20 13:15 | Received date/time: 04/03/20 08:30

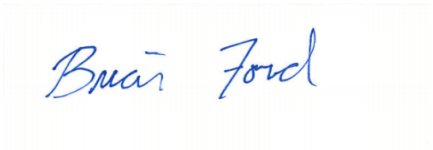
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1455324	1	04/07/20 21:43	04/07/20 21:43	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	1	04/03/20 20:00	04/03/20 20:00	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	5	04/03/20 20:13	04/03/20 20:13	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1456783	1	04/07/20 14:24	04/07/20 14:24	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455253	1	04/04/20 06:54	04/04/20 11:33	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456127	1	04/06/20 13:10	04/06/20 13:10	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1455178	1	04/04/20 16:04	04/04/20 16:04	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1456921	10	04/08/20 13:05	04/08/20 13:05	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455980	1	04/06/20 00:58	04/06/20 00:58	DWR	Mt. Juliet, TN

MW-187-040220 L1205430-05 GW

Collected by: Sean K
Collected date/time: 04/02/20 14:45
Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1455324	1	04/07/20 22:01	04/07/20 22:01	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	1	04/03/20 20:26	04/03/20 20:26	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1456783	1	04/07/20 16:12	04/07/20 16:12	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455253	1	04/04/20 06:54	04/04/20 11:36	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456127	1	04/06/20 13:31	04/06/20 13:31	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1455178	1	04/04/20 16:11	04/04/20 16:11	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455980	1	04/06/20 01:18	04/06/20 01:18	DWR	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.



Brian Ford
Project Manager

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	174000		2710	20000	1	04/07/2020 21:16	WG1455324

Sample Narrative:

L1205430-01 WG1455324: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	11300		51.9	1000	1	04/03/2020 18:54	WG1455131
Nitrate	25.4	J	22.7	100	1	04/03/2020 18:54	WG1455131
Sulfate	653	B J	77.4	5000	1	04/03/2020 18:54	WG1455131

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6870		102	1000	1	04/07/2020 13:44	WG1456783

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3870		15.0	100	1	04/04/2020 11:23	WG1455253
Manganese	137		0.250	5.00	1	04/04/2020 11:23	WG1455253

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/05/2020 15:41	WG1455833
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*04/05/2020 15:41*	WG1455833

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3360		0.287	0.678	1	04/04/2020 15:55	WG1455178
Ethane	3.91		0.296	1.29	1	04/04/2020 15:55	WG1455178
Ethene	14.8		0.422	1.27	1	04/04/2020 15:55	WG1455178

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	32.3		1.05	25.0	1	04/05/2020 13:10	WG1455831
Acrylonitrile	U		0.873	5.00	1	04/05/2020 13:10	WG1455831
Benzene	U		0.0896	0.500	1	04/05/2020 13:10	WG1455831
Bromobenzene	U		0.133	0.500	1	04/05/2020 13:10	WG1455831
Bromodichloromethane	U		0.0800	0.500	1	04/05/2020 13:10	WG1455831
Bromochloromethane	U		0.145	0.500	1	04/05/2020 13:10	WG1455831
Bromoform	U		0.186	0.500	1	04/05/2020 13:10	WG1455831
Bromomethane	U		0.157	2.50	1	04/05/2020 13:10	WG1455831
n-Butylbenzene	U		0.143	0.500	1	04/05/2020 13:10	WG1455831
sec-Butylbenzene	U		0.134	0.500	1	04/05/2020 13:10	WG1455831
tert-Butylbenzene	U		0.183	0.500	1	04/05/2020 13:10	WG1455831
Carbon disulfide	0.576		0.101	0.500	1	04/05/2020 13:10	WG1455831
Carbon tetrachloride	U	J4	0.159	0.500	1	04/05/2020 13:10	WG1455831

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/05/2020 13:10	WG1455831
Chlorodibromomethane	U		0.128	0.500	1	04/05/2020 13:10	WG1455831
Chloroethane	U		0.141	2.50	1	04/05/2020 13:10	WG1455831
Chloroform	U		0.0860	0.500	1	04/05/2020 13:10	WG1455831
Chloromethane	U		0.153	1.25	1	04/05/2020 13:10	WG1455831
2-Chlorotoluene	U		0.111	0.500	1	04/05/2020 13:10	WG1455831
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2020 13:10	WG1455831
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2020 13:10	WG1455831
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2020 13:10	WG1455831
Dibromomethane	U		0.117	0.500	1	04/05/2020 13:10	WG1455831
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2020 13:10	WG1455831
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2020 13:10	WG1455831
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2020 13:10	WG1455831
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2020 13:10	WG1455831
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2020 13:10	WG1455831
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2020 13:10	WG1455831
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2020 13:10	WG1455831
cis-1,2-Dichloroethene	3.03		0.0933	0.500	1	04/05/2020 13:10	WG1455831
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/05/2020 13:10	WG1455831
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2020 13:10	WG1455831
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2020 13:10	WG1455831
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2020 13:10	WG1455831
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2020 13:10	WG1455831
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2020 13:10	WG1455831
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2020 13:10	WG1455831
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2020 13:10	WG1455831
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2020 13:10	WG1455831
Ethylbenzene	U		0.158	0.500	1	04/05/2020 13:10	WG1455831
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2020 13:10	WG1455831
2-Hexanone	U		0.757	5.00	1	04/05/2020 13:10	WG1455831
n-Hexane	U		0.305	5.00	1	04/05/2020 13:10	WG1455831
Iodomethane	U		0.377	10.0	1	04/05/2020 13:10	WG1455831
Isopropylbenzene	U		0.126	0.500	1	04/05/2020 13:10	WG1455831
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2020 13:10	WG1455831
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2020 13:10	WG1455831
Methylene Chloride	U		1.07	2.50	1	04/05/2020 13:10	WG1455831
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2020 13:10	WG1455831
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2020 13:10	WG1455831
Naphthalene	U		0.174	2.50	1	04/05/2020 13:10	WG1455831
n-Propylbenzene	U		0.162	0.500	1	04/05/2020 13:10	WG1455831
Styrene	U		0.117	0.500	1	04/05/2020 13:10	WG1455831
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2020 13:10	WG1455831
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2020 13:10	WG1455831
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2020 13:10	WG1455831
Tetrachloroethene	U		0.199	0.500	1	04/05/2020 13:10	WG1455831
Toluene	U		0.412	0.500	1	04/05/2020 13:10	WG1455831
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2020 13:10	WG1455831
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2020 13:10	WG1455831
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2020 13:10	WG1455831
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2020 13:10	WG1455831
Trichloroethene	U	J4	0.153	0.500	1	04/05/2020 13:10	WG1455831
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2020 13:10	WG1455831
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2020 13:10	WG1455831
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2020 13:10	WG1455831
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2020 13:10	WG1455831
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2020 13:10	WG1455831

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

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/08/2020 17:59	WG1457615
Vinyl chloride	10.0		0.118	0.500	1	04/05/2020 13:10	WG1455831
Xylenes, Total	U		0.316	1.50	1	04/05/2020 13:10	WG1455831
(S) Toluene-d8	*106*			*80.0-120*		*04/05/2020 13:10*	WG1455831
(S) Toluene-d8	*98.0*			*80.0-120*		*04/08/2020 17:59*	WG1457615
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/05/2020 13:10*	WG1455831
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/08/2020 17:59*	WG1457615
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*04/05/2020 13:10*	WG1455831
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*04/08/2020 17:59*	WG1457615

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	198000		2710	20000	1	04/07/2020 21:25	WG1455324

Sample Narrative:

L1205430-02 WG1455324: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	25400		51.9	1000	1	04/03/2020 19:07	WG1455131
Nitrate	U		22.7	100	1	04/03/2020 19:07	WG1455131
Sulfate	31800		77.4	5000	1	04/03/2020 19:07	WG1455131

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1030	B	102	1000	1	04/07/2020 13:56	WG1456783

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	4980		15.0	100	1	04/04/2020 11:26	WG1455253
Manganese	476		0.250	5.00	1	04/04/2020 11:26	WG1455253

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/06/2020 12:29	WG1456127
(S) a,a,a-Trifluorotoluene(FID)	*98.4*			*78.0-120*		*04/06/2020 12:29*	WG1456127

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	204		0.287	0.678	1	04/04/2020 15:58	WG1455178
Ethane	U		0.296	1.29	1	04/04/2020 15:58	WG1455178
Ethene	U		0.422	1.27	1	04/04/2020 15:58	WG1455178

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/05/2020 13:30	WG1455831
Acrylonitrile	U		0.873	5.00	1	04/05/2020 13:30	WG1455831
Benzene	U		0.0896	0.500	1	04/05/2020 13:30	WG1455831
Bromobenzene	U		0.133	0.500	1	04/05/2020 13:30	WG1455831
Bromodichloromethane	U		0.0800	0.500	1	04/05/2020 13:30	WG1455831
Bromochloromethane	U		0.145	0.500	1	04/05/2020 13:30	WG1455831
Bromoform	U		0.186	0.500	1	04/05/2020 13:30	WG1455831
Bromomethane	U		0.157	2.50	1	04/05/2020 13:30	WG1455831
n-Butylbenzene	U		0.143	0.500	1	04/05/2020 13:30	WG1455831
sec-Butylbenzene	U		0.134	0.500	1	04/05/2020 13:30	WG1455831
tert-Butylbenzene	U		0.183	0.500	1	04/05/2020 13:30	WG1455831
Carbon disulfide	U		0.101	0.500	1	04/05/2020 13:30	WG1455831
Carbon tetrachloride	U	J4	0.159	0.500	1	04/05/2020 13:30	WG1455831

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/05/2020 13:30	WG1455831
Chlorodibromomethane	U		0.128	0.500	1	04/05/2020 13:30	WG1455831
Chloroethane	U		0.141	2.50	1	04/05/2020 13:30	WG1455831
Chloroform	U		0.0860	0.500	1	04/05/2020 13:30	WG1455831
Chloromethane	U		0.153	1.25	1	04/05/2020 13:30	WG1455831
2-Chlorotoluene	U		0.111	0.500	1	04/05/2020 13:30	WG1455831
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2020 13:30	WG1455831
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2020 13:30	WG1455831
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2020 13:30	WG1455831
Dibromomethane	U		0.117	0.500	1	04/05/2020 13:30	WG1455831
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2020 13:30	WG1455831
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2020 13:30	WG1455831
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2020 13:30	WG1455831
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2020 13:30	WG1455831
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2020 13:30	WG1455831
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2020 13:30	WG1455831
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2020 13:30	WG1455831
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/05/2020 13:30	WG1455831
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/05/2020 13:30	WG1455831
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2020 13:30	WG1455831
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2020 13:30	WG1455831
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2020 13:30	WG1455831
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2020 13:30	WG1455831
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2020 13:30	WG1455831
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2020 13:30	WG1455831
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2020 13:30	WG1455831
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2020 13:30	WG1455831
Ethylbenzene	U		0.158	0.500	1	04/05/2020 13:30	WG1455831
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2020 13:30	WG1455831
2-Hexanone	U		0.757	5.00	1	04/05/2020 13:30	WG1455831
n-Hexane	U		0.305	5.00	1	04/05/2020 13:30	WG1455831
Iodomethane	U		0.377	10.0	1	04/05/2020 13:30	WG1455831
Isopropylbenzene	U		0.126	0.500	1	04/05/2020 13:30	WG1455831
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2020 13:30	WG1455831
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2020 13:30	WG1455831
Methylene Chloride	U		1.07	2.50	1	04/05/2020 13:30	WG1455831
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2020 13:30	WG1455831
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2020 13:30	WG1455831
Naphthalene	U		0.174	2.50	1	04/05/2020 13:30	WG1455831
n-Propylbenzene	U		0.162	0.500	1	04/05/2020 13:30	WG1455831
Styrene	U		0.117	0.500	1	04/05/2020 13:30	WG1455831
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2020 13:30	WG1455831
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2020 13:30	WG1455831
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2020 13:30	WG1455831
Tetrachloroethene	U		0.199	0.500	1	04/05/2020 13:30	WG1455831
Toluene	U		0.412	0.500	1	04/05/2020 13:30	WG1455831
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2020 13:30	WG1455831
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2020 13:30	WG1455831
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2020 13:30	WG1455831
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2020 13:30	WG1455831
Trichloroethene	U	J4	0.153	0.500	1	04/05/2020 13:30	WG1455831
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2020 13:30	WG1455831
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2020 13:30	WG1455831
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2020 13:30	WG1455831
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2020 13:30	WG1455831
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2020 13:30	WG1455831

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/08/2020 18:19	WG1457615
Vinyl chloride	U		0.118	0.500	1	04/05/2020 13:30	WG1455831
Xylenes, Total	U		0.316	1.50	1	04/05/2020 13:30	WG1455831
(S) Toluene-d8	*106*			*80.0-120*		*04/05/2020 13:30*	WG1455831
(S) Toluene-d8	*94.1*			*80.0-120*		*04/08/2020 18:19*	WG1457615
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/05/2020 13:30*	WG1455831
(S) 4-Bromofluorobenzene	*96.8*			*77.0-126*		*04/08/2020 18:19*	WG1457615
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*04/05/2020 13:30*	WG1455831
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*04/08/2020 18:19*	WG1457615

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	322000		2710	20000	1	04/07/2020 21:34	WG1455324

Sample Narrative:

L1205430-03 WG1455324: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	60100		51.9	1000	1	04/03/2020 19:46	WG1455131
Nitrate	32.5	J	22.7	100	1	04/03/2020 19:46	WG1455131
Sulfate	18200		77.4	5000	1	04/03/2020 19:46	WG1455131

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6250		102	1000	1	04/07/2020 14:10	WG1456783

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	6130		15.0	100	1	04/04/2020 11:30	WG1455253
Manganese	298		0.250	5.00	1	04/04/2020 11:30	WG1455253

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/06/2020 12:50	WG1456127
(S) a,a,a-Trifluorotoluene(FID)	*98.1*			*78.0-120*		*04/06/2020 12:50*	WG1456127

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3710		0.287	0.678	1	04/04/2020 16:01	WG1455178
Ethane	21.2		0.296	1.29	1	04/04/2020 16:01	WG1455178
Ethene	23.7		0.422	1.27	1	04/04/2020 16:01	WG1455178

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/05/2020 13:51	WG1455831
Acrylonitrile	U		0.873	5.00	1	04/05/2020 13:51	WG1455831
Benzene	U		0.0896	0.500	1	04/05/2020 13:51	WG1455831
Bromobenzene	U		0.133	0.500	1	04/05/2020 13:51	WG1455831
Bromodichloromethane	U		0.0800	0.500	1	04/05/2020 13:51	WG1455831
Bromochloromethane	U		0.145	0.500	1	04/05/2020 13:51	WG1455831
Bromoform	U		0.186	0.500	1	04/05/2020 13:51	WG1455831
Bromomethane	U		0.157	2.50	1	04/05/2020 13:51	WG1455831
n-Butylbenzene	U		0.143	0.500	1	04/05/2020 13:51	WG1455831
sec-Butylbenzene	U		0.134	0.500	1	04/05/2020 13:51	WG1455831
tert-Butylbenzene	U		0.183	0.500	1	04/05/2020 13:51	WG1455831
Carbon disulfide	U		0.101	0.500	1	04/05/2020 13:51	WG1455831
Carbon tetrachloride	U	J4	0.159	0.500	1	04/05/2020 13:51	WG1455831

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/05/2020 13:51	WG1455831
Chlorodibromomethane	U		0.128	0.500	1	04/05/2020 13:51	WG1455831
Chloroethane	U		0.141	2.50	1	04/05/2020 13:51	WG1455831
Chloroform	U		0.0860	0.500	1	04/05/2020 13:51	WG1455831
Chloromethane	U		0.153	1.25	1	04/05/2020 13:51	WG1455831
2-Chlorotoluene	U		0.111	0.500	1	04/05/2020 13:51	WG1455831
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2020 13:51	WG1455831
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2020 13:51	WG1455831
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2020 13:51	WG1455831
Dibromomethane	U		0.117	0.500	1	04/05/2020 13:51	WG1455831
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2020 13:51	WG1455831
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2020 13:51	WG1455831
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2020 13:51	WG1455831
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2020 13:51	WG1455831
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2020 13:51	WG1455831
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2020 13:51	WG1455831
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2020 13:51	WG1455831
cis-1,2-Dichloroethene	0.476	J	0.0933	0.500	1	04/05/2020 13:51	WG1455831
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/05/2020 13:51	WG1455831
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2020 13:51	WG1455831
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2020 13:51	WG1455831
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2020 13:51	WG1455831
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2020 13:51	WG1455831
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2020 13:51	WG1455831
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2020 13:51	WG1455831
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2020 13:51	WG1455831
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2020 13:51	WG1455831
Ethylbenzene	U		0.158	0.500	1	04/05/2020 13:51	WG1455831
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2020 13:51	WG1455831
2-Hexanone	U		0.757	5.00	1	04/05/2020 13:51	WG1455831
n-Hexane	U		0.305	5.00	1	04/05/2020 13:51	WG1455831
Iodomethane	U		0.377	10.0	1	04/05/2020 13:51	WG1455831
Isopropylbenzene	U		0.126	0.500	1	04/05/2020 13:51	WG1455831
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2020 13:51	WG1455831
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2020 13:51	WG1455831
Methylene Chloride	U		1.07	2.50	1	04/05/2020 13:51	WG1455831
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2020 13:51	WG1455831
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2020 13:51	WG1455831
Naphthalene	U		0.174	2.50	1	04/05/2020 13:51	WG1455831
n-Propylbenzene	U		0.162	0.500	1	04/05/2020 13:51	WG1455831
Styrene	U		0.117	0.500	1	04/05/2020 13:51	WG1455831
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2020 13:51	WG1455831
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2020 13:51	WG1455831
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2020 13:51	WG1455831
Tetrachloroethene	U		0.199	0.500	1	04/05/2020 13:51	WG1455831
Toluene	U		0.412	0.500	1	04/05/2020 13:51	WG1455831
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2020 13:51	WG1455831
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2020 13:51	WG1455831
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2020 13:51	WG1455831
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2020 13:51	WG1455831
Trichloroethene	0.205	J J4	0.153	0.500	1	04/05/2020 13:51	WG1455831
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2020 13:51	WG1455831
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2020 13:51	WG1455831
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2020 13:51	WG1455831
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2020 13:51	WG1455831
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2020 13:51	WG1455831

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

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/08/2020 18:39	WG1457615
Vinyl chloride	5.93		0.118	0.500	1	04/05/2020 13:51	WG1455831
Xylenes, Total	U		0.316	1.50	1	04/05/2020 13:51	WG1455831
(S) Toluene-d8	*105*			*80.0-120*		*04/05/2020 13:51*	WG1455831
(S) Toluene-d8	*98.3*			*80.0-120*		*04/08/2020 18:39*	WG1457615
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*04/05/2020 13:51*	WG1455831
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*04/08/2020 18:39*	WG1457615
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*04/05/2020 13:51*	WG1455831
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*04/08/2020 18:39*	WG1457615

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	1190000		2710	20000	1	04/07/2020 21:43	WG1455324

Sample Narrative:
L1205430-04 WG1455324: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	157000		260	5000	5	04/03/2020 20:13	WG1455131
Nitrate	U		22.7	100	1	04/03/2020 20:00	WG1455131
Sulfate	273	B J	77.4	5000	1	04/03/2020 20:00	WG1455131

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	20000		102	1000	1	04/07/2020 14:24	WG1456783

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	25200		15.0	100	1	04/04/2020 11:33	WG1455253
Manganese	3410		0.250	5.00	1	04/04/2020 11:33	WG1455253

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/06/2020 13:10	WG1456127
(S) a,a,a-Trifluorotoluene(FID)	*97.9*			*78.0-120*		*04/06/2020 13:10*	WG1456127

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	23300		2.87	6.78	10	04/08/2020 13:05	WG1456921
Ethane	227		0.296	1.29	1	04/04/2020 16:04	WG1455178
Ethene	U		0.422	1.27	1	04/04/2020 16:04	WG1455178

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.34	J JO	1.05	25.0	1	04/06/2020 00:58	WG1455980
Acrylonitrile	U		0.873	5.00	1	04/06/2020 00:58	WG1455980
Benzene	0.192	J	0.0896	0.500	1	04/06/2020 00:58	WG1455980
Bromobenzene	U		0.133	0.500	1	04/06/2020 00:58	WG1455980
Bromodichloromethane	U		0.0800	0.500	1	04/06/2020 00:58	WG1455980
Bromochloromethane	U		0.145	0.500	1	04/06/2020 00:58	WG1455980
Bromoform	U		0.186	0.500	1	04/06/2020 00:58	WG1455980
Bromomethane	U	JO	0.157	2.50	1	04/06/2020 00:58	WG1455980
n-Butylbenzene	U		0.143	0.500	1	04/06/2020 00:58	WG1455980
sec-Butylbenzene	U		0.134	0.500	1	04/06/2020 00:58	WG1455980
tert-Butylbenzene	U		0.183	0.500	1	04/06/2020 00:58	WG1455980
Carbon disulfide	0.168	J	0.101	0.500	1	04/06/2020 00:58	WG1455980
Carbon tetrachloride	U		0.159	0.500	1	04/06/2020 00:58	WG1455980

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/06/2020 00:58	WG1455980
Chlorodibromomethane	U		0.128	0.500	1	04/06/2020 00:58	WG1455980
Chloroethane	0.309	J J0	0.141	2.50	1	04/06/2020 00:58	WG1455980
Chloroform	U		0.0860	0.500	1	04/06/2020 00:58	WG1455980
Chloromethane	U		0.153	1.25	1	04/06/2020 00:58	WG1455980
2-Chlorotoluene	U		0.111	0.500	1	04/06/2020 00:58	WG1455980
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2020 00:58	WG1455980
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2020 00:58	WG1455980
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2020 00:58	WG1455980
Dibromomethane	U		0.117	0.500	1	04/06/2020 00:58	WG1455980
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2020 00:58	WG1455980
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2020 00:58	WG1455980
1,4-Dichlorobenzene	U		0.121	0.500	1	04/06/2020 00:58	WG1455980
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2020 00:58	WG1455980
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2020 00:58	WG1455980
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2020 00:58	WG1455980
1,1-Dichloroethene	U		0.188	0.500	1	04/06/2020 00:58	WG1455980
cis-1,2-Dichloroethene	1.18		0.0933	0.500	1	04/06/2020 00:58	WG1455980
trans-1,2-Dichloroethene	0.729		0.152	0.500	1	04/06/2020 00:58	WG1455980
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2020 00:58	WG1455980
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2020 00:58	WG1455980
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2020 00:58	WG1455980
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2020 00:58	WG1455980
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2020 00:58	WG1455980
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2020 00:58	WG1455980
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2020 00:58	WG1455980
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2020 00:58	WG1455980
Ethylbenzene	U		0.158	0.500	1	04/06/2020 00:58	WG1455980
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2020 00:58	WG1455980
2-Hexanone	U		0.757	5.00	1	04/06/2020 00:58	WG1455980
n-Hexane	U		0.305	5.00	1	04/06/2020 00:58	WG1455980
Iodomethane	U	J0	0.377	10.0	1	04/06/2020 00:58	WG1455980
Isopropylbenzene	U		0.126	0.500	1	04/06/2020 00:58	WG1455980
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2020 00:58	WG1455980
2-Butanone (MEK)	U		1.28	5.00	1	04/06/2020 00:58	WG1455980
Methylene Chloride	U		1.07	2.50	1	04/06/2020 00:58	WG1455980
4-Methyl-2-pentanone (MIBK)	1.00	J	0.823	5.00	1	04/06/2020 00:58	WG1455980
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2020 00:58	WG1455980
Naphthalene	U		0.174	2.50	1	04/06/2020 00:58	WG1455980
n-Propylbenzene	U		0.162	0.500	1	04/06/2020 00:58	WG1455980
Styrene	U		0.117	0.500	1	04/06/2020 00:58	WG1455980
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2020 00:58	WG1455980
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2020 00:58	WG1455980
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2020 00:58	WG1455980
Tetrachloroethene	U		0.199	0.500	1	04/06/2020 00:58	WG1455980
Toluene	U		0.412	0.500	1	04/06/2020 00:58	WG1455980
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2020 00:58	WG1455980
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2020 00:58	WG1455980
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2020 00:58	WG1455980
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2020 00:58	WG1455980
Trichloroethene	U		0.153	0.500	1	04/06/2020 00:58	WG1455980
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2020 00:58	WG1455980
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2020 00:58	WG1455980
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2020 00:58	WG1455980
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2020 00:58	WG1455980
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2020 00:58	WG1455980

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/06/2020 00:58	WG1455980
Vinyl chloride	0.512		0.118	0.500	1	04/06/2020 00:58	WG1455980
Xylenes, Total	U		0.316	1.50	1	04/06/2020 00:58	WG1455980
(S) Toluene-d8	*114*			*80.0-120*		*04/06/2020 00:58*	WG1455980
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/06/2020 00:58*	WG1455980
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/06/2020 00:58*	WG1455980

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	201000		2710	20000	1	04/07/2020 22:01	WG1455324

Sample Narrative:

L1205430-05 WG1455324: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	18500		51.9	1000	1	04/03/2020 20:26	WG1455131
Nitrate	30.8	J	22.7	100	1	04/03/2020 20:26	WG1455131
Sulfate	14900		77.4	5000	1	04/03/2020 20:26	WG1455131

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	3000	B	102	1000	1	04/07/2020 16:12	WG1456783

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	2720		15.0	100	1	04/04/2020 11:36	WG1455253
Manganese	117		0.250	5.00	1	04/04/2020 11:36	WG1455253

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/06/2020 13:31	WG1456127
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*78.0-120*		*04/06/2020 13:31*	WG1456127

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	167		0.287	0.678	1	04/04/2020 16:11	WG1455178
Ethane	U		0.296	1.29	1	04/04/2020 16:11	WG1455178
Ethene	U		0.422	1.27	1	04/04/2020 16:11	WG1455178

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J0	1.05	25.0	1	04/06/2020 01:18	WG1455980
Acrylonitrile	U		0.873	5.00	1	04/06/2020 01:18	WG1455980
Benzene	U		0.0896	0.500	1	04/06/2020 01:18	WG1455980
Bromobenzene	U		0.133	0.500	1	04/06/2020 01:18	WG1455980
Bromodichloromethane	U		0.0800	0.500	1	04/06/2020 01:18	WG1455980
Bromochloromethane	U		0.145	0.500	1	04/06/2020 01:18	WG1455980
Bromoform	U		0.186	0.500	1	04/06/2020 01:18	WG1455980
Bromomethane	U	J0	0.157	2.50	1	04/06/2020 01:18	WG1455980
n-Butylbenzene	U		0.143	0.500	1	04/06/2020 01:18	WG1455980
sec-Butylbenzene	U		0.134	0.500	1	04/06/2020 01:18	WG1455980
tert-Butylbenzene	U		0.183	0.500	1	04/06/2020 01:18	WG1455980
Carbon disulfide	U		0.101	0.500	1	04/06/2020 01:18	WG1455980
Carbon tetrachloride	U		0.159	0.500	1	04/06/2020 01:18	WG1455980

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/06/2020 01:18	WG1455980
Chlorodibromomethane	U		0.128	0.500	1	04/06/2020 01:18	WG1455980
Chloroethane	U	J0	0.141	2.50	1	04/06/2020 01:18	WG1455980
Chloroform	U		0.0860	0.500	1	04/06/2020 01:18	WG1455980
Chloromethane	U		0.153	1.25	1	04/06/2020 01:18	WG1455980
2-Chlorotoluene	U		0.111	0.500	1	04/06/2020 01:18	WG1455980
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2020 01:18	WG1455980
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2020 01:18	WG1455980
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2020 01:18	WG1455980
Dibromomethane	U		0.117	0.500	1	04/06/2020 01:18	WG1455980
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2020 01:18	WG1455980
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2020 01:18	WG1455980
1,4-Dichlorobenzene	U		0.121	0.500	1	04/06/2020 01:18	WG1455980
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2020 01:18	WG1455980
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2020 01:18	WG1455980
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2020 01:18	WG1455980
1,1-Dichloroethene	U		0.188	0.500	1	04/06/2020 01:18	WG1455980
cis-1,2-Dichloroethene	0.234	J	0.0933	0.500	1	04/06/2020 01:18	WG1455980
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/06/2020 01:18	WG1455980
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2020 01:18	WG1455980
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2020 01:18	WG1455980
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2020 01:18	WG1455980
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2020 01:18	WG1455980
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2020 01:18	WG1455980
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2020 01:18	WG1455980
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2020 01:18	WG1455980
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2020 01:18	WG1455980
Ethylbenzene	U		0.158	0.500	1	04/06/2020 01:18	WG1455980
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2020 01:18	WG1455980
2-Hexanone	U		0.757	5.00	1	04/06/2020 01:18	WG1455980
n-Hexane	U		0.305	5.00	1	04/06/2020 01:18	WG1455980
Iodomethane	U	J0	0.377	10.0	1	04/06/2020 01:18	WG1455980
Isopropylbenzene	U		0.126	0.500	1	04/06/2020 01:18	WG1455980
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2020 01:18	WG1455980
2-Butanone (MEK)	U		1.28	5.00	1	04/06/2020 01:18	WG1455980
Methylene Chloride	U		1.07	2.50	1	04/06/2020 01:18	WG1455980
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2020 01:18	WG1455980
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2020 01:18	WG1455980
Naphthalene	U		0.174	2.50	1	04/06/2020 01:18	WG1455980
n-Propylbenzene	U		0.162	0.500	1	04/06/2020 01:18	WG1455980
Styrene	U		0.117	0.500	1	04/06/2020 01:18	WG1455980
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2020 01:18	WG1455980
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2020 01:18	WG1455980
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2020 01:18	WG1455980
Tetrachloroethene	U		0.199	0.500	1	04/06/2020 01:18	WG1455980
Toluene	U		0.412	0.500	1	04/06/2020 01:18	WG1455980
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2020 01:18	WG1455980
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2020 01:18	WG1455980
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2020 01:18	WG1455980
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2020 01:18	WG1455980
Trichloroethene	U		0.153	0.500	1	04/06/2020 01:18	WG1455980
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2020 01:18	WG1455980
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2020 01:18	WG1455980
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2020 01:18	WG1455980
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2020 01:18	WG1455980
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2020 01:18	WG1455980

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/06/2020 01:18	WG1455980
Vinyl chloride	U		0.118	0.500	1	04/06/2020 01:18	WG1455980
Xylenes, Total	U		0.316	1.50	1	04/06/2020 01:18	WG1455980
(S) Toluene-d8	*116*			*80.0-120*		*04/06/2020 01:18*	WG1455980
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/06/2020 01:18*	WG1455980
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/06/2020 01:18*	WG1455980

Method Blank (MB)

(MB) R3516547-1 04/07/20 20:22

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	5660		2710	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1205427-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1205427-02 04/07/20 23:04 • (DUP) R3516547-4 04/07/20 23:27

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	1890000	2000000	5	5.84		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L1205569-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1205569-07 04/08/20 00:42 • (DUP) R3516547-5 04/08/20 00:52

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	229000	229000	1	0.0813		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3516547-3 04/07/20 21:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	108000	108	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3515484-1 04/03/20 13:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	175	J	51.9	1000
Nitrate	U		22.7	100
Sulfate	273	J	77.4	5000

L1205427-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1205427-03 04/03/20 17:22 • (DUP) R3515484-3 04/03/20 17:35

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	22600	22600	1	0.257		15
Nitrate	31.5	29.6	1	6.22	J	15
Sulfate	41800	41900	1	0.194		15

L1205456-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1205456-03 04/03/20 21:18 • (DUP) R3515484-6 04/03/20 21:31

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	5520	5630	1	2.05		15
Nitrate	30.0	29.0	1	3.39	J	15
Sulfate	4020	4120	1	2.40	J	15

Laboratory Control Sample (LCS)

(LCS) R3515484-2 04/03/20 14:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39400	98.6	80.0-120	
Nitrate	8000	8080	101	80.0-120	
Sulfate	40000	40200	101	80.0-120	

L1205427-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205427-05 04/03/20 18:15 • (MS) R3515484-4 04/03/20 18:28 • (MSD) R3515484-5 04/03/20 18:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	31200	83100	80400	104	98.4	1	80.0-120			3.28	15
Nitrate	5000	U	5110	4920	102	98.5	1	80.0-120			3.80	15
Sulfate	50000	5270	59600	57400	109	104	1	80.0-120			3.71	15

L1205456-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1205456-04 04/03/20 21:44 • (MS) R3515484-7 04/03/20 22:23

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	23900	75900	104	1	80.0-120	
Nitrate	5000	U	5150	103	1	80.0-120	
Sulfate	50000	22300	76200	108	1	80.0-120	

Method Blank (MB)

(MB) R3516617-1 04/07/20 11:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	308	J	102	1000

L1205430-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1205430-04 04/07/20 14:24 • (DUP) R3516617-3 04/07/20 14:39

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	20000	19800	1	1.11		20

L1205569-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1205569-01 04/07/20 17:49 • (DUP) R3516617-6 04/07/20 18:02

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	ND	787	1	8.15	J	20

Laboratory Control Sample (LCS)

(LCS) R3516617-2 04/07/20 11:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	72700	96.9	85.0-115	

L1205456-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205456-01 04/07/20 16:25 • (MS) R3516617-4 04/07/20 16:41 • (MSD) R3516617-5 04/07/20 16:56

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	6870	57200	57500	101	101	1	80.0-120			0.628	20

L1205569-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205569-06 04/07/20 20:07 • (MS) R3516617-7 04/07/20 20:24 • (MSD) R3516617-8 04/07/20 20:39

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	ND	49100	50800	96.5	100	1	80.0-120			3.54	20

Method Blank (MB)

(MB) R3515517-1 04/04/20 10:35

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	U		15.0	100
Manganese	0.300	J	0.250	5.00

Laboratory Control Sample (LCS)

(LCS) R3515517-2 04/04/20 10:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	5000	5080	102	80.0-120	
Manganese	50.0	49.9	99.9	80.0-120	

L1205384-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205384-01 04/04/20 10:42 • (MS) R3515517-4 04/04/20 10:49 • (MSD) R3515517-5 04/04/20 10:52

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	5000	U	4930	5330	98.6	107	1	75.0-125			7.80	20
Manganese	50.0	0.283	48.8	52.5	97.0	105	1	75.0-125			7.39	20

Method Blank (MB)

(MB) R3515856-3 04/05/20 11:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	37.6	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3515856-2 04/05/20 10:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	4810	87.5	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*78.0-120*	

Method Blank (MB)

(MB) R3516803-2 04/06/20 09:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*99.0*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3516803-1 04/06/20 09:13

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5170	94.0	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*114*	*78.0-120*	

Method Blank (MB)

(MB) R3515536-2 04/04/20 14:38

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

L1205356-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1205356-01 04/04/20 14:42 • (DUP) R3515536-3 04/04/20 15:51

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

L1205356-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1205356-01 04/04/20 14:42 • (DUP) R3515536-4 04/04/20 16:30

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	ND	316	1	200		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3515536-1 04/04/20 14:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methane	67.8	69.0	102	85.0-115	
Ethane	129	122	94.6	85.0-115	
Ethene	127	116	91.3	85.0-115	

Method Blank (MB)

(MB) R3516707-2 04/08/20 12:47

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

Laboratory Control Sample (LCS)

(LCS) R3516707-1 04/08/20 12:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methane	67.8	66.5	98.1	85.0-115	

Method Blank (MB)

(MB) R3515636-2 04/05/20 08:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3515636-2 04/05/20 08:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3515636-1 04/05/20 07:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	30.3	121	19.0-160	
Acrylonitrile	25.0	27.4	110	55.0-149	
Benzene	5.00	5.66	113	70.0-123	
Bromobenzene	5.00	5.32	106	73.0-121	
Bromochloromethane	5.00	5.76	115	76.0-122	
Bromodichloromethane	5.00	5.50	110	75.0-120	
Bromoform	5.00	5.44	109	68.0-132	
Bromomethane	5.00	4.66	93.2	10.0-160	
n-Butylbenzene	5.00	5.80	116	73.0-125	
sec-Butylbenzene	5.00	5.79	116	75.0-125	
tert-Butylbenzene	5.00	6.13	123	76.0-124	
Carbon disulfide	5.00	4.43	88.6	61.0-128	
Carbon tetrachloride	5.00	6.44	129	68.0-126	J4
Chlorobenzene	5.00	6.03	121	80.0-121	
Chlorodibromomethane	5.00	5.68	114	77.0-125	
Chloroethane	5.00	4.62	92.4	47.0-150	
Chloroform	5.00	5.57	111	73.0-120	
Chloromethane	5.00	4.74	94.8	41.0-142	
2-Chlorotoluene	5.00	5.74	115	76.0-123	
4-Chlorotoluene	5.00	5.59	112	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.73	94.6	58.0-134	
1,2-Dibromoethane	5.00	5.92	118	80.0-122	
Dibromomethane	5.00	5.71	114	80.0-120	
1,2-Dichlorobenzene	5.00	5.78	116	79.0-121	
1,3-Dichlorobenzene	5.00	5.72	114	79.0-120	
1,4-Dichlorobenzene	5.00	5.82	116	79.0-120	
trans-1,4-Dichloro-2-butene	5.00	4.38	87.6	33.0-144	
Dichlorodifluoromethane	5.00	6.05	121	51.0-149	
1,1-Dichloroethane	5.00	5.58	112	70.0-126	
1,2-Dichloroethane	5.00	5.54	111	70.0-128	
1,1-Dichloroethene	5.00	4.78	95.6	71.0-124	
cis-1,2-Dichloroethene	5.00	5.50	110	73.0-120	
trans-1,2-Dichloroethene	5.00	5.48	110	73.0-120	
1,2-Dichloropropane	5.00	5.48	110	77.0-125	
1,1-Dichloropropene	5.00	6.11	122	74.0-126	
1,3-Dichloropropane	5.00	5.65	113	80.0-120	
cis-1,3-Dichloropropene	5.00	5.70	114	80.0-123	
trans-1,3-Dichloropropene	5.00	5.47	109	78.0-124	
2,2-Dichloropropane	5.00	5.84	117	58.0-130	
Di-isopropyl ether	5.00	5.13	103	58.0-138	

Laboratory Control Sample (LCS)

(LCS) R3515636-1 04/05/20 07:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	5.00	5.83	117	79.0-123	
2-Hexanone	25.0	27.1	108	67.0-149	
n-Hexane	5.00	5.53	111	57.0-133	
Hexachloro-1,3-butadiene	5.00	5.75	115	54.0-138	
Iodomethane	25.0	24.9	99.6	33.0-147	
Isopropylbenzene	5.00	5.80	116	76.0-127	
p-Isopropyltoluene	5.00	5.83	117	76.0-125	
2-Butanone (MEK)	25.0	27.7	111	44.0-160	
Methylene Chloride	5.00	5.35	107	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	27.1	108	68.0-142	
Methyl tert-butyl ether	5.00	5.50	110	68.0-125	
Naphthalene	5.00	5.82	116	54.0-135	
n-Propylbenzene	5.00	5.68	114	77.0-124	
Styrene	5.00	5.78	116	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.95	119	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.15	103	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.55	91.0	69.0-132	
Tetrachloroethene	5.00	6.17	123	72.0-132	
Toluene	5.00	5.87	117	79.0-120	
1,2,3-Trichlorobenzene	5.00	6.66	133	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.91	98.2	57.0-137	
1,1,1-Trichloroethane	5.00	6.16	123	73.0-124	
1,1,2-Trichloroethane	5.00	5.63	113	80.0-120	
Trichloroethene	5.00	6.43	129	78.0-124	J4
Trichlorofluoromethane	5.00	4.54	90.8	59.0-147	
1,2,3-Trichloropropane	5.00	5.88	118	73.0-130	
1,2,4-Trimethylbenzene	5.00	5.50	110	76.0-121	
1,2,3-Trimethylbenzene	5.00	5.35	107	77.0-120	
1,3,5-Trimethylbenzene	5.00	5.61	112	76.0-122	
Vinyl chloride	5.00	4.96	99.2	67.0-131	
Xylenes, Total	15.0	17.9	119	79.0-123	
(S) Toluene-d8			*105*	*80.0-120*	
(S) 4-Bromofluorobenzene			*106*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*109*	*70.0-130*	

Method Blank (MB)

(MB) R3516036-2 04/05/20 20:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3516036-2 04/05/20 20:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*107*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3516036-1 04/05/20 19:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	28.2	113	19.0-160	J0
Acrylonitrile	25.0	22.5	90.0	55.0-149	
Benzene	5.00	4.57	91.4	70.0-123	
Bromobenzene	5.00	5.75	115	73.0-121	
Bromodichloromethane	5.00	4.60	92.0	75.0-120	
Bromochloromethane	5.00	4.88	97.6	76.0-122	
Bromoform	5.00	4.18	83.6	68.0-132	
Bromomethane	5.00	3.52	70.4	10.0-160	J0
n-Butylbenzene	5.00	5.69	114	73.0-125	
sec-Butylbenzene	5.00	5.34	107	75.0-125	
tert-Butylbenzene	5.00	5.63	113	76.0-124	
Carbon disulfide	5.00	4.19	83.8	61.0-128	
Carbon tetrachloride	5.00	4.50	90.0	68.0-126	
Chlorobenzene	5.00	4.47	89.4	80.0-121	
Chlorodibromomethane	5.00	4.65	93.0	77.0-125	
Chloroethane	5.00	3.33	66.6	47.0-150	J0
Chloroform	5.00	4.60	92.0	73.0-120	
Chloromethane	5.00	4.30	86.0	41.0-142	
2-Chlorotoluene	5.00	5.82	116	76.0-123	
4-Chlorotoluene	5.00	5.85	117	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.57	91.4	58.0-134	
1,2-Dibromoethane	5.00	4.68	93.6	80.0-122	
Dibromomethane	5.00	4.72	94.4	80.0-120	
1,2-Dichlorobenzene	5.00	4.98	99.6	79.0-121	
1,3-Dichlorobenzene	5.00	4.53	90.6	79.0-120	
1,4-Dichlorobenzene	5.00	4.36	87.2	79.0-120	
Dichlorodifluoromethane	5.00	5.66	113	51.0-149	
1,1-Dichloroethane	5.00	4.79	95.8	70.0-126	
1,2-Dichloroethane	5.00	4.49	89.8	70.0-128	
1,1-Dichloroethene	5.00	4.44	88.8	71.0-124	
cis-1,2-Dichloroethene	5.00	4.74	94.8	73.0-120	
trans-1,2-Dichloroethene	5.00	4.47	89.4	73.0-120	
1,2-Dichloropropane	5.00	4.48	89.6	77.0-125	
1,1-Dichloropropene	5.00	4.62	92.4	74.0-126	
1,3-Dichloropropane	5.00	4.80	96.0	80.0-120	
cis-1,3-Dichloropropene	5.00	4.48	89.6	80.0-123	
trans-1,3-Dichloropropene	5.00	4.36	87.2	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	3.45	69.0	33.0-144	
2,2-Dichloropropane	5.00	5.22	104	58.0-130	
Di-isopropyl ether	5.00	4.41	88.2	58.0-138	

Laboratory Control Sample (LCS)

(LCS) R3516036-1 04/05/20 19:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	5.00	4.40	88.0	79.0-123	
Hexachloro-1,3-butadiene	5.00	5.50	110	54.0-138	
2-Hexanone	25.0	20.9	83.6	67.0-149	
n-Hexane	5.00	4.18	83.6	57.0-133	
Iodomethane	25.0	19.7	78.8	33.0-147	
Isopropylbenzene	5.00	4.78	95.6	76.0-127	
p-Isopropyltoluene	5.00	4.78	95.6	76.0-125	
2-Butanone (MEK)	25.0	26.2	105	44.0-160	
Methylene Chloride	5.00	4.82	96.4	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	20.7	82.8	68.0-142	
Methyl tert-butyl ether	5.00	4.38	87.6	68.0-125	
Naphthalene	5.00	5.21	104	54.0-135	
n-Propylbenzene	5.00	5.95	119	77.0-124	
Styrene	5.00	4.26	85.2	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.88	97.6	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.85	117	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.35	87.0	69.0-132	
Tetrachloroethene	5.00	4.43	88.6	72.0-132	
Toluene	5.00	4.74	94.8	79.0-120	
1,2,3-Trichlorobenzene	5.00	5.17	103	50.0-138	
1,2,4-Trichlorobenzene	5.00	5.32	106	57.0-137	
1,1,1-Trichloroethane	5.00	4.77	95.4	73.0-124	
1,1,2-Trichloroethane	5.00	4.75	95.0	80.0-120	
Trichloroethene	5.00	4.21	84.2	78.0-124	
Trichlorofluoromethane	5.00	5.78	116	59.0-147	
1,2,3-Trichloropropane	5.00	6.18	124	73.0-130	
1,2,4-Trimethylbenzene	5.00	5.44	109	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.85	97.0	77.0-120	
1,3,5-Trimethylbenzene	5.00	5.96	119	76.0-122	
Vinyl acetate	25.0	22.3	89.2	11.0-160	
Vinyl chloride	5.00	4.05	81.0	67.0-131	
Xylenes, Total	15.0	13.5	90.0	79.0-123	
(S) Toluene-d8			*109*	*80.0-120*	
(S) 4-Bromofluorobenzene			*107*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*104*	*70.0-130*	

L1205549-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205549-01 04/06/20 03:00 • (MS) R3516036-3 04/06/20 04:00 • (MSD) R3516036-4 04/06/20 04:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	U	231	233	924	932	1	10.0-160	J5	J5	0.862	35
Acrylonitrile	25.0	U	53.4	53.6	214	214	1	21.0-160	J5	J5	0.374	32
Benzene	5.00	2.51	6.36	6.25	77.0	74.8	1	17.0-158			1.74	27
Bromobenzene	5.00	U	35.3	34.5	706	690	1	30.0-149	J5	J5	2.29	28
Bromodichloromethane	5.00	U	4.13	4.02	82.6	80.4	1	31.0-150			2.70	27
Bromochloromethane	5.00	U	4.45	4.28	89.0	85.6	1	38.0-142			3.89	26
Bromoform	5.00	U	4.64	4.56	92.8	91.2	1	29.0-150			1.74	29
Bromomethane	5.00	U	2.79	2.67	55.8	53.4	1	10.0-160			4.40	38
n-Butylbenzene	5.00	32.0	35.3	37.3	66.0	106	1	31.0-150			5.51	30
sec-Butylbenzene	5.00	26.4	30.6	31.5	84.0	102	1	33.0-155			2.90	29
tert-Butylbenzene	5.00	0.573	7.11	7.24	131	133	1	34.0-153			1.81	28
Carbon disulfide	5.00	0.189	3.50	3.40	66.2	64.2	1	10.0-156			2.90	28
Carbon tetrachloride	5.00	U	4.56	4.23	91.2	84.6	1	23.0-159			7.51	28
Chlorobenzene	5.00	U	5.02	4.89	100	97.8	1	33.0-152			2.62	27
Chlorodibromomethane	5.00	U	4.97	4.96	99.4	99.2	1	37.0-149			0.201	27
Chloroethane	5.00	U	2.71	2.68	54.2	53.6	1	10.0-160			1.11	30
Chloroform	5.00	U	7.06	7.01	141	140	1	29.0-154			0.711	28
Chloromethane	5.00	U	4.47	4.27	89.4	85.4	1	10.0-160			4.58	29
2-Chlorotoluene	5.00	U	7.30	7.24	146	145	1	32.0-153			0.825	28
4-Chlorotoluene	5.00	U	6.81	6.67	136	133	1	32.0-150			2.08	28
1,2-Dibromo-3-Chloropropane	5.00	U	4.80	5.02	96.0	100	1	22.0-151			4.48	34
1,2-Dibromoethane	5.00	U	5.27	5.11	105	102	1	34.0-147			3.08	27
Dibromomethane	5.00	U	4.84	4.76	96.8	95.2	1	30.0-151			1.67	27
1,2-Dichlorobenzene	5.00	U	5.34	5.52	107	110	1	34.0-149			3.31	28
1,3-Dichlorobenzene	5.00	U	5.32	5.34	106	107	1	36.0-146			0.375	27
1,4-Dichlorobenzene	5.00	U	5.16	5.36	103	107	1	35.0-142			3.80	27
Dichlorodifluoromethane	5.00	U	6.67	6.11	133	122	1	10.0-160			8.76	29
1,1-Dichloroethane	5.00	U	4.18	4.09	83.6	81.8	1	25.0-158			2.18	27
1,2-Dichloroethane	5.00	U	3.75	3.50	75.0	70.0	1	29.0-151			6.90	27
1,1-Dichloroethene	5.00	U	4.40	4.05	88.0	81.0	1	11.0-160			8.28	29
cis-1,2-Dichloroethene	5.00	U	5.50	4.80	110	96.0	1	10.0-160			13.6	27
trans-1,2-Dichloroethene	5.00	U	4.01	3.93	80.2	78.6	1	17.0-153			2.02	27
1,2-Dichloropropane	5.00	U	4.93	4.81	98.6	96.2	1	30.0-156			2.46	27
1,1-Dichloropropene	5.00	U	4.48	4.29	89.6	85.8	1	25.0-158			4.33	27
1,3-Dichloropropane	5.00	U	4.90	4.81	98.0	96.2	1	38.0-147			1.85	27
cis-1,3-Dichloropropene	5.00	U	3.79	3.75	75.8	75.0	1	34.0-149			1.06	28
trans-1,3-Dichloropropene	5.00	U	4.32	4.30	86.4	86.0	1	32.0-149			0.464	28
trans-1,4-Dichloro-2-butene	5.00	U	3.77	3.21	75.4	64.2	1	10.0-157			16.0	37
2,2-Dichloropropane	5.00	U	4.12	3.87	82.4	77.4	1	24.0-152			6.26	29
Di-isopropyl ether	5.00	U	3.78	3.67	75.6	73.4	1	21.0-160			2.95	28

L1205549-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205549-01 04/06/20 03:00 • (MS) R3516036-3 04/06/20 04:00 • (MSD) R3516036-4 04/06/20 04:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	44.5	52.4	48.2	158	74.0	1	30.0-155	V		8.35	27
Hexachloro-1,3-butadiene	5.00	U	5.13	5.68	103	114	1	20.0-154			10.2	34
2-Hexanone	25.0	U	21.8	22.4	87.2	89.6	1	21.0-160			2.71	29
n-Hexane	5.00	112	122	123	200	220	1	10.0-153	V	V	0.816	28
Iodomethane	25.0	U	19.1	18.4	76.4	73.6	1	10.0-160			3.73	40
Isopropylbenzene	5.00	74.6	83.5	80.5	178	118	1	28.0-157	V		3.66	27
p-Isopropyltoluene	5.00	U	9.08	9.49	182	190	1	30.0-154	J5	J5	4.42	29
2-Butanone (MEK)	25.0	U	55.1	56.7	220	227	1	10.0-160	J5	J5	2.86	32
Methylene Chloride	5.00	U	4.40	4.31	88.0	86.2	1	23.0-144			2.07	28
4-Methyl-2-pentanone (MIBK)	25.0	U	22.0	22.1	88.0	88.4	1	29.0-160			0.454	29
Methyl tert-butyl ether	5.00	U	3.85	3.75	77.0	75.0	1	28.0-150			2.63	29
Naphthalene	5.00	9.32	58.5	20.3	984	220	1	12.0-156	J5	J3 J5	97.0	35
n-Propylbenzene	5.00	326	296	288	0.000	0.000	1	31.0-154	E V	E V	2.74	28
Styrene	5.00	U	4.93	4.87	98.6	97.4	1	33.0-155			1.22	28
1,1,1,2-Tetrachloroethane	5.00	U	5.40	5.22	108	104	1	36.0-151			3.39	29
1,1,2,2-Tetrachloroethane	5.00	U	6.69	6.72	134	134	1	33.0-150			0.447	28
1,1,2-Trichlorotrifluoroethane	5.00	U	4.64	4.56	92.8	91.2	1	23.0-160			1.74	30
Tetrachloroethene	5.00	U	5.24	5.12	105	102	1	10.0-160			2.32	27
Toluene	5.00	6.38	11.0	10.7	92.4	86.4	1	26.0-154			2.76	28
1,2,3-Trichlorobenzene	5.00	U	4.87	5.38	97.4	108	1	17.0-150			9.95	36
1,2,4-Trichlorobenzene	5.00	U	5.25	5.67	105	113	1	24.0-150			7.69	33
1,1,1-Trichloroethane	5.00	U	4.50	4.37	90.0	87.4	1	23.0-160			2.93	28
1,1,2-Trichloroethane	5.00	U	7.62	7.39	152	148	1	35.0-147	J5	J5	3.06	27
Trichloroethene	5.00	U	4.33	4.29	86.6	85.8	1	10.0-160			0.928	25
Trichlorofluoromethane	5.00	U	5.98	5.90	120	118	1	17.0-160			1.35	31
1,2,3-Trichloropropane	5.00	U	7.13	7.00	143	140	1	34.0-151			1.84	29
1,2,4-Trimethylbenzene	5.00	0.920	31.2	8.42	606	150	1	26.0-154	J5	J3	115	27
1,2,3-Trimethylbenzene	5.00	6.00	25.6	12.9	392	138	1	32.0-149	J5	J3	66.0	28
1,3,5-Trimethylbenzene	5.00	5.61	13.8	12.1	164	130	1	28.0-153	J5		13.1	27
Vinyl acetate	25.0	0.909	20.5	20.3	78.4	77.6	1	12.0-160			0.980	31
Vinyl chloride	5.00	U	3.43	3.21	68.6	64.2	1	10.0-160			6.63	27
Xylenes, Total	15.0	19.0	37.4	33.6	123	97.3	1	29.0-154			10.7	28
(S) Toluene-d8					*107*	*106*		*80.0-120*				
(S) 4-Bromofluorobenzene					*103*	*104*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*104*	*107*		*70.0-130*				

Method Blank (MB)

(MB) R3516955-3 04/08/20 14:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Vinyl acetate	U		0.645	5.00
(S) Toluene-d8	*96.6*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3516955-1 04/08/20 13:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Vinyl acetate	25.0	28.7	115	11.0-160	
(S) Toluene-d8			*94.8*	*80.0-120*	
(S) 4-Bromofluorobenzene			*99.8*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*124*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

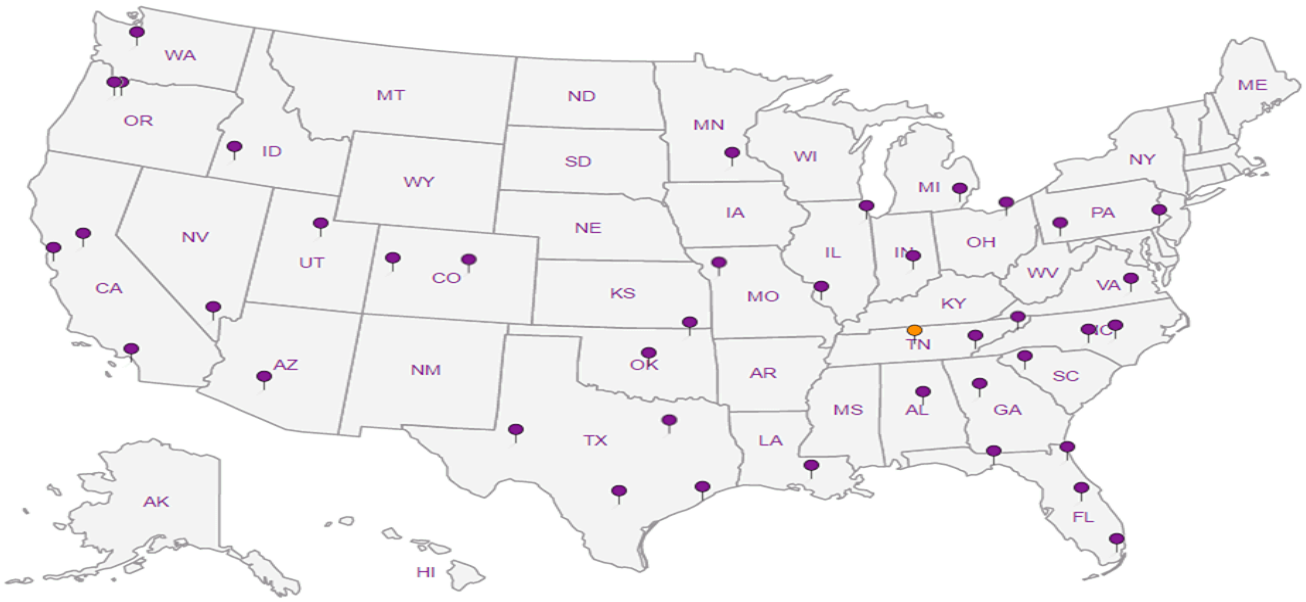
Third Party Federal Accreditations

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.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;sm

Project Description: American Linen

City/State Collected: Seattle, WA

Please Circle: PT MT CT ET

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.02.501E

Lab Project # PESENVSWA-ALP

Collected by (print): Sean Kounovsky

Site/Facility ID # American Linen

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM RSK175LL 40mlAmb-HCl	NWTPHGX 40mlAmb HCl	TOC 250mlHDPE-HCl ≤2	Total Fe Mn 6020 250mlHDPE-HNO3 ≤2	VOCs LL 8260D 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-183-040220	Grab	GW	46'	4/2/20	0900	12	X	X	X	X	X	X	X		-01
MW-188-040220	Grab	GW	61'	4/2/20	1030	12	X	X	X	X	X	X	X		-02
MW-186-040220	Grab	GW	31.5'	4/2/20	1200	12	X	X	X	X	X	X	X		-03
MW-185-040220	Grab	GW	17.5'	4/2/20	1315	12	X	X	X	X	X	X	X		-04
MW-187-040220	Grab	GW	46'	4/2/20	1445	12	X	X	X	X	X	X	X		-05
		GW													
		GW													
		GW													
		GW													
		GW													

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

SDG # L1205430

C099

Acctnum: PESENVSWA
Template: T165314
Prelogin: P763876
PM: 110 - Brian Ford
PB:
Shipped Via:

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

Remarks: *Nitrate has a 48 hour holding time.
STAT Cooler 2 of 3

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 1676 2749 8153

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	4/2/20	1600		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.3 °C Bottles Received: 2.2+.2=2.4 60
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/3/20 Time: 8:30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 09, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1205456
Samples Received:	04/03/2020
Project Number:	1413.001.02.501E
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

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-145R-040220 L1205456-01 GW

Collected by: BLH/SPK/RTM | Collected date/time: 04/02/20 08:50 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1455324	1	04/07/20 22:09	04/07/20 22:09	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	1	04/03/20 20:39	04/03/20 20:39	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1456783	1	04/07/20 16:25	04/07/20 16:25	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455253	1	04/04/20 06:54	04/04/20 11:40	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456127	1	04/06/20 13:51	04/06/20 13:51	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1455178	1	04/04/20 16:13	04/04/20 16:13	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455980	1	04/06/20 01:39	04/06/20 01:39	DWR	Mt. Juliet, TN

MW-144R-040220 L1205456-02 GW

Collected by: BLH/SPK/RTM | Collected date/time: 04/02/20 10:30 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1455324	1	04/07/20 22:19	04/07/20 22:19	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	1	04/03/20 20:52	04/03/20 20:52	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1456783	1	04/07/20 17:10	04/07/20 17:10	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455253	1	04/04/20 06:54	04/04/20 11:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456127	1	04/06/20 14:12	04/06/20 14:12	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1455178	1	04/04/20 16:16	04/04/20 16:16	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1456921	10	04/08/20 13:07	04/08/20 13:07	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456345	1	04/06/20 23:05	04/06/20 23:05	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456698	1	04/07/20 13:04	04/07/20 13:04	ADM	Mt. Juliet, TN

MW102-040220 L1205456-03 GW

Collected by: BLH/SPK/RTM | Collected date/time: 04/02/20 13:00 | Received date/time: 04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1455324	1	04/07/20 22:27	04/07/20 22:27	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	1	04/03/20 21:18	04/03/20 21:18	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1456783	1	04/07/20 17:21	04/07/20 17:21	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455253	1	04/04/20 06:54	04/04/20 11:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456127	1	04/06/20 14:32	04/06/20 14:32	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1455178	1	04/04/20 16:25	04/04/20 16:25	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455980	1	04/06/20 02:19	04/06/20 02:19	DWR	Mt. Juliet, TN

MW-190-040220 L1205456-04 GW

Collected by: BLH/SPK/RTM | Collected date/time: 04/02/20 14:35 | Received date/time: 04/03/20 08:30

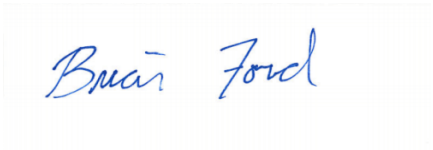
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1455324	1	04/07/20 22:37	04/07/20 22:37	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455131	1	04/03/20 21:44	04/03/20 21:44	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1456783	1	04/07/20 17:37	04/07/20 17:37	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455253	1	04/04/20 06:54	04/04/20 11:50	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456127	1	04/06/20 14:53	04/06/20 14:53	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1455178	1	04/04/20 16:27	04/04/20 16:27	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455980	1	04/06/20 02:40	04/06/20 02:40	DWR	Mt. Juliet, TN

TB-040220 L1205456-05 GW

Collected by	Collected date/time	Received date/time
BLH/SPK/RTM	04/02/20 16:30	04/03/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456127	1	04/06/20 11:27	04/06/20 11:27	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455980	1	04/05/20 21:35	04/05/20 21:35	DWR	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.



Brian Ford
Project Manager

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	260000		2710	20000	1	04/07/2020 22:09	WG1455324

Sample Narrative:

L1205456-01 WG1455324: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	20100		51.9	1000	1	04/03/2020 20:39	WG1455131
Nitrate	U		22.7	100	1	04/03/2020 20:39	WG1455131
Sulfate	1070	B J	77.4	5000	1	04/03/2020 20:39	WG1455131

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6870		102	1000	1	04/07/2020 16:25	WG1456783

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1390		15.0	100	1	04/04/2020 11:40	WG1455253
Manganese	342		0.250	5.00	1	04/04/2020 11:40	WG1455253

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/06/2020 13:51	WG1456127
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*78.0-120*		*04/06/2020 13:51*	WG1456127

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2050		0.287	0.678	1	04/04/2020 16:13	WG1455178
Ethane	5.34		0.296	1.29	1	04/04/2020 16:13	WG1455178
Ethene	U		0.422	1.27	1	04/04/2020 16:13	WG1455178

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.73	J JO	1.05	25.0	1	04/06/2020 01:39	WG1455980
Acrylonitrile	U		0.873	5.00	1	04/06/2020 01:39	WG1455980
Benzene	U		0.0896	0.500	1	04/06/2020 01:39	WG1455980
Bromobenzene	U		0.133	0.500	1	04/06/2020 01:39	WG1455980
Bromodichloromethane	U		0.0800	0.500	1	04/06/2020 01:39	WG1455980
Bromochloromethane	U		0.145	0.500	1	04/06/2020 01:39	WG1455980
Bromoform	U		0.186	0.500	1	04/06/2020 01:39	WG1455980
Bromomethane	U	JO	0.157	2.50	1	04/06/2020 01:39	WG1455980
n-Butylbenzene	U		0.143	0.500	1	04/06/2020 01:39	WG1455980
sec-Butylbenzene	U		0.134	0.500	1	04/06/2020 01:39	WG1455980
tert-Butylbenzene	U		0.183	0.500	1	04/06/2020 01:39	WG1455980
Carbon disulfide	0.398	J	0.101	0.500	1	04/06/2020 01:39	WG1455980
Carbon tetrachloride	U		0.159	0.500	1	04/06/2020 01:39	WG1455980

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/06/2020 01:39	WG1455980
Chlorodibromomethane	U		0.128	0.500	1	04/06/2020 01:39	WG1455980
Chloroethane	U	J0	0.141	2.50	1	04/06/2020 01:39	WG1455980
Chloroform	U		0.0860	0.500	1	04/06/2020 01:39	WG1455980
Chloromethane	U		0.153	1.25	1	04/06/2020 01:39	WG1455980
2-Chlorotoluene	U		0.111	0.500	1	04/06/2020 01:39	WG1455980
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2020 01:39	WG1455980
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2020 01:39	WG1455980
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2020 01:39	WG1455980
Dibromomethane	U		0.117	0.500	1	04/06/2020 01:39	WG1455980
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2020 01:39	WG1455980
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2020 01:39	WG1455980
1,4-Dichlorobenzene	U		0.121	0.500	1	04/06/2020 01:39	WG1455980
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2020 01:39	WG1455980
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2020 01:39	WG1455980
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2020 01:39	WG1455980
1,1-Dichloroethene	U		0.188	0.500	1	04/06/2020 01:39	WG1455980
cis-1,2-Dichloroethene	0.293	J	0.0933	0.500	1	04/06/2020 01:39	WG1455980
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/06/2020 01:39	WG1455980
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2020 01:39	WG1455980
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2020 01:39	WG1455980
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2020 01:39	WG1455980
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2020 01:39	WG1455980
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2020 01:39	WG1455980
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2020 01:39	WG1455980
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2020 01:39	WG1455980
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2020 01:39	WG1455980
Ethylbenzene	U		0.158	0.500	1	04/06/2020 01:39	WG1455980
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2020 01:39	WG1455980
2-Hexanone	U		0.757	5.00	1	04/06/2020 01:39	WG1455980
n-Hexane	U		0.305	5.00	1	04/06/2020 01:39	WG1455980
Iodomethane	U	J0	0.377	10.0	1	04/06/2020 01:39	WG1455980
Isopropylbenzene	U		0.126	0.500	1	04/06/2020 01:39	WG1455980
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2020 01:39	WG1455980
2-Butanone (MEK)	U		1.28	5.00	1	04/06/2020 01:39	WG1455980
Methylene Chloride	U		1.07	2.50	1	04/06/2020 01:39	WG1455980
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2020 01:39	WG1455980
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2020 01:39	WG1455980
Naphthalene	U		0.174	2.50	1	04/06/2020 01:39	WG1455980
n-Propylbenzene	U		0.162	0.500	1	04/06/2020 01:39	WG1455980
Styrene	U		0.117	0.500	1	04/06/2020 01:39	WG1455980
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2020 01:39	WG1455980
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2020 01:39	WG1455980
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2020 01:39	WG1455980
Tetrachloroethene	U		0.199	0.500	1	04/06/2020 01:39	WG1455980
Toluene	U		0.412	0.500	1	04/06/2020 01:39	WG1455980
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2020 01:39	WG1455980
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2020 01:39	WG1455980
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2020 01:39	WG1455980
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2020 01:39	WG1455980
Trichloroethene	U		0.153	0.500	1	04/06/2020 01:39	WG1455980
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2020 01:39	WG1455980
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2020 01:39	WG1455980
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2020 01:39	WG1455980
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2020 01:39	WG1455980
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2020 01:39	WG1455980

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/06/2020 01:39	WG1455980
Vinyl chloride	U		0.118	0.500	1	04/06/2020 01:39	WG1455980
Xylenes, Total	U		0.316	1.50	1	04/06/2020 01:39	WG1455980
(S) Toluene-d8	*115*			*80.0-120*		*04/06/2020 01:39*	WG1455980
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*04/06/2020 01:39*	WG1455980
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*04/06/2020 01:39*	WG1455980

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	624000		2710	20000	1	04/07/2020 22:19	WG1455324

Sample Narrative:

L1205456-02 WG1455324: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	96800		51.9	1000	1	04/03/2020 20:52	WG1455131
Nitrate	25.2	J	22.7	100	1	04/03/2020 20:52	WG1455131
Sulfate	370	B J	77.4	5000	1	04/03/2020 20:52	WG1455131

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	24000		102	1000	1	04/07/2020 17:10	WG1456783

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	6490		15.0	100	1	04/04/2020 11:43	WG1455253
Manganese	1510		0.250	5.00	1	04/04/2020 11:43	WG1455253

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/06/2020 14:12	WG1456127
(S) a,a,a-Trifluorotoluene(FID)	*97.9*			*78.0-120*		*04/06/2020 14:12*	WG1456127

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	13900		2.87	6.78	10	04/08/2020 13:07	WG1456921
Ethane	28.1		0.296	1.29	1	04/04/2020 16:16	WG1455178
Ethene	466		0.422	1.27	1	04/04/2020 16:16	WG1455178

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	9.03	B J	1.05	25.0	1	04/06/2020 23:05	WG1456345
Acrylonitrile	U		0.873	5.00	1	04/06/2020 23:05	WG1456345
Benzene	U		0.0896	0.500	1	04/06/2020 23:05	WG1456345
Bromobenzene	U		0.133	0.500	1	04/06/2020 23:05	WG1456345
Bromodichloromethane	U		0.0800	0.500	1	04/06/2020 23:05	WG1456345
Bromochloromethane	U		0.145	0.500	1	04/06/2020 23:05	WG1456345
Bromoform	U		0.186	0.500	1	04/06/2020 23:05	WG1456345
Bromomethane	U		0.157	2.50	1	04/06/2020 23:05	WG1456345
n-Butylbenzene	U		0.143	0.500	1	04/06/2020 23:05	WG1456345
sec-Butylbenzene	U		0.134	0.500	1	04/06/2020 23:05	WG1456345
tert-Butylbenzene	U		0.183	0.500	1	04/06/2020 23:05	WG1456345
Carbon disulfide	0.283	J	0.101	0.500	1	04/06/2020 23:05	WG1456345
Carbon tetrachloride	U		0.159	0.500	1	04/06/2020 23:05	WG1456345

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/06/2020 23:05	WG1456345
Chlorodibromomethane	U		0.128	0.500	1	04/06/2020 23:05	WG1456345
Chloroethane	U		0.141	2.50	1	04/06/2020 23:05	WG1456345
Chloroform	U		0.0860	0.500	1	04/06/2020 23:05	WG1456345
Chloromethane	U		0.153	1.25	1	04/07/2020 13:04	WG1456698
2-Chlorotoluene	U		0.111	0.500	1	04/06/2020 23:05	WG1456345
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2020 23:05	WG1456345
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2020 23:05	WG1456345
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2020 23:05	WG1456345
Dibromomethane	U	J4	0.117	0.500	1	04/06/2020 23:05	WG1456345
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2020 23:05	WG1456345
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2020 23:05	WG1456345
1,4-Dichlorobenzene	U		0.121	0.500	1	04/06/2020 23:05	WG1456345
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2020 23:05	WG1456345
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2020 23:05	WG1456345
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2020 23:05	WG1456345
1,1-Dichloroethene	U		0.188	0.500	1	04/06/2020 23:05	WG1456345
cis-1,2-Dichloroethene	2.01		0.0933	0.500	1	04/06/2020 23:05	WG1456345
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/06/2020 23:05	WG1456345
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2020 23:05	WG1456345
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2020 23:05	WG1456345
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2020 23:05	WG1456345
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2020 23:05	WG1456345
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2020 23:05	WG1456345
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2020 23:05	WG1456345
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2020 23:05	WG1456345
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2020 23:05	WG1456345
Ethylbenzene	U		0.158	0.500	1	04/06/2020 23:05	WG1456345
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2020 23:05	WG1456345
2-Hexanone	U		0.757	5.00	1	04/06/2020 23:05	WG1456345
n-Hexane	U		0.305	5.00	1	04/06/2020 23:05	WG1456345
Iodomethane	U		0.377	10.0	1	04/07/2020 13:04	WG1456698
Isopropylbenzene	U		0.126	0.500	1	04/06/2020 23:05	WG1456345
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2020 23:05	WG1456345
2-Butanone (MEK)	2.50	J	1.28	5.00	1	04/06/2020 23:05	WG1456345
Methylene Chloride	U		1.07	2.50	1	04/06/2020 23:05	WG1456345
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2020 23:05	WG1456345
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2020 23:05	WG1456345
Naphthalene	U	J0	0.174	2.50	1	04/06/2020 23:05	WG1456345
n-Propylbenzene	U		0.162	0.500	1	04/06/2020 23:05	WG1456345
Styrene	U		0.117	0.500	1	04/06/2020 23:05	WG1456345
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2020 23:05	WG1456345
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2020 23:05	WG1456345
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2020 23:05	WG1456345
Tetrachloroethene	U		0.199	0.500	1	04/06/2020 23:05	WG1456345
Toluene	U		0.412	0.500	1	04/06/2020 23:05	WG1456345
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2020 23:05	WG1456345
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2020 23:05	WG1456345
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2020 23:05	WG1456345
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2020 23:05	WG1456345
Trichloroethene	U		0.153	0.500	1	04/06/2020 23:05	WG1456345
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2020 23:05	WG1456345
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2020 23:05	WG1456345
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2020 23:05	WG1456345
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2020 23:05	WG1456345
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2020 23:05	WG1456345

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/06/2020 23:05	WG1456345
Vinyl chloride	14.1		0.118	0.500	1	04/06/2020 23:05	WG1456345
Xylenes, Total	U		0.316	1.50	1	04/06/2020 23:05	WG1456345
(S) Toluene-d8	*106*			*80.0-120*		*04/06/2020 23:05*	WG1456345
(S) Toluene-d8	*110*			*80.0-120*		*04/07/2020 13:04*	WG1456698
(S) 4-Bromofluorobenzene	*72.1*	J2		*77.0-126*		*04/06/2020 23:05*	WG1456345
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*04/07/2020 13:04*	WG1456698
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*04/06/2020 23:05*	WG1456345
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*04/07/2020 13:04*	WG1456698

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	165000		2710	20000	1	04/07/2020 22:27	WG1455324

Sample Narrative:

L1205456-03 WG1455324: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	5520		51.9	1000	1	04/03/2020 21:18	WG1455131
Nitrate	30.0	J	22.7	100	1	04/03/2020 21:18	WG1455131
Sulfate	4020	J	77.4	5000	1	04/03/2020 21:18	WG1455131

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1150	B	102	1000	1	04/07/2020 17:21	WG1456783

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	3020		15.0	100	1	04/04/2020 11:47	WG1455253
Manganese	246		0.250	5.00	1	04/04/2020 11:47	WG1455253

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/06/2020 14:32	WG1456127
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*04/06/2020 14:32*	WG1456127

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	10.1		0.287	0.678	1	04/04/2020 16:25	WG1455178
Ethane	U		0.296	1.29	1	04/04/2020 16:25	WG1455178
Ethene	U		0.422	1.27	1	04/04/2020 16:25	WG1455178

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J0	1.05	25.0	1	04/06/2020 02:19	WG1455980
Acrylonitrile	U		0.873	5.00	1	04/06/2020 02:19	WG1455980
Benzene	U		0.0896	0.500	1	04/06/2020 02:19	WG1455980
Bromobenzene	U		0.133	0.500	1	04/06/2020 02:19	WG1455980
Bromodichloromethane	U		0.0800	0.500	1	04/06/2020 02:19	WG1455980
Bromochloromethane	U		0.145	0.500	1	04/06/2020 02:19	WG1455980
Bromoform	U		0.186	0.500	1	04/06/2020 02:19	WG1455980
Bromomethane	U	J0	0.157	2.50	1	04/06/2020 02:19	WG1455980
n-Butylbenzene	U		0.143	0.500	1	04/06/2020 02:19	WG1455980
sec-Butylbenzene	U		0.134	0.500	1	04/06/2020 02:19	WG1455980
tert-Butylbenzene	U		0.183	0.500	1	04/06/2020 02:19	WG1455980
Carbon disulfide	U		0.101	0.500	1	04/06/2020 02:19	WG1455980
Carbon tetrachloride	U		0.159	0.500	1	04/06/2020 02:19	WG1455980

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/06/2020 02:19	WG1455980
Chlorodibromomethane	U		0.128	0.500	1	04/06/2020 02:19	WG1455980
Chloroethane	U	J0	0.141	2.50	1	04/06/2020 02:19	WG1455980
Chloroform	U		0.0860	0.500	1	04/06/2020 02:19	WG1455980
Chloromethane	U		0.153	1.25	1	04/06/2020 02:19	WG1455980
2-Chlorotoluene	U		0.111	0.500	1	04/06/2020 02:19	WG1455980
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2020 02:19	WG1455980
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2020 02:19	WG1455980
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2020 02:19	WG1455980
Dibromomethane	U		0.117	0.500	1	04/06/2020 02:19	WG1455980
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2020 02:19	WG1455980
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2020 02:19	WG1455980
1,4-Dichlorobenzene	U		0.121	0.500	1	04/06/2020 02:19	WG1455980
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2020 02:19	WG1455980
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2020 02:19	WG1455980
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2020 02:19	WG1455980
1,1-Dichloroethene	U		0.188	0.500	1	04/06/2020 02:19	WG1455980
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/06/2020 02:19	WG1455980
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/06/2020 02:19	WG1455980
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2020 02:19	WG1455980
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2020 02:19	WG1455980
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2020 02:19	WG1455980
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2020 02:19	WG1455980
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2020 02:19	WG1455980
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2020 02:19	WG1455980
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2020 02:19	WG1455980
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2020 02:19	WG1455980
Ethylbenzene	U		0.158	0.500	1	04/06/2020 02:19	WG1455980
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2020 02:19	WG1455980
2-Hexanone	U		0.757	5.00	1	04/06/2020 02:19	WG1455980
n-Hexane	U		0.305	5.00	1	04/06/2020 02:19	WG1455980
Iodomethane	U	J0	0.377	10.0	1	04/06/2020 02:19	WG1455980
Isopropylbenzene	U		0.126	0.500	1	04/06/2020 02:19	WG1455980
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2020 02:19	WG1455980
2-Butanone (MEK)	U		1.28	5.00	1	04/06/2020 02:19	WG1455980
Methylene Chloride	U		1.07	2.50	1	04/06/2020 02:19	WG1455980
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2020 02:19	WG1455980
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2020 02:19	WG1455980
Naphthalene	U		0.174	2.50	1	04/06/2020 02:19	WG1455980
n-Propylbenzene	U		0.162	0.500	1	04/06/2020 02:19	WG1455980
Styrene	U		0.117	0.500	1	04/06/2020 02:19	WG1455980
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2020 02:19	WG1455980
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2020 02:19	WG1455980
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2020 02:19	WG1455980
Tetrachloroethene	U		0.199	0.500	1	04/06/2020 02:19	WG1455980
Toluene	U		0.412	0.500	1	04/06/2020 02:19	WG1455980
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2020 02:19	WG1455980
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2020 02:19	WG1455980
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2020 02:19	WG1455980
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2020 02:19	WG1455980
Trichloroethene	U		0.153	0.500	1	04/06/2020 02:19	WG1455980
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2020 02:19	WG1455980
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2020 02:19	WG1455980
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2020 02:19	WG1455980
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2020 02:19	WG1455980
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2020 02:19	WG1455980

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/06/2020 02:19	WG1455980
Vinyl chloride	U		0.118	0.500	1	04/06/2020 02:19	WG1455980
Xylenes, Total	U		0.316	1.50	1	04/06/2020 02:19	WG1455980
(S) Toluene-d8	*116*			*80.0-120*		*04/06/2020 02:19*	WG1455980
(S) 4-Bromofluorobenzene	*97.3*			*77.0-126*		*04/06/2020 02:19*	WG1455980
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*04/06/2020 02:19*	WG1455980

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	180000		2710	20000	1	04/07/2020 22:37	WG1455324

Sample Narrative:

L1205456-04 WG1455324: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	23900		51.9	1000	1	04/03/2020 21:44	WG1455131
Nitrate	U		22.7	100	1	04/03/2020 21:44	WG1455131
Sulfate	22300		77.4	5000	1	04/03/2020 21:44	WG1455131

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2050	B	102	1000	1	04/07/2020 17:37	WG1456783

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2240		15.0	100	1	04/04/2020 11:50	WG1455253
Manganese	420		0.250	5.00	1	04/04/2020 11:50	WG1455253

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/06/2020 14:53	WG1456127
(S) a,a,a-Trifluorotoluene(FID)	*98.4*			*78.0-120*		*04/06/2020 14:53*	WG1456127

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	318		0.287	0.678	1	04/04/2020 16:27	WG1455178
Ethane	U		0.296	1.29	1	04/04/2020 16:27	WG1455178
Ethene	U		0.422	1.27	1	04/04/2020 16:27	WG1455178

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.03	J J0	1.05	25.0	1	04/06/2020 02:40	WG1455980
Acrylonitrile	U		0.873	5.00	1	04/06/2020 02:40	WG1455980
Benzene	U		0.0896	0.500	1	04/06/2020 02:40	WG1455980
Bromobenzene	U		0.133	0.500	1	04/06/2020 02:40	WG1455980
Bromodichloromethane	U		0.0800	0.500	1	04/06/2020 02:40	WG1455980
Bromochloromethane	U		0.145	0.500	1	04/06/2020 02:40	WG1455980
Bromoform	U		0.186	0.500	1	04/06/2020 02:40	WG1455980
Bromomethane	U	J0	0.157	2.50	1	04/06/2020 02:40	WG1455980
n-Butylbenzene	U		0.143	0.500	1	04/06/2020 02:40	WG1455980
sec-Butylbenzene	U		0.134	0.500	1	04/06/2020 02:40	WG1455980
tert-Butylbenzene	U		0.183	0.500	1	04/06/2020 02:40	WG1455980
Carbon disulfide	1.63		0.101	0.500	1	04/06/2020 02:40	WG1455980
Carbon tetrachloride	U		0.159	0.500	1	04/06/2020 02:40	WG1455980

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/06/2020 02:40	WG1455980
Chlorodibromomethane	U		0.128	0.500	1	04/06/2020 02:40	WG1455980
Chloroethane	U	J0	0.141	2.50	1	04/06/2020 02:40	WG1455980
Chloroform	U		0.0860	0.500	1	04/06/2020 02:40	WG1455980
Chloromethane	U		0.153	1.25	1	04/06/2020 02:40	WG1455980
2-Chlorotoluene	U		0.111	0.500	1	04/06/2020 02:40	WG1455980
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2020 02:40	WG1455980
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2020 02:40	WG1455980
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2020 02:40	WG1455980
Dibromomethane	U		0.117	0.500	1	04/06/2020 02:40	WG1455980
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2020 02:40	WG1455980
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2020 02:40	WG1455980
1,4-Dichlorobenzene	U		0.121	0.500	1	04/06/2020 02:40	WG1455980
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2020 02:40	WG1455980
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2020 02:40	WG1455980
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2020 02:40	WG1455980
1,1-Dichloroethene	U		0.188	0.500	1	04/06/2020 02:40	WG1455980
cis-1,2-Dichloroethene	2.13		0.0933	0.500	1	04/06/2020 02:40	WG1455980
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/06/2020 02:40	WG1455980
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2020 02:40	WG1455980
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2020 02:40	WG1455980
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2020 02:40	WG1455980
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2020 02:40	WG1455980
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2020 02:40	WG1455980
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2020 02:40	WG1455980
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2020 02:40	WG1455980
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2020 02:40	WG1455980
Ethylbenzene	U		0.158	0.500	1	04/06/2020 02:40	WG1455980
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2020 02:40	WG1455980
2-Hexanone	U		0.757	5.00	1	04/06/2020 02:40	WG1455980
n-Hexane	U		0.305	5.00	1	04/06/2020 02:40	WG1455980
Iodomethane	U	J0	0.377	10.0	1	04/06/2020 02:40	WG1455980
Isopropylbenzene	U		0.126	0.500	1	04/06/2020 02:40	WG1455980
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2020 02:40	WG1455980
2-Butanone (MEK)	U		1.28	5.00	1	04/06/2020 02:40	WG1455980
Methylene Chloride	U		1.07	2.50	1	04/06/2020 02:40	WG1455980
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2020 02:40	WG1455980
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2020 02:40	WG1455980
Naphthalene	U		0.174	2.50	1	04/06/2020 02:40	WG1455980
n-Propylbenzene	U		0.162	0.500	1	04/06/2020 02:40	WG1455980
Styrene	U		0.117	0.500	1	04/06/2020 02:40	WG1455980
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2020 02:40	WG1455980
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2020 02:40	WG1455980
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2020 02:40	WG1455980
Tetrachloroethene	U		0.199	0.500	1	04/06/2020 02:40	WG1455980
Toluene	U		0.412	0.500	1	04/06/2020 02:40	WG1455980
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2020 02:40	WG1455980
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2020 02:40	WG1455980
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2020 02:40	WG1455980
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2020 02:40	WG1455980
Trichloroethene	U		0.153	0.500	1	04/06/2020 02:40	WG1455980
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2020 02:40	WG1455980
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2020 02:40	WG1455980
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2020 02:40	WG1455980
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2020 02:40	WG1455980
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2020 02:40	WG1455980

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/06/2020 02:40	WG1455980
Vinyl chloride	1.81		0.118	0.500	1	04/06/2020 02:40	WG1455980
Xylenes, Total	U		0.316	1.50	1	04/06/2020 02:40	WG1455980
(S) Toluene-d8	*117*			*80.0-120*		*04/06/2020 02:40*	WG1455980
(S) 4-Bromofluorobenzene	*98.1*			*77.0-126*		*04/06/2020 02:40*	WG1455980
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*04/06/2020 02:40*	WG1455980

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/06/2020 11:27	WG1456127
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*78.0-120*		*04/06/2020 11:27*	WG1456127

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J0	1.05	25.0	1	04/05/2020 21:35	WG1455980
Acrylonitrile	U		0.873	5.00	1	04/05/2020 21:35	WG1455980
Benzene	U		0.0896	0.500	1	04/05/2020 21:35	WG1455980
Bromobenzene	U		0.133	0.500	1	04/05/2020 21:35	WG1455980
Bromodichloromethane	U		0.0800	0.500	1	04/05/2020 21:35	WG1455980
Bromochloromethane	U		0.145	0.500	1	04/05/2020 21:35	WG1455980
Bromoform	U		0.186	0.500	1	04/05/2020 21:35	WG1455980
Bromomethane	U	J0	0.157	2.50	1	04/05/2020 21:35	WG1455980
n-Butylbenzene	U		0.143	0.500	1	04/05/2020 21:35	WG1455980
sec-Butylbenzene	U		0.134	0.500	1	04/05/2020 21:35	WG1455980
tert-Butylbenzene	U		0.183	0.500	1	04/05/2020 21:35	WG1455980
Carbon disulfide	U		0.101	0.500	1	04/05/2020 21:35	WG1455980
Carbon tetrachloride	U		0.159	0.500	1	04/05/2020 21:35	WG1455980
Chlorobenzene	U		0.140	0.500	1	04/05/2020 21:35	WG1455980
Chlorodibromomethane	U		0.128	0.500	1	04/05/2020 21:35	WG1455980
Chloroethane	U	J0	0.141	2.50	1	04/05/2020 21:35	WG1455980
Chloroform	U		0.0860	0.500	1	04/05/2020 21:35	WG1455980
Chloromethane	U		0.153	1.25	1	04/05/2020 21:35	WG1455980
2-Chlorotoluene	U		0.111	0.500	1	04/05/2020 21:35	WG1455980
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2020 21:35	WG1455980
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2020 21:35	WG1455980
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2020 21:35	WG1455980
Dibromomethane	U		0.117	0.500	1	04/05/2020 21:35	WG1455980
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2020 21:35	WG1455980
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2020 21:35	WG1455980
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2020 21:35	WG1455980
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2020 21:35	WG1455980
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2020 21:35	WG1455980
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2020 21:35	WG1455980
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2020 21:35	WG1455980
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/05/2020 21:35	WG1455980
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/05/2020 21:35	WG1455980
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2020 21:35	WG1455980
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2020 21:35	WG1455980
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2020 21:35	WG1455980
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2020 21:35	WG1455980
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2020 21:35	WG1455980
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	04/05/2020 21:35	WG1455980
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2020 21:35	WG1455980
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2020 21:35	WG1455980
Ethylbenzene	U		0.158	0.500	1	04/05/2020 21:35	WG1455980
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2020 21:35	WG1455980
2-Hexanone	U		0.757	5.00	1	04/05/2020 21:35	WG1455980
n-Hexane	U		0.305	5.00	1	04/05/2020 21:35	WG1455980
Iodomethane	U		0.377	10.0	1	04/05/2020 21:35	WG1455980
Isopropylbenzene	U		0.126	0.500	1	04/05/2020 21:35	WG1455980
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2020 21:35	WG1455980
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2020 21:35	WG1455980

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/05/2020 21:35	WG1455980
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2020 21:35	WG1455980
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2020 21:35	WG1455980
Naphthalene	U		0.174	2.50	1	04/05/2020 21:35	WG1455980
n-Propylbenzene	U		0.162	0.500	1	04/05/2020 21:35	WG1455980
Styrene	U		0.117	0.500	1	04/05/2020 21:35	WG1455980
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2020 21:35	WG1455980
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2020 21:35	WG1455980
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2020 21:35	WG1455980
Tetrachloroethene	U		0.199	0.500	1	04/05/2020 21:35	WG1455980
Toluene	U		0.412	0.500	1	04/05/2020 21:35	WG1455980
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2020 21:35	WG1455980
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2020 21:35	WG1455980
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2020 21:35	WG1455980
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2020 21:35	WG1455980
Trichloroethene	U		0.153	0.500	1	04/05/2020 21:35	WG1455980
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2020 21:35	WG1455980
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2020 21:35	WG1455980
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2020 21:35	WG1455980
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2020 21:35	WG1455980
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2020 21:35	WG1455980
Vinyl acetate	U		0.645	5.00	1	04/05/2020 21:35	WG1455980
Vinyl chloride	U		0.118	0.500	1	04/05/2020 21:35	WG1455980
Xylenes, Total	U		0.316	1.50	1	04/05/2020 21:35	WG1455980
(S) Toluene-d8	*116*			*80.0-120*		*04/05/2020 21:35*	WG1455980
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*04/05/2020 21:35*	WG1455980
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/05/2020 21:35*	WG1455980

Method Blank (MB)

(MB) R3516547-1 04/07/20 20:22

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	5660		2710	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1205427-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1205427-02 04/07/20 23:04 • (DUP) R3516547-4 04/07/20 23:27

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	1890000	2000000	5	5.84		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L1205569-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1205569-07 04/08/20 00:42 • (DUP) R3516547-5 04/08/20 00:52

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	229000	229000	1	0.0813		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3516547-3 04/07/20 21:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	108000	108	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3515484-1 04/03/20 13:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	175	J	51.9	1000
Nitrate	U		22.7	100
Sulfate	273	J	77.4	5000

L1205427-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1205427-03 04/03/20 17:22 • (DUP) R3515484-3 04/03/20 17:35

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	22600	22600	1	0.257		15
Nitrate	31.5	29.6	1	6.22	J	15
Sulfate	41800	41900	1	0.194		15

L1205456-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1205456-03 04/03/20 21:18 • (DUP) R3515484-6 04/03/20 21:31

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	5520	5630	1	2.05		15
Nitrate	30.0	29.0	1	3.39	J	15
Sulfate	4020	4120	1	2.40	J	15

Laboratory Control Sample (LCS)

(LCS) R3515484-2 04/03/20 14:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39400	98.6	80.0-120	
Nitrate	8000	8080	101	80.0-120	
Sulfate	40000	40200	101	80.0-120	

L1205427-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205427-05 04/03/20 18:15 • (MS) R3515484-4 04/03/20 18:28 • (MSD) R3515484-5 04/03/20 18:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	31200	83100	80400	104	98.4	1	80.0-120			3.28	15
Nitrate	5000	U	5110	4920	102	98.5	1	80.0-120			3.80	15
Sulfate	50000	5270	59600	57400	109	104	1	80.0-120			3.71	15

L1205456-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1205456-04 04/03/20 21:44 • (MS) R3515484-7 04/03/20 22:23

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	23900	75900	104	1	80.0-120	
Nitrate	5000	U	5150	103	1	80.0-120	
Sulfate	50000	22300	76200	108	1	80.0-120	

Method Blank (MB)

(MB) R3516617-1 04/07/20 11:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	308	J	102	1000

L1205430-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1205430-04 04/07/20 14:24 • (DUP) R3516617-3 04/07/20 14:39

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	20000	19800	1	1.11		20

L1205569-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1205569-01 04/07/20 17:49 • (DUP) R3516617-6 04/07/20 18:02

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	ND	787	1	8.15	J	20

Laboratory Control Sample (LCS)

(LCS) R3516617-2 04/07/20 11:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	72700	96.9	85.0-115	

L1205456-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205456-01 04/07/20 16:25 • (MS) R3516617-4 04/07/20 16:41 • (MSD) R3516617-5 04/07/20 16:56

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	6870	57200	57500	101	101	1	80.0-120			0.628	20

L1205569-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205569-06 04/07/20 20:07 • (MS) R3516617-7 04/07/20 20:24 • (MSD) R3516617-8 04/07/20 20:39

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	ND	49100	50800	96.5	100	1	80.0-120			3.54	20

Method Blank (MB)

(MB) R3515517-1 04/04/20 10:35

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	U		15.0	100
Manganese	0.300	J	0.250	5.00

Laboratory Control Sample (LCS)

(LCS) R3515517-2 04/04/20 10:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	5000	5080	102	80.0-120	
Manganese	50.0	49.9	99.9	80.0-120	

L1205384-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205384-01 04/04/20 10:42 • (MS) R3515517-4 04/04/20 10:49 • (MSD) R3515517-5 04/04/20 10:52

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	5000	U	4930	5330	98.6	107	1	75.0-125			7.80	20
Manganese	50.0	0.283	48.8	52.5	97.0	105	1	75.0-125			7.39	20

Method Blank (MB)

(MB) R3516803-2 04/06/20 09:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*99.0*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3516803-1 04/06/20 09:13

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5170	94.0	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*114*	*78.0-120*	

Method Blank (MB)

(MB) R3515536-2 04/04/20 14:38

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

L1205356-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1205356-01 04/04/20 14:42 • (DUP) R3515536-3 04/04/20 15:51

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

L1205356-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1205356-01 04/04/20 14:42 • (DUP) R3515536-4 04/04/20 16:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	ND	316	1	200		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3515536-1 04/04/20 14:33

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Methane	67.8	69.0	102	85.0-115	
Ethane	129	122	94.6	85.0-115	
Ethene	127	116	91.3	85.0-115	

Method Blank (MB)

(MB) R3516707-2 04/08/20 12:47

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

Laboratory Control Sample (LCS)

(LCS) R3516707-1 04/08/20 12:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methane	67.8	66.5	98.1	85.0-115	

Method Blank (MB)

(MB) R3516036-2 04/05/20 20:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3516036-2 04/05/20 20:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*107*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3516036-1 04/05/20 19:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	28.2	113	19.0-160	J0
Acrylonitrile	25.0	22.5	90.0	55.0-149	
Benzene	5.00	4.57	91.4	70.0-123	
Bromobenzene	5.00	5.75	115	73.0-121	
Bromodichloromethane	5.00	4.60	92.0	75.0-120	
Bromochloromethane	5.00	4.88	97.6	76.0-122	
Bromoform	5.00	4.18	83.6	68.0-132	
Bromomethane	5.00	3.52	70.4	10.0-160	J0
n-Butylbenzene	5.00	5.69	114	73.0-125	
sec-Butylbenzene	5.00	5.34	107	75.0-125	
tert-Butylbenzene	5.00	5.63	113	76.0-124	
Carbon disulfide	5.00	4.19	83.8	61.0-128	
Carbon tetrachloride	5.00	4.50	90.0	68.0-126	
Chlorobenzene	5.00	4.47	89.4	80.0-121	
Chlorodibromomethane	5.00	4.65	93.0	77.0-125	
Chloroethane	5.00	3.33	66.6	47.0-150	J0
Chloroform	5.00	4.60	92.0	73.0-120	
Chloromethane	5.00	4.30	86.0	41.0-142	
2-Chlorotoluene	5.00	5.82	116	76.0-123	
4-Chlorotoluene	5.00	5.85	117	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.57	91.4	58.0-134	
1,2-Dibromoethane	5.00	4.68	93.6	80.0-122	
Dibromomethane	5.00	4.72	94.4	80.0-120	
1,2-Dichlorobenzene	5.00	4.98	99.6	79.0-121	
1,3-Dichlorobenzene	5.00	4.53	90.6	79.0-120	
1,4-Dichlorobenzene	5.00	4.36	87.2	79.0-120	
Dichlorodifluoromethane	5.00	5.66	113	51.0-149	
1,1-Dichloroethane	5.00	4.79	95.8	70.0-126	
1,2-Dichloroethane	5.00	4.49	89.8	70.0-128	
1,1-Dichloroethene	5.00	4.44	88.8	71.0-124	
cis-1,2-Dichloroethene	5.00	4.74	94.8	73.0-120	
trans-1,2-Dichloroethene	5.00	4.47	89.4	73.0-120	
1,2-Dichloropropane	5.00	4.48	89.6	77.0-125	
1,1-Dichloropropene	5.00	4.62	92.4	74.0-126	
1,3-Dichloropropane	5.00	4.80	96.0	80.0-120	
cis-1,3-Dichloropropene	5.00	4.48	89.6	80.0-123	
trans-1,3-Dichloropropene	5.00	4.36	87.2	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	3.45	69.0	33.0-144	
2,2-Dichloropropane	5.00	5.22	104	58.0-130	
Di-isopropyl ether	5.00	4.41	88.2	58.0-138	

Laboratory Control Sample (LCS)

(LCS) R3516036-1 04/05/20 19:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	5.00	4.40	88.0	79.0-123	
Hexachloro-1,3-butadiene	5.00	5.50	110	54.0-138	
2-Hexanone	25.0	20.9	83.6	67.0-149	
n-Hexane	5.00	4.18	83.6	57.0-133	
Iodomethane	25.0	19.7	78.8	33.0-147	
Isopropylbenzene	5.00	4.78	95.6	76.0-127	
p-Isopropyltoluene	5.00	4.78	95.6	76.0-125	
2-Butanone (MEK)	25.0	26.2	105	44.0-160	
Methylene Chloride	5.00	4.82	96.4	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	20.7	82.8	68.0-142	
Methyl tert-butyl ether	5.00	4.38	87.6	68.0-125	
Naphthalene	5.00	5.21	104	54.0-135	
n-Propylbenzene	5.00	5.95	119	77.0-124	
Styrene	5.00	4.26	85.2	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.88	97.6	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.85	117	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.35	87.0	69.0-132	
Tetrachloroethene	5.00	4.43	88.6	72.0-132	
Toluene	5.00	4.74	94.8	79.0-120	
1,2,3-Trichlorobenzene	5.00	5.17	103	50.0-138	
1,2,4-Trichlorobenzene	5.00	5.32	106	57.0-137	
1,1,1-Trichloroethane	5.00	4.77	95.4	73.0-124	
1,1,2-Trichloroethane	5.00	4.75	95.0	80.0-120	
Trichloroethene	5.00	4.21	84.2	78.0-124	
Trichlorofluoromethane	5.00	5.78	116	59.0-147	
1,2,3-Trichloropropane	5.00	6.18	124	73.0-130	
1,2,4-Trimethylbenzene	5.00	5.44	109	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.85	97.0	77.0-120	
1,3,5-Trimethylbenzene	5.00	5.96	119	76.0-122	
Vinyl acetate	25.0	22.3	89.2	11.0-160	
Vinyl chloride	5.00	4.05	81.0	67.0-131	
Xylenes, Total	15.0	13.5	90.0	79.0-123	
(S) Toluene-d8			*109*	*80.0-120*	
(S) 4-Bromofluorobenzene			*107*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*104*	*70.0-130*	

L1205549-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205549-01 04/06/20 03:00 • (MS) R3516036-3 04/06/20 04:00 • (MSD) R3516036-4 04/06/20 04:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	U	231	233	924	932	1	10.0-160	J5	J5	0.862	35
Acrylonitrile	25.0	U	53.4	53.6	214	214	1	21.0-160	J5	J5	0.374	32
Benzene	5.00	2.51	6.36	6.25	77.0	74.8	1	17.0-158			1.74	27
Bromobenzene	5.00	U	35.3	34.5	706	690	1	30.0-149	J5	J5	2.29	28
Bromodichloromethane	5.00	U	4.13	4.02	82.6	80.4	1	31.0-150			2.70	27
Bromochloromethane	5.00	U	4.45	4.28	89.0	85.6	1	38.0-142			3.89	26
Bromoform	5.00	U	4.64	4.56	92.8	91.2	1	29.0-150			1.74	29
Bromomethane	5.00	U	2.79	2.67	55.8	53.4	1	10.0-160			4.40	38
n-Butylbenzene	5.00	32.0	35.3	37.3	66.0	106	1	31.0-150			5.51	30
sec-Butylbenzene	5.00	26.4	30.6	31.5	84.0	102	1	33.0-155			2.90	29
tert-Butylbenzene	5.00	0.573	7.11	7.24	131	133	1	34.0-153			1.81	28
Carbon disulfide	5.00	0.189	3.50	3.40	66.2	64.2	1	10.0-156			2.90	28
Carbon tetrachloride	5.00	U	4.56	4.23	91.2	84.6	1	23.0-159			7.51	28
Chlorobenzene	5.00	U	5.02	4.89	100	97.8	1	33.0-152			2.62	27
Chlorodibromomethane	5.00	U	4.97	4.96	99.4	99.2	1	37.0-149			0.201	27
Chloroethane	5.00	U	2.71	2.68	54.2	53.6	1	10.0-160			1.11	30
Chloroform	5.00	U	7.06	7.01	141	140	1	29.0-154			0.711	28
Chloromethane	5.00	U	4.47	4.27	89.4	85.4	1	10.0-160			4.58	29
2-Chlorotoluene	5.00	U	7.30	7.24	146	145	1	32.0-153			0.825	28
4-Chlorotoluene	5.00	U	6.81	6.67	136	133	1	32.0-150			2.08	28
1,2-Dibromo-3-Chloropropane	5.00	U	4.80	5.02	96.0	100	1	22.0-151			4.48	34
1,2-Dibromoethane	5.00	U	5.27	5.11	105	102	1	34.0-147			3.08	27
Dibromomethane	5.00	U	4.84	4.76	96.8	95.2	1	30.0-151			1.67	27
1,2-Dichlorobenzene	5.00	U	5.34	5.52	107	110	1	34.0-149			3.31	28
1,3-Dichlorobenzene	5.00	U	5.32	5.34	106	107	1	36.0-146			0.375	27
1,4-Dichlorobenzene	5.00	U	5.16	5.36	103	107	1	35.0-142			3.80	27
Dichlorodifluoromethane	5.00	U	6.67	6.11	133	122	1	10.0-160			8.76	29
1,1-Dichloroethane	5.00	U	4.18	4.09	83.6	81.8	1	25.0-158			2.18	27
1,2-Dichloroethane	5.00	U	3.75	3.50	75.0	70.0	1	29.0-151			6.90	27
1,1-Dichloroethene	5.00	U	4.40	4.05	88.0	81.0	1	11.0-160			8.28	29
cis-1,2-Dichloroethene	5.00	U	5.50	4.80	110	96.0	1	10.0-160			13.6	27
trans-1,2-Dichloroethene	5.00	U	4.01	3.93	80.2	78.6	1	17.0-153			2.02	27
1,2-Dichloropropane	5.00	U	4.93	4.81	98.6	96.2	1	30.0-156			2.46	27
1,1-Dichloropropene	5.00	U	4.48	4.29	89.6	85.8	1	25.0-158			4.33	27
1,3-Dichloropropane	5.00	U	4.90	4.81	98.0	96.2	1	38.0-147			1.85	27
cis-1,3-Dichloropropene	5.00	U	3.79	3.75	75.8	75.0	1	34.0-149			1.06	28
trans-1,3-Dichloropropene	5.00	U	4.32	4.30	86.4	86.0	1	32.0-149			0.464	28
trans-1,4-Dichloro-2-butene	5.00	U	3.77	3.21	75.4	64.2	1	10.0-157			16.0	37
2,2-Dichloropropane	5.00	U	4.12	3.87	82.4	77.4	1	24.0-152			6.26	29
Di-isopropyl ether	5.00	U	3.78	3.67	75.6	73.4	1	21.0-160			2.95	28

L1205549-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205549-01 04/06/20 03:00 • (MS) R3516036-3 04/06/20 04:00 • (MSD) R3516036-4 04/06/20 04:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	44.5	52.4	48.2	158	74.0	1	30.0-155	V		8.35	27
Hexachloro-1,3-butadiene	5.00	U	5.13	5.68	103	114	1	20.0-154			10.2	34
2-Hexanone	25.0	U	21.8	22.4	87.2	89.6	1	21.0-160			2.71	29
n-Hexane	5.00	112	122	123	200	220	1	10.0-153	V	V	0.816	28
Iodomethane	25.0	U	19.1	18.4	76.4	73.6	1	10.0-160			3.73	40
Isopropylbenzene	5.00	74.6	83.5	80.5	178	118	1	28.0-157	V		3.66	27
p-Isopropyltoluene	5.00	U	9.08	9.49	182	190	1	30.0-154	J5	J5	4.42	29
2-Butanone (MEK)	25.0	U	55.1	56.7	220	227	1	10.0-160	J5	J5	2.86	32
Methylene Chloride	5.00	U	4.40	4.31	88.0	86.2	1	23.0-144			2.07	28
4-Methyl-2-pentanone (MIBK)	25.0	U	22.0	22.1	88.0	88.4	1	29.0-160			0.454	29
Methyl tert-butyl ether	5.00	U	3.85	3.75	77.0	75.0	1	28.0-150			2.63	29
Naphthalene	5.00	9.32	58.5	20.3	984	220	1	12.0-156	J5	J3 J5	97.0	35
n-Propylbenzene	5.00	326	296	288	0.000	0.000	1	31.0-154	E V	E V	2.74	28
Styrene	5.00	U	4.93	4.87	98.6	97.4	1	33.0-155			1.22	28
1,1,1,2-Tetrachloroethane	5.00	U	5.40	5.22	108	104	1	36.0-151			3.39	29
1,1,2,2-Tetrachloroethane	5.00	U	6.69	6.72	134	134	1	33.0-150			0.447	28
1,1,2-Trichlorotrifluoroethane	5.00	U	4.64	4.56	92.8	91.2	1	23.0-160			1.74	30
Tetrachloroethene	5.00	U	5.24	5.12	105	102	1	10.0-160			2.32	27
Toluene	5.00	6.38	11.0	10.7	92.4	86.4	1	26.0-154			2.76	28
1,2,3-Trichlorobenzene	5.00	U	4.87	5.38	97.4	108	1	17.0-150			9.95	36
1,2,4-Trichlorobenzene	5.00	U	5.25	5.67	105	113	1	24.0-150			7.69	33
1,1,1-Trichloroethane	5.00	U	4.50	4.37	90.0	87.4	1	23.0-160			2.93	28
1,1,2-Trichloroethane	5.00	U	7.62	7.39	152	148	1	35.0-147	J5	J5	3.06	27
Trichloroethene	5.00	U	4.33	4.29	86.6	85.8	1	10.0-160			0.928	25
Trichlorofluoromethane	5.00	U	5.98	5.90	120	118	1	17.0-160			1.35	31
1,2,3-Trichloropropane	5.00	U	7.13	7.00	143	140	1	34.0-151			1.84	29
1,2,4-Trimethylbenzene	5.00	0.920	31.2	8.42	606	150	1	26.0-154	J5	J3	115	27
1,2,3-Trimethylbenzene	5.00	6.00	25.6	12.9	392	138	1	32.0-149	J5	J3	66.0	28
1,3,5-Trimethylbenzene	5.00	5.61	13.8	12.1	164	130	1	28.0-153	J5		13.1	27
Vinyl acetate	25.0	0.909	20.5	20.3	78.4	77.6	1	12.0-160			0.980	31
Vinyl chloride	5.00	U	3.43	3.21	68.6	64.2	1	10.0-160			6.63	27
Xylenes, Total	15.0	19.0	37.4	33.6	123	97.3	1	29.0-154			10.7	28
(S) Toluene-d8					*107*	*106*		*80.0-120*				
(S) 4-Bromofluorobenzene					*103*	*104*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*104*	*107*		*70.0-130*				

Method Blank (MB)

(MB) R3516220-2 04/06/20 19:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	2.17	J	1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500

Method Blank (MB)

(MB) R3516220-2 04/06/20 19:41

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*110*			*80.0-120*
(S) 4-Bromofluorobenzene	*79.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3516220-1 04/06/20 16:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	31.0	124	19.0-160	
Acrylonitrile	25.0	21.9	87.6	55.0-149	
Benzene	5.00	4.06	81.2	70.0-123	
Bromobenzene	5.00	4.90	98.0	73.0-121	
Bromodichloromethane	5.00	4.00	80.0	75.0-120	
Bromochloromethane	5.00	4.66	93.2	76.0-122	
Bromoform	5.00	4.31	86.2	68.0-132	
Bromomethane	5.00	1.77	35.4	10.0-160	
n-Butylbenzene	5.00	4.28	85.6	73.0-125	
sec-Butylbenzene	5.00	4.43	88.6	75.0-125	
tert-Butylbenzene	5.00	4.25	85.0	76.0-124	
Carbon disulfide	5.00	5.02	100	61.0-128	
Carbon tetrachloride	5.00	4.31	86.2	68.0-126	
Chlorobenzene	5.00	5.08	102	80.0-121	
Chlorodibromomethane	5.00	4.94	98.8	77.0-125	
Chloroethane	5.00	4.70	94.0	47.0-150	
Chloroform	5.00	4.21	84.2	73.0-120	
2-Chlorotoluene	5.00	4.98	99.6	76.0-123	
4-Chlorotoluene	5.00	4.60	92.0	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.48	89.6	58.0-134	
1,2-Dibromoethane	5.00	5.15	103	80.0-122	
Dibromomethane	5.00	3.99	79.8	80.0-120	J4
1,2-Dichlorobenzene	5.00	4.99	99.8	79.0-121	
1,3-Dichlorobenzene	5.00	4.99	99.8	79.0-120	
1,4-Dichlorobenzene	5.00	5.28	106	79.0-120	
Dichlorodifluoromethane	5.00	5.76	115	51.0-149	
1,1-Dichloroethane	5.00	4.37	87.4	70.0-126	
1,2-Dichloroethane	5.00	4.30	86.0	70.0-128	
1,1-Dichloroethene	5.00	5.04	101	71.0-124	
cis-1,2-Dichloroethene	5.00	3.88	77.6	73.0-120	
trans-1,2-Dichloroethene	5.00	4.60	92.0	73.0-120	
1,2-Dichloropropane	5.00	4.22	84.4	77.0-125	
1,1-Dichloropropene	5.00	4.04	80.8	74.0-126	
1,3-Dichloropropane	5.00	4.86	97.2	80.0-120	
cis-1,3-Dichloropropene	5.00	4.02	80.4	80.0-123	
trans-1,3-Dichloropropene	5.00	4.37	87.4	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	3.34	66.8	33.0-144	
2,2-Dichloropropane	5.00	3.66	73.2	58.0-130	
Di-isopropyl ether	5.00	4.91	98.2	58.0-138	
Ethylbenzene	5.00	4.54	90.8	79.0-123	

Laboratory Control Sample (LCS)

(LCS) R3516220-1 04/06/20 16:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexachloro-1,3-butadiene	5.00	5.30	106	54.0-138	
2-Hexanone	25.0	21.9	87.6	67.0-149	
n-Hexane	5.00	6.18	124	57.0-133	
Isopropylbenzene	5.00	4.01	80.2	76.0-127	
p-Isopropyltoluene	5.00	4.50	90.0	76.0-125	
2-Butanone (MEK)	25.0	22.6	90.4	44.0-160	
Methylene Chloride	5.00	5.72	114	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	24.0	96.0	68.0-142	
Methyl tert-butyl ether	5.00	4.28	85.6	68.0-125	
Naphthalene	5.00	3.46	69.2	54.0-135	
n-Propylbenzene	5.00	4.47	89.4	77.0-124	
Styrene	5.00	3.89	77.8	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.69	93.8	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.46	109	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	5.33	107	69.0-132	
Tetrachloroethene	5.00	4.88	97.6	72.0-132	
Toluene	5.00	4.71	94.2	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.60	92.0	50.0-138	
1,2,4-Trichlorobenzene	5.00	3.92	78.4	57.0-137	
1,1,1-Trichloroethane	5.00	4.29	85.8	73.0-124	
1,1,2-Trichloroethane	5.00	4.91	98.2	80.0-120	
Trichloroethene	5.00	4.17	83.4	78.0-124	
Trichlorofluoromethane	5.00	4.96	99.2	59.0-147	
1,2,3-Trichloropropane	5.00	5.67	113	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.40	88.0	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.43	88.6	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.75	95.0	76.0-122	
Vinyl acetate	25.0	24.6	98.4	11.0-160	
Vinyl chloride	5.00	4.53	90.6	67.0-131	
Xylenes, Total	15.0	12.9	86.0	79.0-123	
(S) Toluene-d8			*108*	*80.0-120*	
(S) 4-Bromofluorobenzene			*83.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*105*	*70.0-130*	

Method Blank (MB)

(MB) R3516423-3 04/07/20 11:21

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Chloromethane	U		0.153	1.25
Iodomethane	U		0.377	10.0
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3516423-1 04/07/20 10:22

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Chloromethane	5.00	6.42	128	41.0-142	
Iodomethane	25.0	36.3	145	33.0-147	
(S) Toluene-d8			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*110*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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

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.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

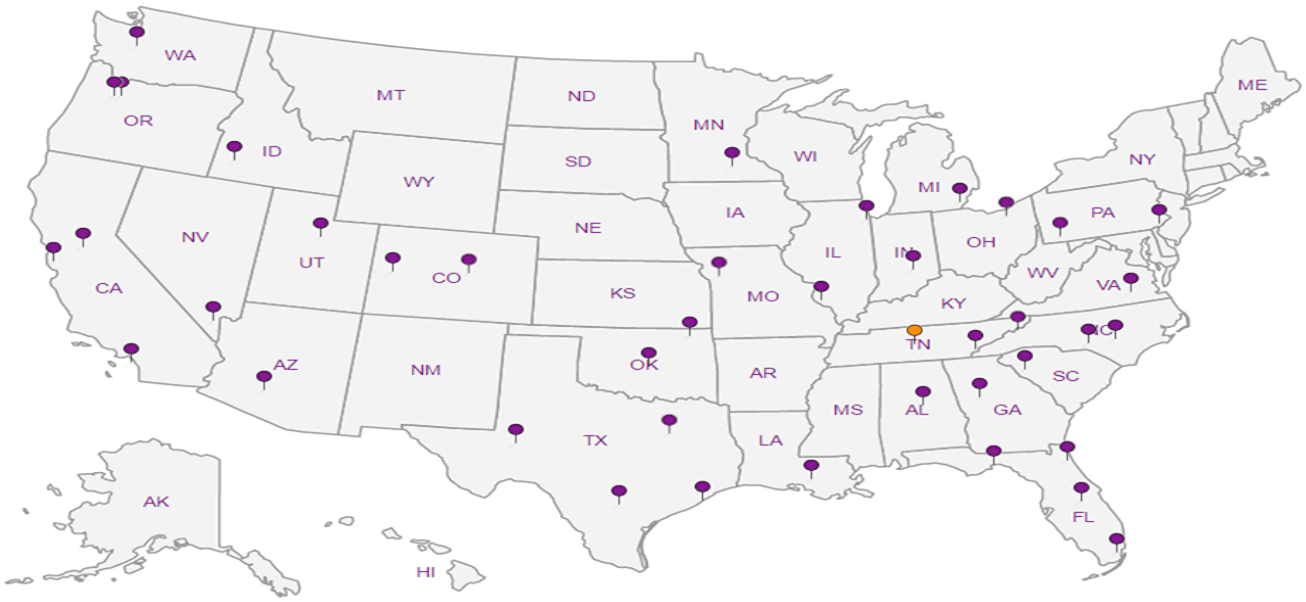
Third Party Federal Accreditations

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.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;sm

Project Description: American Linen

City/State Collected: Seattle, WA

Please Circle: PT MT CT ET

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.02.501E

Lab Project # PESENVSWA-ALP

Collected by (print): BLH/SPK/RTM

Site/Facility ID # American Linen

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed: STAT

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM RSK175LL 40mlAmb-HCl	NWTPHGX 40mlAmb HCl	TOC 250mlHDPE-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	VOCs LL 8260D 40mlAmb-HCl				
							<2	<2									
MW-145R-040220	Grab	GW	75	4/2/20	850	12	X	X	X	X	X	X	X				-01
MW-144R-040220		GW	45		1030	12	X	X	X	X	X	X	X				-02
~~MW102~~ (BH)		GW															-03
MW102-040220		GW	120		1300	12	X	X	X	X	X	X	X				-03
MW-190-040220		GW	83.5		1435	12	X	X	X	X	X	X	X				-04
TB-040220		GW	-		1630	2				X			X				-05
		GW															
		GW															
		GW															
		GW															

Chain of Custody Page 1 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

SDG # L1205456

Table # E043

Acctnum: PESENVSWA

Template: T165314

Prelogin: P763876

PM: 110 - Brian Ford

PB:

Shipped Via:

Remarks | Sample # (lab only)

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

Remarks: *Nitrate has a 48 hour holding time.
Cooler 1 of 3

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1676 2749 8164

Sample Receipt Checklist

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

	Date:	Time:		
Relinquished by : (Signature)	4-2-20	1630	Received by: (Signature)	Trip Blank Received: Yes / No (5) HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: WB A3 °C 2.3+.2=2.5 Bottles Received: 48
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Billy Bauer	Date: 4/3/20 Time: 0830

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 13, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1205789
Samples Received:	04/04/2020
Project Number:	1413.001.02.501E
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Brian Ford
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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MW124-040320 L1205789-01 GW

Collected by: BLH/RTM | Collected date/time: 04/03/20 08:55 | Received date/time: 04/04/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1457347	1	04/08/20 16:21	04/08/20 16:21	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455548	1	04/04/20 16:12	04/04/20 16:12	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1457464	1	04/08/20 18:25	04/08/20 18:25	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455814	1	04/06/20 06:06	04/06/20 13:31	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456436	1	04/07/20 00:31	04/07/20 00:31	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1456588	1	04/07/20 13:25	04/07/20 13:25	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456237	1	04/06/20 16:42	04/06/20 16:42	DWR	Mt. Juliet, TN

W-MW-01-040320 L1205789-02 GW

Collected by: BLH/RTM | Collected date/time: 04/03/20 09:10 | Received date/time: 04/04/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1457347	1	04/08/20 16:39	04/08/20 16:39	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455548	1	04/04/20 16:38	04/04/20 16:38	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1457464	1	04/08/20 18:41	04/08/20 18:41	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455814	1	04/06/20 06:06	04/06/20 13:44	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456436	1	04/07/20 00:52	04/07/20 00:52	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1456588	1	04/07/20 13:55	04/07/20 13:55	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456237	1	04/06/20 17:01	04/06/20 17:01	DWR	Mt. Juliet, TN

MW-927-040320 L1205789-03 GW

Collected by: BLH/RTM | Collected date/time: 04/03/20 09:30 | Received date/time: 04/04/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1457347	1	04/08/20 16:49	04/08/20 16:49	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455548	1	04/04/20 17:30	04/04/20 17:30	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1457464	1	04/08/20 18:53	04/08/20 18:53	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455814	1	04/06/20 06:06	04/06/20 13:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456436	1	04/07/20 01:14	04/07/20 01:14	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1456588	1	04/07/20 13:57	04/07/20 13:57	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456237	1	04/06/20 17:20	04/06/20 17:20	DWR	Mt. Juliet, TN

MW-189-040320 L1205789-04 GW

Collected by: BLH/RTM | Collected date/time: 04/03/20 11:10 | Received date/time: 04/04/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1457347	1	04/08/20 16:58	04/08/20 16:58	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455548	1	04/04/20 17:43	04/04/20 17:43	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1457464	1	04/08/20 20:19	04/08/20 20:19	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455814	1	04/06/20 06:06	04/06/20 13:51	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456436	1	04/07/20 01:35	04/07/20 01:35	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1456588	1	04/07/20 14:01	04/07/20 14:01	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456237	1	04/06/20 17:39	04/06/20 17:39	DWR	Mt. Juliet, TN

MW107-040320 L1205789-05 GW

Collected by: BLH/RTM | Collected date/time: 04/03/20 11:15 | Received date/time: 04/04/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1457347	1	04/08/20 17:07	04/08/20 17:07	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455548	1	04/04/20 17:56	04/04/20 17:56	ST	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455548	5	04/04/20 18:09	04/04/20 18:09	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1457464	1	04/08/20 20:42	04/08/20 20:42	VRP	Mt. Juliet, TN

MW107-040320 L1205789-05 GW

Collected by: BLH/RTM | Collected date/time: 04/03/20 11:15 | Received date/time: 04/04/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1455814	1	04/06/20 06:06	04/06/20 13:55	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456436	1	04/07/20 01:57	04/07/20 01:57	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1456588	1	04/07/20 14:03	04/07/20 14:03	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1456921	10	04/08/20 13:10	04/08/20 13:10	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456237	1	04/06/20 17:58	04/06/20 17:58	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1458866	25	04/10/20 18:48	04/10/20 18:48	BMB	Mt. Juliet, TN

EQ-040320 L1205789-06 GW

Collected by: BLH/RTM | Collected date/time: 04/03/20 12:30 | Received date/time: 04/04/20 08:30

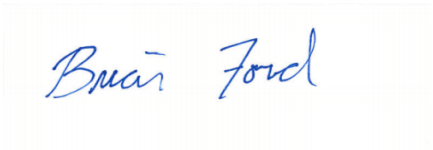
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1457347	1	04/08/20 17:15	04/08/20 17:15	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455548	1	04/04/20 18:22	04/04/20 18:22	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1457464	1	04/08/20 20:55	04/08/20 20:55	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455814	1	04/06/20 06:06	04/06/20 14:41	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456436	1	04/07/20 02:18	04/07/20 02:18	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1456588	1	04/07/20 14:08	04/07/20 14:08	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456237	1	04/06/20 18:17	04/06/20 18:17	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1458866	1	04/10/20 19:08	04/10/20 19:08	BMB	Mt. Juliet, TN

MW-161-040320 L1205789-07 GW

Collected by: BLH/RTM | Collected date/time: 04/03/20 12:55 | Received date/time: 04/04/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1457347	1	04/08/20 17:24	04/08/20 17:24	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1455548	1	04/04/20 18:35	04/04/20 18:35	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1457464	1	04/08/20 21:08	04/08/20 21:08	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1455814	1	04/06/20 06:06	04/06/20 14:45	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1456436	1	04/07/20 02:40	04/07/20 02:40	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1456588	1	04/07/20 14:10	04/07/20 14:10	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1456237	1	04/06/20 18:36	04/06/20 18:36	DWR	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.



Brian Ford
Project Manager

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	163000		8450	20000	1	04/08/2020 16:21	WG1457347

Sample Narrative:

L1205789-01 WG1457347: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	4610		51.9	1000	1	04/04/2020 16:12	WG1455548
Nitrate	26.9	J	22.7	100	1	04/04/2020 16:12	WG1455548
Sulfate	894	J	77.4	5000	1	04/04/2020 16:12	WG1455548

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1870	B	102	1000	1	04/08/2020 18:25	WG1457464

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	6360	J5	15.0	100	1	04/06/2020 13:31	WG1455814
Manganese	468	V	0.250	5.00	1	04/06/2020 13:31	WG1455814

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	38.9	B J	31.6	100	1	04/07/2020 00:31	WG1456436
(S) a,a,a-Trifluorotoluene(FID)	*113*			*78.0-120*		*04/07/2020 00:31*	WG1456436

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	42.2		0.287	0.678	1	04/07/2020 13:25	WG1456588
Ethane	U		0.296	1.29	1	04/07/2020 13:25	WG1456588
Ethene	U		0.422	1.27	1	04/07/2020 13:25	WG1456588

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/06/2020 16:42	WG1456237
Acrylonitrile	U		0.873	5.00	1	04/06/2020 16:42	WG1456237
Benzene	U		0.0896	0.500	1	04/06/2020 16:42	WG1456237
Bromobenzene	U		0.133	0.500	1	04/06/2020 16:42	WG1456237
Bromodichloromethane	U		0.0800	0.500	1	04/06/2020 16:42	WG1456237
Bromochloromethane	U		0.145	0.500	1	04/06/2020 16:42	WG1456237
Bromoform	U		0.186	0.500	1	04/06/2020 16:42	WG1456237
Bromomethane	U		0.157	2.50	1	04/06/2020 16:42	WG1456237
n-Butylbenzene	U		0.143	0.500	1	04/06/2020 16:42	WG1456237
sec-Butylbenzene	U		0.134	0.500	1	04/06/2020 16:42	WG1456237
tert-Butylbenzene	U		0.183	0.500	1	04/06/2020 16:42	WG1456237
Carbon disulfide	U		0.101	0.500	1	04/06/2020 16:42	WG1456237
Carbon tetrachloride	U		0.159	0.500	1	04/06/2020 16:42	WG1456237

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/06/2020 16:42	WG1456237
Chlorodibromomethane	U		0.128	0.500	1	04/06/2020 16:42	WG1456237
Chloroethane	U		0.141	2.50	1	04/06/2020 16:42	WG1456237
Chloroform	U		0.0860	0.500	1	04/06/2020 16:42	WG1456237
Chloromethane	U		0.153	1.25	1	04/06/2020 16:42	WG1456237
2-Chlorotoluene	U		0.111	0.500	1	04/06/2020 16:42	WG1456237
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2020 16:42	WG1456237
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2020 16:42	WG1456237
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2020 16:42	WG1456237
Dibromomethane	U		0.117	0.500	1	04/06/2020 16:42	WG1456237
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2020 16:42	WG1456237
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2020 16:42	WG1456237
1,4-Dichlorobenzene	U	J4	0.121	0.500	1	04/06/2020 16:42	WG1456237
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2020 16:42	WG1456237
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2020 16:42	WG1456237
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2020 16:42	WG1456237
1,1-Dichloroethene	U		0.188	0.500	1	04/06/2020 16:42	WG1456237
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/06/2020 16:42	WG1456237
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/06/2020 16:42	WG1456237
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2020 16:42	WG1456237
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2020 16:42	WG1456237
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2020 16:42	WG1456237
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2020 16:42	WG1456237
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2020 16:42	WG1456237
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2020 16:42	WG1456237
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2020 16:42	WG1456237
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2020 16:42	WG1456237
Ethylbenzene	U		0.158	0.500	1	04/06/2020 16:42	WG1456237
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2020 16:42	WG1456237
2-Hexanone	U		0.757	5.00	1	04/06/2020 16:42	WG1456237
n-Hexane	U		0.305	5.00	1	04/06/2020 16:42	WG1456237
Iodomethane	U		0.377	10.0	1	04/06/2020 16:42	WG1456237
Isopropylbenzene	U		0.126	0.500	1	04/06/2020 16:42	WG1456237
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2020 16:42	WG1456237
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/06/2020 16:42	WG1456237
Methylene Chloride	U		1.07	2.50	1	04/06/2020 16:42	WG1456237
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2020 16:42	WG1456237
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2020 16:42	WG1456237
Naphthalene	U		0.174	2.50	1	04/06/2020 16:42	WG1456237
n-Propylbenzene	U		0.162	0.500	1	04/06/2020 16:42	WG1456237
Styrene	U		0.117	0.500	1	04/06/2020 16:42	WG1456237
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2020 16:42	WG1456237
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2020 16:42	WG1456237
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2020 16:42	WG1456237
Tetrachloroethene	U		0.199	0.500	1	04/06/2020 16:42	WG1456237
Toluene	U		0.412	0.500	1	04/06/2020 16:42	WG1456237
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2020 16:42	WG1456237
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2020 16:42	WG1456237
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2020 16:42	WG1456237
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2020 16:42	WG1456237
Trichloroethene	U		0.153	0.500	1	04/06/2020 16:42	WG1456237
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2020 16:42	WG1456237
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2020 16:42	WG1456237
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2020 16:42	WG1456237
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2020 16:42	WG1456237
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2020 16:42	WG1456237

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/06/2020 16:42	WG1456237
Vinyl chloride	U		0.118	0.500	1	04/06/2020 16:42	WG1456237
Xylenes, Total	U		0.316	1.50	1	04/06/2020 16:42	WG1456237
(S) Toluene-d8	*101*			*80.0-120*		*04/06/2020 16:42*	WG1456237
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/06/2020 16:42*	WG1456237
(S) 1,2-Dichloroethane-d4	*99.0*			*70.0-130*		*04/06/2020 16:42*	WG1456237

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	231000		8450	20000	1	04/08/2020 16:39	WG1457347

Sample Narrative:
L1205789-02 WG1457347: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	28200		51.9	1000	1	04/04/2020 16:38	WG1455548
Nitrate	U		22.7	100	1	04/04/2020 16:38	WG1455548
Sulfate	66300		77.4	5000	1	04/04/2020 16:38	WG1455548

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2080	B	102	1000	1	04/08/2020 18:41	WG1457464

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	389		15.0	100	1	04/06/2020 13:44	WG1455814
Manganese	288		0.250	5.00	1	04/06/2020 13:44	WG1455814

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/07/2020 00:52	WG1456436
(S) a,a,a-Trifluorotoluene(FID)	*113*			*78.0-120*		*04/07/2020 00:52*	WG1456436

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	296		0.287	0.678	1	04/07/2020 13:55	WG1456588
Ethane	U		0.296	1.29	1	04/07/2020 13:55	WG1456588
Ethene	U		0.422	1.27	1	04/07/2020 13:55	WG1456588

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/06/2020 17:01	WG1456237
Acrylonitrile	U		0.873	5.00	1	04/06/2020 17:01	WG1456237
Benzene	U		0.0896	0.500	1	04/06/2020 17:01	WG1456237
Bromobenzene	U		0.133	0.500	1	04/06/2020 17:01	WG1456237
Bromodichloromethane	U		0.0800	0.500	1	04/06/2020 17:01	WG1456237
Bromochloromethane	U		0.145	0.500	1	04/06/2020 17:01	WG1456237
Bromoform	U		0.186	0.500	1	04/06/2020 17:01	WG1456237
Bromomethane	U		0.157	2.50	1	04/06/2020 17:01	WG1456237
n-Butylbenzene	U		0.143	0.500	1	04/06/2020 17:01	WG1456237
sec-Butylbenzene	U		0.134	0.500	1	04/06/2020 17:01	WG1456237
tert-Butylbenzene	U		0.183	0.500	1	04/06/2020 17:01	WG1456237
Carbon disulfide	U		0.101	0.500	1	04/06/2020 17:01	WG1456237
Carbon tetrachloride	U		0.159	0.500	1	04/06/2020 17:01	WG1456237

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/06/2020 17:01	WG1456237
Chlorodibromomethane	U		0.128	0.500	1	04/06/2020 17:01	WG1456237
Chloroethane	U		0.141	2.50	1	04/06/2020 17:01	WG1456237
Chloroform	U		0.0860	0.500	1	04/06/2020 17:01	WG1456237
Chloromethane	U		0.153	1.25	1	04/06/2020 17:01	WG1456237
2-Chlorotoluene	U		0.111	0.500	1	04/06/2020 17:01	WG1456237
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2020 17:01	WG1456237
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2020 17:01	WG1456237
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2020 17:01	WG1456237
Dibromomethane	U		0.117	0.500	1	04/06/2020 17:01	WG1456237
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2020 17:01	WG1456237
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2020 17:01	WG1456237
1,4-Dichlorobenzene	U	J4	0.121	0.500	1	04/06/2020 17:01	WG1456237
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2020 17:01	WG1456237
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2020 17:01	WG1456237
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2020 17:01	WG1456237
1,1-Dichloroethene	U		0.188	0.500	1	04/06/2020 17:01	WG1456237
cis-1,2-Dichloroethene	0.588		0.0933	0.500	1	04/06/2020 17:01	WG1456237
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/06/2020 17:01	WG1456237
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2020 17:01	WG1456237
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2020 17:01	WG1456237
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2020 17:01	WG1456237
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2020 17:01	WG1456237
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2020 17:01	WG1456237
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2020 17:01	WG1456237
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2020 17:01	WG1456237
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2020 17:01	WG1456237
Ethylbenzene	U		0.158	0.500	1	04/06/2020 17:01	WG1456237
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2020 17:01	WG1456237
2-Hexanone	U		0.757	5.00	1	04/06/2020 17:01	WG1456237
n-Hexane	U		0.305	5.00	1	04/06/2020 17:01	WG1456237
Iodomethane	U		0.377	10.0	1	04/06/2020 17:01	WG1456237
Isopropylbenzene	U		0.126	0.500	1	04/06/2020 17:01	WG1456237
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2020 17:01	WG1456237
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/06/2020 17:01	WG1456237
Methylene Chloride	U		1.07	2.50	1	04/06/2020 17:01	WG1456237
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2020 17:01	WG1456237
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2020 17:01	WG1456237
Naphthalene	U		0.174	2.50	1	04/06/2020 17:01	WG1456237
n-Propylbenzene	U		0.162	0.500	1	04/06/2020 17:01	WG1456237
Styrene	U		0.117	0.500	1	04/06/2020 17:01	WG1456237
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2020 17:01	WG1456237
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2020 17:01	WG1456237
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2020 17:01	WG1456237
Tetrachloroethene	U		0.199	0.500	1	04/06/2020 17:01	WG1456237
Toluene	U		0.412	0.500	1	04/06/2020 17:01	WG1456237
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2020 17:01	WG1456237
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2020 17:01	WG1456237
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2020 17:01	WG1456237
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2020 17:01	WG1456237
Trichloroethene	0.244	J	0.153	0.500	1	04/06/2020 17:01	WG1456237
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2020 17:01	WG1456237
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2020 17:01	WG1456237
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2020 17:01	WG1456237
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2020 17:01	WG1456237
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2020 17:01	WG1456237

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/06/2020 17:01	WG1456237
Vinyl chloride	3.79		0.118	0.500	1	04/06/2020 17:01	WG1456237
Xylenes, Total	U		0.316	1.50	1	04/06/2020 17:01	WG1456237
(S) Toluene-d8	*102*			*80.0-120*		*04/06/2020 17:01*	WG1456237
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*04/06/2020 17:01*	WG1456237
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*04/06/2020 17:01*	WG1456237

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	169000		8450	20000	1	04/08/2020 16:49	WG1457347

Sample Narrative:

L1205789-03 WG1457347: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	12700		51.9	1000	1	04/04/2020 17:30	WG1455548
Nitrate	35.4	J	22.7	100	1	04/04/2020 17:30	WG1455548
Sulfate	39600		77.4	5000	1	04/04/2020 17:30	WG1455548

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1480	B	102	1000	1	04/08/2020 18:53	WG1457464

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	1220		15.0	100	1	04/06/2020 13:48	WG1455814
Manganese	652		0.250	5.00	1	04/06/2020 13:48	WG1455814

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/07/2020 01:14	WG1456436
(S) a,a,a-Trifluorotoluene(FID)	*112*			*78.0-120*		*04/07/2020 01:14*	WG1456436

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	77.1		0.287	0.678	1	04/07/2020 13:57	WG1456588
Ethane	U		0.296	1.29	1	04/07/2020 13:57	WG1456588
Ethene	15.2		0.422	1.27	1	04/07/2020 13:57	WG1456588

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/06/2020 17:20	WG1456237
Acrylonitrile	U		0.873	5.00	1	04/06/2020 17:20	WG1456237
Benzene	U		0.0896	0.500	1	04/06/2020 17:20	WG1456237
Bromobenzene	U		0.133	0.500	1	04/06/2020 17:20	WG1456237
Bromodichloromethane	U		0.0800	0.500	1	04/06/2020 17:20	WG1456237
Bromochloromethane	U		0.145	0.500	1	04/06/2020 17:20	WG1456237
Bromoform	U		0.186	0.500	1	04/06/2020 17:20	WG1456237
Bromomethane	U		0.157	2.50	1	04/06/2020 17:20	WG1456237
n-Butylbenzene	U		0.143	0.500	1	04/06/2020 17:20	WG1456237
sec-Butylbenzene	U		0.134	0.500	1	04/06/2020 17:20	WG1456237
tert-Butylbenzene	U		0.183	0.500	1	04/06/2020 17:20	WG1456237
Carbon disulfide	U		0.101	0.500	1	04/06/2020 17:20	WG1456237
Carbon tetrachloride	U		0.159	0.500	1	04/06/2020 17:20	WG1456237

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/06/2020 17:20	WG1456237
Chlorodibromomethane	U		0.128	0.500	1	04/06/2020 17:20	WG1456237
Chloroethane	U		0.141	2.50	1	04/06/2020 17:20	WG1456237
Chloroform	U		0.0860	0.500	1	04/06/2020 17:20	WG1456237
Chloromethane	U		0.153	1.25	1	04/06/2020 17:20	WG1456237
2-Chlorotoluene	U		0.111	0.500	1	04/06/2020 17:20	WG1456237
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2020 17:20	WG1456237
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2020 17:20	WG1456237
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2020 17:20	WG1456237
Dibromomethane	U		0.117	0.500	1	04/06/2020 17:20	WG1456237
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2020 17:20	WG1456237
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2020 17:20	WG1456237
1,4-Dichlorobenzene	U	J4	0.121	0.500	1	04/06/2020 17:20	WG1456237
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2020 17:20	WG1456237
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2020 17:20	WG1456237
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2020 17:20	WG1456237
1,1-Dichloroethene	U		0.188	0.500	1	04/06/2020 17:20	WG1456237
cis-1,2-Dichloroethene	0.449	J	0.0933	0.500	1	04/06/2020 17:20	WG1456237
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/06/2020 17:20	WG1456237
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2020 17:20	WG1456237
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2020 17:20	WG1456237
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2020 17:20	WG1456237
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2020 17:20	WG1456237
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2020 17:20	WG1456237
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2020 17:20	WG1456237
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2020 17:20	WG1456237
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2020 17:20	WG1456237
Ethylbenzene	U		0.158	0.500	1	04/06/2020 17:20	WG1456237
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2020 17:20	WG1456237
2-Hexanone	U		0.757	5.00	1	04/06/2020 17:20	WG1456237
n-Hexane	U		0.305	5.00	1	04/06/2020 17:20	WG1456237
Iodomethane	U		0.377	10.0	1	04/06/2020 17:20	WG1456237
Isopropylbenzene	U		0.126	0.500	1	04/06/2020 17:20	WG1456237
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2020 17:20	WG1456237
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/06/2020 17:20	WG1456237
Methylene Chloride	U		1.07	2.50	1	04/06/2020 17:20	WG1456237
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2020 17:20	WG1456237
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2020 17:20	WG1456237
Naphthalene	U		0.174	2.50	1	04/06/2020 17:20	WG1456237
n-Propylbenzene	U		0.162	0.500	1	04/06/2020 17:20	WG1456237
Styrene	U		0.117	0.500	1	04/06/2020 17:20	WG1456237
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2020 17:20	WG1456237
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2020 17:20	WG1456237
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2020 17:20	WG1456237
Tetrachloroethene	U		0.199	0.500	1	04/06/2020 17:20	WG1456237
Toluene	U		0.412	0.500	1	04/06/2020 17:20	WG1456237
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2020 17:20	WG1456237
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2020 17:20	WG1456237
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2020 17:20	WG1456237
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2020 17:20	WG1456237
Trichloroethene	U		0.153	0.500	1	04/06/2020 17:20	WG1456237
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2020 17:20	WG1456237
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2020 17:20	WG1456237
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2020 17:20	WG1456237
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2020 17:20	WG1456237
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2020 17:20	WG1456237

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/06/2020 17:20	WG1456237
Vinyl chloride	1.55		0.118	0.500	1	04/06/2020 17:20	WG1456237
Xylenes, Total	U		0.316	1.50	1	04/06/2020 17:20	WG1456237
(S) Toluene-d8	*101*			*80.0-120*		*04/06/2020 17:20*	WG1456237
(S) 4-Bromofluorobenzene	*99.1*			*77.0-126*		*04/06/2020 17:20*	WG1456237
(S) 1,2-Dichloroethane-d4	*97.5*			*70.0-130*		*04/06/2020 17:20*	WG1456237

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	170000		8450	20000	1	04/08/2020 16:58	WG1457347

Sample Narrative:

L1205789-04 WG1457347: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	12600		51.9	1000	1	04/04/2020 17:43	WG1455548
Nitrate	U		22.7	100	1	04/04/2020 17:43	WG1455548
Sulfate	40000		77.4	5000	1	04/04/2020 17:43	WG1455548

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1490	B	102	1000	1	04/08/2020 20:19	WG1457464

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	1160		15.0	100	1	04/06/2020 13:51	WG1455814
Manganese	658		0.250	5.00	1	04/06/2020 13:51	WG1455814

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/07/2020 01:35	WG1456436
(S) a,a,a-Trifluorotoluene(FID)	*112*			*78.0-120*		*04/07/2020 01:35*	WG1456436

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	68.5		0.287	0.678	1	04/07/2020 14:01	WG1456588
Ethane	U		0.296	1.29	1	04/07/2020 14:01	WG1456588
Ethene	16.6		0.422	1.27	1	04/07/2020 14:01	WG1456588

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/06/2020 17:39	WG1456237
Acrylonitrile	U		0.873	5.00	1	04/06/2020 17:39	WG1456237
Benzene	U		0.0896	0.500	1	04/06/2020 17:39	WG1456237
Bromobenzene	U		0.133	0.500	1	04/06/2020 17:39	WG1456237
Bromodichloromethane	U		0.0800	0.500	1	04/06/2020 17:39	WG1456237
Bromochloromethane	U		0.145	0.500	1	04/06/2020 17:39	WG1456237
Bromoform	U		0.186	0.500	1	04/06/2020 17:39	WG1456237
Bromomethane	U		0.157	2.50	1	04/06/2020 17:39	WG1456237
n-Butylbenzene	U		0.143	0.500	1	04/06/2020 17:39	WG1456237
sec-Butylbenzene	U		0.134	0.500	1	04/06/2020 17:39	WG1456237
tert-Butylbenzene	U		0.183	0.500	1	04/06/2020 17:39	WG1456237
Carbon disulfide	U		0.101	0.500	1	04/06/2020 17:39	WG1456237
Carbon tetrachloride	U		0.159	0.500	1	04/06/2020 17:39	WG1456237

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/06/2020 17:39	WG1456237
Chlorodibromomethane	U		0.128	0.500	1	04/06/2020 17:39	WG1456237
Chloroethane	U		0.141	2.50	1	04/06/2020 17:39	WG1456237
Chloroform	U		0.0860	0.500	1	04/06/2020 17:39	WG1456237
Chloromethane	U		0.153	1.25	1	04/06/2020 17:39	WG1456237
2-Chlorotoluene	U		0.111	0.500	1	04/06/2020 17:39	WG1456237
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2020 17:39	WG1456237
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2020 17:39	WG1456237
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2020 17:39	WG1456237
Dibromomethane	U		0.117	0.500	1	04/06/2020 17:39	WG1456237
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2020 17:39	WG1456237
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2020 17:39	WG1456237
1,4-Dichlorobenzene	U	J4	0.121	0.500	1	04/06/2020 17:39	WG1456237
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2020 17:39	WG1456237
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2020 17:39	WG1456237
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2020 17:39	WG1456237
1,1-Dichloroethene	U		0.188	0.500	1	04/06/2020 17:39	WG1456237
cis-1,2-Dichloroethene	0.435	J	0.0933	0.500	1	04/06/2020 17:39	WG1456237
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/06/2020 17:39	WG1456237
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2020 17:39	WG1456237
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2020 17:39	WG1456237
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2020 17:39	WG1456237
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2020 17:39	WG1456237
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2020 17:39	WG1456237
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2020 17:39	WG1456237
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2020 17:39	WG1456237
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2020 17:39	WG1456237
Ethylbenzene	U		0.158	0.500	1	04/06/2020 17:39	WG1456237
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2020 17:39	WG1456237
2-Hexanone	U		0.757	5.00	1	04/06/2020 17:39	WG1456237
n-Hexane	U		0.305	5.00	1	04/06/2020 17:39	WG1456237
Iodomethane	U		0.377	10.0	1	04/06/2020 17:39	WG1456237
Isopropylbenzene	U		0.126	0.500	1	04/06/2020 17:39	WG1456237
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2020 17:39	WG1456237
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/06/2020 17:39	WG1456237
Methylene Chloride	U		1.07	2.50	1	04/06/2020 17:39	WG1456237
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2020 17:39	WG1456237
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2020 17:39	WG1456237
Naphthalene	U		0.174	2.50	1	04/06/2020 17:39	WG1456237
n-Propylbenzene	U		0.162	0.500	1	04/06/2020 17:39	WG1456237
Styrene	U		0.117	0.500	1	04/06/2020 17:39	WG1456237
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2020 17:39	WG1456237
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2020 17:39	WG1456237
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2020 17:39	WG1456237
Tetrachloroethene	U		0.199	0.500	1	04/06/2020 17:39	WG1456237
Toluene	U		0.412	0.500	1	04/06/2020 17:39	WG1456237
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2020 17:39	WG1456237
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2020 17:39	WG1456237
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2020 17:39	WG1456237
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2020 17:39	WG1456237
Trichloroethene	U		0.153	0.500	1	04/06/2020 17:39	WG1456237
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2020 17:39	WG1456237
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2020 17:39	WG1456237
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2020 17:39	WG1456237
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2020 17:39	WG1456237
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2020 17:39	WG1456237

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/06/2020 17:39	WG1456237
Vinyl chloride	1.58		0.118	0.500	1	04/06/2020 17:39	WG1456237
Xylenes, Total	U		0.316	1.50	1	04/06/2020 17:39	WG1456237
(S) Toluene-d8	*101*			*80.0-120*		*04/06/2020 17:39*	WG1456237
(S) 4-Bromofluorobenzene	*99.6*			*77.0-126*		*04/06/2020 17:39*	WG1456237
(S) 1,2-Dichloroethane-d4	*97.4*			*70.0-130*		*04/06/2020 17:39*	WG1456237

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	706000		8450	20000	1	04/08/2020 17:07	WG1457347

Sample Narrative:

L1205789-05 WG1457347: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	20100		51.9	1000	1	04/04/2020 17:56	WG1455548
Nitrate	U		22.7	100	1	04/04/2020 17:56	WG1455548
Sulfate	114000		387	25000	5	04/04/2020 18:09	WG1455548

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10800		102	1000	1	04/08/2020 20:42	WG1457464

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7490		15.0	100	1	04/06/2020 13:55	WG1455814
Manganese	879		0.250	5.00	1	04/06/2020 13:55	WG1455814

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	1420		31.6	100	1	04/07/2020 01:57	WG1456436
(S) a,a,a-Trifluorotoluene(FID)	*113*			*78.0-120*		*04/07/2020 01:57*	WG1456436

Sample Narrative:

L1205789-05 WG1456436: No discernable petroleum pattern.

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	9040		2.87	6.78	10	04/08/2020 13:10	WG1456921
Ethane	50.5		0.296	1.29	1	04/07/2020 14:03	WG1456588
Ethene	31.9		0.422	1.27	1	04/07/2020 14:03	WG1456588

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/06/2020 17:58	WG1456237
Acrylonitrile	U		0.873	5.00	1	04/06/2020 17:58	WG1456237
Benzene	0.298	J	0.0896	0.500	1	04/06/2020 17:58	WG1456237
Bromobenzene	U		0.133	0.500	1	04/06/2020 17:58	WG1456237
Bromodichloromethane	U		0.0800	0.500	1	04/06/2020 17:58	WG1456237
Bromochloromethane	U		0.145	0.500	1	04/06/2020 17:58	WG1456237
Bromoform	U		0.186	0.500	1	04/06/2020 17:58	WG1456237
Bromomethane	U		0.157	2.50	1	04/06/2020 17:58	WG1456237
n-Butylbenzene	U		0.143	0.500	1	04/06/2020 17:58	WG1456237
sec-Butylbenzene	U		0.134	0.500	1	04/06/2020 17:58	WG1456237

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
tert-Butylbenzene	U		0.183	0.500	1	04/06/2020 17:58	WG1456237
Carbon disulfide	U		0.101	0.500	1	04/06/2020 17:58	WG1456237
Carbon tetrachloride	U		0.159	0.500	1	04/06/2020 17:58	WG1456237
Chlorobenzene	U		0.140	0.500	1	04/06/2020 17:58	WG1456237
Chlorodibromomethane	U		0.128	0.500	1	04/06/2020 17:58	WG1456237
Chloroethane	2.32	J	0.141	2.50	1	04/06/2020 17:58	WG1456237
Chloroform	U		0.0860	0.500	1	04/06/2020 17:58	WG1456237
Chloromethane	U		0.153	1.25	1	04/06/2020 17:58	WG1456237
2-Chlorotoluene	U		0.111	0.500	1	04/06/2020 17:58	WG1456237
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2020 17:58	WG1456237
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2020 17:58	WG1456237
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2020 17:58	WG1456237
Dibromomethane	U		0.117	0.500	1	04/06/2020 17:58	WG1456237
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2020 17:58	WG1456237
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2020 17:58	WG1456237
1,4-Dichlorobenzene	U	J4	0.121	0.500	1	04/06/2020 17:58	WG1456237
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2020 17:58	WG1456237
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2020 17:58	WG1456237
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2020 17:58	WG1456237
1,1-Dichloroethene	14.5		0.188	0.500	1	04/06/2020 17:58	WG1456237
cis-1,2-Dichloroethene	2720		2.33	12.5	25	04/10/2020 18:48	WG1458866
trans-1,2-Dichloroethene	15.4		0.152	0.500	1	04/06/2020 17:58	WG1456237
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2020 17:58	WG1456237
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2020 17:58	WG1456237
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2020 17:58	WG1456237
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2020 17:58	WG1456237
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2020 17:58	WG1456237
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2020 17:58	WG1456237
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2020 17:58	WG1456237
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2020 17:58	WG1456237
Ethylbenzene	U		0.158	0.500	1	04/06/2020 17:58	WG1456237
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2020 17:58	WG1456237
2-Hexanone	U		0.757	5.00	1	04/06/2020 17:58	WG1456237
n-Hexane	U		0.305	5.00	1	04/06/2020 17:58	WG1456237
Iodomethane	U		0.377	10.0	1	04/06/2020 17:58	WG1456237
Isopropylbenzene	U		0.126	0.500	1	04/06/2020 17:58	WG1456237
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2020 17:58	WG1456237
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/06/2020 17:58	WG1456237
Methylene Chloride	U		1.07	2.50	1	04/06/2020 17:58	WG1456237
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2020 17:58	WG1456237
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2020 17:58	WG1456237
Naphthalene	U		0.174	2.50	1	04/06/2020 17:58	WG1456237
n-Propylbenzene	U		0.162	0.500	1	04/06/2020 17:58	WG1456237
Styrene	U		0.117	0.500	1	04/06/2020 17:58	WG1456237
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2020 17:58	WG1456237
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2020 17:58	WG1456237
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2020 17:58	WG1456237
Tetrachloroethene	63.8		0.199	0.500	1	04/06/2020 17:58	WG1456237
Toluene	U		0.412	0.500	1	04/06/2020 17:58	WG1456237
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2020 17:58	WG1456237
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2020 17:58	WG1456237
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2020 17:58	WG1456237
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2020 17:58	WG1456237
Trichloroethene	700		3.83	12.5	25	04/10/2020 18:48	WG1458866
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2020 17:58	WG1456237
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2020 17:58	WG1456237

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2020 17:58	WG1456237
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2020 17:58	WG1456237
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2020 17:58	WG1456237
Vinyl acetate	U		0.645	5.00	1	04/06/2020 17:58	WG1456237
Vinyl chloride	216		2.95	12.5	25	04/10/2020 18:48	WG1458866
Xylenes, Total	U		0.316	1.50	1	04/06/2020 17:58	WG1456237
(S) Toluene-d8	*102*			*80.0-120*		*04/06/2020 17:58*	WG1456237
(S) Toluene-d8	*114*			*80.0-120*		*04/10/2020 18:48*	WG1458866
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*04/06/2020 17:58*	WG1456237
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*04/10/2020 18:48*	WG1458866
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*04/06/2020 17:58*	WG1456237
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/10/2020 18:48*	WG1458866

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	U		8450	20000	1	04/08/2020 17:15	WG1457347

Sample Narrative:

L1205789-06 WG1457347: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	197	B J	51.9	1000	1	04/04/2020 18:22	WG1455548
Nitrate	U		22.7	100	1	04/04/2020 18:22	WG1455548
Sulfate	U		77.4	5000	1	04/04/2020 18:22	WG1455548

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	176	B J	102	1000	1	04/08/2020 20:55	WG1457464

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	U		15.0	100	1	04/06/2020 14:41	WG1455814
Manganese	0.299	J	0.250	5.00	1	04/06/2020 14:41	WG1455814

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/07/2020 02:18	WG1456436
(S) a,a,a-Trifluorotoluene(FID)	*112*			*78.0-120*		*04/07/2020 02:18*	WG1456436

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	04/07/2020 14:08	WG1456588
Ethane	U		0.296	1.29	1	04/07/2020 14:08	WG1456588
Ethene	U		0.422	1.27	1	04/07/2020 14:08	WG1456588

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.36	J	1.05	25.0	1	04/06/2020 18:17	WG1456237
Acrylonitrile	U		0.873	5.00	1	04/06/2020 18:17	WG1456237
Benzene	U		0.0896	0.500	1	04/06/2020 18:17	WG1456237
Bromobenzene	U		0.133	0.500	1	04/06/2020 18:17	WG1456237
Bromodichloromethane	U		0.0800	0.500	1	04/06/2020 18:17	WG1456237
Bromochloromethane	U		0.145	0.500	1	04/06/2020 18:17	WG1456237
Bromoform	U		0.186	0.500	1	04/06/2020 18:17	WG1456237
Bromomethane	U		0.157	2.50	1	04/06/2020 18:17	WG1456237
n-Butylbenzene	U		0.143	0.500	1	04/06/2020 18:17	WG1456237
sec-Butylbenzene	U		0.134	0.500	1	04/06/2020 18:17	WG1456237
tert-Butylbenzene	U		0.183	0.500	1	04/06/2020 18:17	WG1456237
Carbon disulfide	U		0.101	0.500	1	04/06/2020 18:17	WG1456237
Carbon tetrachloride	U		0.159	0.500	1	04/06/2020 18:17	WG1456237

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/06/2020 18:17	WG1456237
Chlorodibromomethane	U		0.128	0.500	1	04/06/2020 18:17	WG1456237
Chloroethane	U		0.141	2.50	1	04/06/2020 18:17	WG1456237
Chloroform	U		0.0860	0.500	1	04/06/2020 18:17	WG1456237
Chloromethane	U		0.153	1.25	1	04/06/2020 18:17	WG1456237
2-Chlorotoluene	U		0.111	0.500	1	04/06/2020 18:17	WG1456237
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2020 18:17	WG1456237
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2020 18:17	WG1456237
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2020 18:17	WG1456237
Dibromomethane	U		0.117	0.500	1	04/06/2020 18:17	WG1456237
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2020 18:17	WG1456237
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2020 18:17	WG1456237
1,4-Dichlorobenzene	U	J4	0.121	0.500	1	04/06/2020 18:17	WG1456237
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2020 18:17	WG1456237
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2020 18:17	WG1456237
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2020 18:17	WG1456237
1,1-Dichloroethene	U		0.188	0.500	1	04/06/2020 18:17	WG1456237
cis-1,2-Dichloroethene	0.289	J	0.0933	0.500	1	04/10/2020 19:08	WG1458866
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/06/2020 18:17	WG1456237
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2020 18:17	WG1456237
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2020 18:17	WG1456237
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2020 18:17	WG1456237
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2020 18:17	WG1456237
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2020 18:17	WG1456237
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2020 18:17	WG1456237
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2020 18:17	WG1456237
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2020 18:17	WG1456237
Ethylbenzene	U		0.158	0.500	1	04/06/2020 18:17	WG1456237
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2020 18:17	WG1456237
2-Hexanone	U		0.757	5.00	1	04/06/2020 18:17	WG1456237
n-Hexane	U		0.305	5.00	1	04/06/2020 18:17	WG1456237
Iodomethane	U		0.377	10.0	1	04/06/2020 18:17	WG1456237
Isopropylbenzene	U		0.126	0.500	1	04/06/2020 18:17	WG1456237
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2020 18:17	WG1456237
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/06/2020 18:17	WG1456237
Methylene Chloride	U		1.07	2.50	1	04/06/2020 18:17	WG1456237
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2020 18:17	WG1456237
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2020 18:17	WG1456237
Naphthalene	U		0.174	2.50	1	04/06/2020 18:17	WG1456237
n-Propylbenzene	U		0.162	0.500	1	04/06/2020 18:17	WG1456237
Styrene	U		0.117	0.500	1	04/06/2020 18:17	WG1456237
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2020 18:17	WG1456237
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2020 18:17	WG1456237
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2020 18:17	WG1456237
Tetrachloroethene	U		0.199	0.500	1	04/06/2020 18:17	WG1456237
Toluene	U		0.412	0.500	1	04/06/2020 18:17	WG1456237
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2020 18:17	WG1456237
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2020 18:17	WG1456237
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2020 18:17	WG1456237
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2020 18:17	WG1456237
Trichloroethene	U		0.153	0.500	1	04/06/2020 18:17	WG1456237
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2020 18:17	WG1456237
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2020 18:17	WG1456237
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2020 18:17	WG1456237
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2020 18:17	WG1456237
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2020 18:17	WG1456237

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/06/2020 18:17	WG1456237
Vinyl chloride	U		0.118	0.500	1	04/06/2020 18:17	WG1456237
Xylenes, Total	U		0.316	1.50	1	04/06/2020 18:17	WG1456237
(S) Toluene-d8	*102*			*80.0-120*		*04/06/2020 18:17*	WG1456237
(S) Toluene-d8	*117*			*80.0-120*		*04/10/2020 19:08*	WG1458866
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*04/06/2020 18:17*	WG1456237
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/10/2020 19:08*	WG1458866
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*04/06/2020 18:17*	WG1456237
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*04/10/2020 19:08*	WG1458866

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	233000		8450	20000	1	04/08/2020 17:24	WG1457347

Sample Narrative:

L1205789-07 WG1457347: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	16600		51.9	1000	1	04/04/2020 18:35	WG1455548
Nitrate	U		22.7	100	1	04/04/2020 18:35	WG1455548
Sulfate	8280		77.4	5000	1	04/04/2020 18:35	WG1455548

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1430	B	102	1000	1	04/08/2020 21:08	WG1457464

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	318		15.0	100	1	04/06/2020 14:45	WG1455814
Manganese	599		0.250	5.00	1	04/06/2020 14:45	WG1455814

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	49.3	B J	31.6	100	1	04/07/2020 02:40	WG1456436
(S) a,a,a-Trifluorotoluene(FID)	*112*			*78.0-120*		*04/07/2020 02:40*	WG1456436

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	528		0.287	0.678	1	04/07/2020 14:10	WG1456588
Ethane	U		0.296	1.29	1	04/07/2020 14:10	WG1456588
Ethene	U		0.422	1.27	1	04/07/2020 14:10	WG1456588

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/06/2020 18:36	WG1456237
Acrylonitrile	U		0.873	5.00	1	04/06/2020 18:36	WG1456237
Benzene	U		0.0896	0.500	1	04/06/2020 18:36	WG1456237
Bromobenzene	U		0.133	0.500	1	04/06/2020 18:36	WG1456237
Bromodichloromethane	U		0.0800	0.500	1	04/06/2020 18:36	WG1456237
Bromochloromethane	U		0.145	0.500	1	04/06/2020 18:36	WG1456237
Bromoform	U		0.186	0.500	1	04/06/2020 18:36	WG1456237
Bromomethane	U		0.157	2.50	1	04/06/2020 18:36	WG1456237
n-Butylbenzene	U		0.143	0.500	1	04/06/2020 18:36	WG1456237
sec-Butylbenzene	U		0.134	0.500	1	04/06/2020 18:36	WG1456237
tert-Butylbenzene	U		0.183	0.500	1	04/06/2020 18:36	WG1456237
Carbon disulfide	U		0.101	0.500	1	04/06/2020 18:36	WG1456237
Carbon tetrachloride	U		0.159	0.500	1	04/06/2020 18:36	WG1456237

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/06/2020 18:36	WG1456237
Chlorodibromomethane	U		0.128	0.500	1	04/06/2020 18:36	WG1456237
Chloroethane	U		0.141	2.50	1	04/06/2020 18:36	WG1456237
Chloroform	U		0.0860	0.500	1	04/06/2020 18:36	WG1456237
Chloromethane	U		0.153	1.25	1	04/06/2020 18:36	WG1456237
2-Chlorotoluene	U		0.111	0.500	1	04/06/2020 18:36	WG1456237
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2020 18:36	WG1456237
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2020 18:36	WG1456237
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2020 18:36	WG1456237
Dibromomethane	U		0.117	0.500	1	04/06/2020 18:36	WG1456237
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2020 18:36	WG1456237
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2020 18:36	WG1456237
1,4-Dichlorobenzene	U	J4	0.121	0.500	1	04/06/2020 18:36	WG1456237
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2020 18:36	WG1456237
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2020 18:36	WG1456237
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2020 18:36	WG1456237
1,1-Dichloroethene	2.67		0.188	0.500	1	04/06/2020 18:36	WG1456237
cis-1,2-Dichloroethene	23.4		0.0933	0.500	1	04/06/2020 18:36	WG1456237
trans-1,2-Dichloroethene	1.27		0.152	0.500	1	04/06/2020 18:36	WG1456237
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2020 18:36	WG1456237
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2020 18:36	WG1456237
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2020 18:36	WG1456237
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2020 18:36	WG1456237
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2020 18:36	WG1456237
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2020 18:36	WG1456237
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2020 18:36	WG1456237
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2020 18:36	WG1456237
Ethylbenzene	U		0.158	0.500	1	04/06/2020 18:36	WG1456237
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2020 18:36	WG1456237
2-Hexanone	U		0.757	5.00	1	04/06/2020 18:36	WG1456237
n-Hexane	U		0.305	5.00	1	04/06/2020 18:36	WG1456237
Iodomethane	U		0.377	10.0	1	04/06/2020 18:36	WG1456237
Isopropylbenzene	U		0.126	0.500	1	04/06/2020 18:36	WG1456237
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2020 18:36	WG1456237
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/06/2020 18:36	WG1456237
Methylene Chloride	U		1.07	2.50	1	04/06/2020 18:36	WG1456237
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2020 18:36	WG1456237
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2020 18:36	WG1456237
Naphthalene	U		0.174	2.50	1	04/06/2020 18:36	WG1456237
n-Propylbenzene	U		0.162	0.500	1	04/06/2020 18:36	WG1456237
Styrene	U		0.117	0.500	1	04/06/2020 18:36	WG1456237
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2020 18:36	WG1456237
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2020 18:36	WG1456237
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2020 18:36	WG1456237
Tetrachloroethene	16.7		0.199	0.500	1	04/06/2020 18:36	WG1456237
Toluene	U		0.412	0.500	1	04/06/2020 18:36	WG1456237
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2020 18:36	WG1456237
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2020 18:36	WG1456237
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2020 18:36	WG1456237
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2020 18:36	WG1456237
Trichloroethene	27.0		0.153	0.500	1	04/06/2020 18:36	WG1456237
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2020 18:36	WG1456237
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2020 18:36	WG1456237
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2020 18:36	WG1456237
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2020 18:36	WG1456237
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2020 18:36	WG1456237

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/06/2020 18:36	WG1456237
Vinyl chloride	1.92		0.118	0.500	1	04/06/2020 18:36	WG1456237
Xylenes, Total	U		0.316	1.50	1	04/06/2020 18:36	WG1456237
(S) Toluene-d8	*102*			*80.0-120*		*04/06/2020 18:36*	WG1456237
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*04/06/2020 18:36*	WG1456237
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/06/2020 18:36*	WG1456237

Method Blank (MB)

(MB) R3516911-1 04/08/20 15:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	U		8450	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1205789-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1205789-01 04/08/20 16:21 • (DUP) R3516911-2 04/08/20 16:30

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	163000	165000	1	1.35		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L1206205-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1206205-08 04/08/20 18:32 • (DUP) R3516911-4 04/08/20 18:37

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	5970	0.000	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3516911-3 04/08/20 17:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	100000	100	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3515732-1 04/04/20 10:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	174		51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L1205799-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1205799-06 04/04/20 12:00 • (DUP) R3515732-3 04/04/20 12:33

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	311000	312000	1	0.189	E	15
Nitrate	1420	1410	1	0.614		15
Sulfate	34600	34500	1	0.346		15

L1205789-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1205789-01 04/04/20 16:12 • (DUP) R3515732-6 04/04/20 16:25

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	4610	4510	1	2.17		15
Nitrate	26.9	24.8	1	8.12	J	15
Sulfate	894	864	1	3.49	J	15

Laboratory Control Sample (LCS)

(LCS) R3515732-2 04/04/20 10:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	38800	97.1	80.0-120	
Nitrate	8000	7870	98.3	80.0-120	
Sulfate	40000	39100	97.6	80.0-120	

L1205787-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205787-02 04/04/20 14:01 • (MS) R3515732-4 04/04/20 14:40 • (MSD) R3515732-5 04/04/20 14:53

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	53900	105000	104000	102	100	1	80.0-120	E	E	0.751	15
Nitrate	5000	25.4	4850	4860	96.6	96.8	1	80.0-120			0.206	15
Sulfate	50000	392	51500	50800	102	101	1	80.0-120			1.37	15

L1205789-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1205789-02 04/04/20 16:38 • (MS) R3515732-7 04/04/20 17:17

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	28200	77700	99.0	1	80.0-120	
Nitrate	5000	U	4940	98.8	1	80.0-120	
Sulfate	50000	66300	116000	99.8	1	80.0-120	E

Method Blank (MB)

(MB) R3517065-1 04/08/20 11:59

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	212	J	102	1000

L1205744-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1205744-01 04/08/20 15:22 • (DUP) R3517065-3 04/08/20 15:33

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	ND	289	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3517065-2 04/08/20 12:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	72500	96.7	85.0-115	

L1205744-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205744-03 04/08/20 17:08 • (MS) R3517065-4 04/08/20 17:26 • (MSD) R3517065-5 04/08/20 17:42

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	ND	49000	49600	96.9	98.1	1	80.0-120			1.20	20

Method Blank (MB)

(MB) R3516095-1 04/06/20 13:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	16.5	J	15.0	100
Manganese	U		0.250	5.00

Laboratory Control Sample (LCS)

(LCS) R3516095-2 04/06/20 13:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	5000	5130	103	80.0-120	
Manganese	50.0	51.2	102	80.0-120	

L1205789-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205789-01 04/06/20 13:31 • (MS) R3516095-4 04/06/20 13:37 • (MSD) R3516095-5 04/06/20 13:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	5000	6360	12900	15200	131	176	1	75.0-125	J5	J5	16.2	20
Manganese	50.0	468	501	536	66.6	135	1	75.0-125	V	V	6.61	20

Method Blank (MB)

(MB) R3517209-2 04/06/20 22:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	40.1	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*112*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3517209-1 04/06/20 21:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	4970	90.4	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*118*	*78.0-120*	

Method Blank (MB)

(MB) R3516363-2 04/07/20 12:30

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

L1205559-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1205559-04 04/07/20 12:33 • (DUP) R3516363-3 04/07/20 13:30

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

Laboratory Control Sample (LCS)

(LCS) R3516363-1 04/07/20 12:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methane	67.8	66.8	98.5	85.0-115	
Ethane	129	124	96.1	85.0-115	
Ethene	127	119	93.7	85.0-115	

Method Blank (MB)

(MB) R3516707-2 04/08/20 12:47

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

L1205789-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1205789-05 04/08/20 13:10 • (DUP) R3516707-3 04/08/20 13:14

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	9040	8870	10	1.90		20

Laboratory Control Sample (LCS)

(LCS) R3516707-1 04/08/20 12:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methane	67.8	66.5	98.1	85.0-115	

Method Blank (MB)

(MB) R3517489-3 04/06/20 13:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3517489-3 04/06/20 13:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*

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

(LCS) R3517489-1 04/06/20 12:04 • (LCSD) R3517489-2 04/06/20 12:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	16.8	17.3	67.2	69.2	19.0-160			2.93	27
Acrylonitrile	25.0	26.7	26.2	107	105	55.0-149			1.89	20
Benzene	5.00	4.55	4.53	91.0	90.6	70.0-123			0.441	20
Bromobenzene	5.00	4.99	4.96	99.8	99.2	73.0-121			0.603	20
Bromodichloromethane	5.00	5.56	5.55	111	111	75.0-120			0.180	20
Bromochloromethane	5.00	4.61	4.67	92.2	93.4	76.0-122			1.29	20
Bromoform	5.00	4.45	4.47	89.0	89.4	68.0-132			0.448	20
Bromomethane	5.00	5.04	4.94	101	98.8	10.0-160			2.00	25
n-Butylbenzene	5.00	3.94	3.83	78.8	76.6	73.0-125			2.83	20
sec-Butylbenzene	5.00	4.49	4.41	89.8	88.2	75.0-125			1.80	20
tert-Butylbenzene	5.00	4.68	4.64	93.6	92.8	76.0-124			0.858	20
Carbon disulfide	5.00	4.36	4.35	87.2	87.0	61.0-128			0.230	20
Carbon tetrachloride	5.00	4.88	5.37	97.6	107	68.0-126			9.56	20
Chlorobenzene	5.00	4.15	4.19	83.0	83.8	80.0-121			0.959	20
Chlorodibromomethane	5.00	4.53	4.60	90.6	92.0	77.0-125			1.53	20
Chloroethane	5.00	5.48	5.18	110	104	47.0-150			5.63	20
Chloroform	5.00	5.14	4.87	103	97.4	73.0-120			5.39	20
Chloromethane	5.00	5.21	4.76	104	95.2	41.0-142			9.03	20
2-Chlorotoluene	5.00	4.17	4.05	83.4	81.0	76.0-123			2.92	20
4-Chlorotoluene	5.00	4.51	4.48	90.2	89.6	75.0-122			0.667	20
1,2-Dibromo-3-Chloropropane	5.00	3.91	3.82	78.2	76.4	58.0-134			2.33	20
1,2-Dibromoethane	5.00	4.38	4.48	87.6	89.6	80.0-122			2.26	20
Dibromomethane	5.00	5.81	5.81	116	116	80.0-120			0.000	20
1,2-Dichlorobenzene	5.00	4.87	4.95	97.4	99.0	79.0-121			1.63	20
1,3-Dichlorobenzene	5.00	4.44	4.34	88.8	86.8	79.0-120			2.28	20
1,4-Dichlorobenzene	5.00	3.80	3.88	76.0	77.6	79.0-120	J4	J4	2.08	20
trans-1,4-Dichloro-2-butene	5.00	4.16	4.48	83.2	89.6	33.0-144			7.41	20
Dichlorodifluoromethane	5.00	5.40	5.07	108	101	51.0-149			6.30	20
1,1-Dichloroethane	5.00	5.24	5.39	105	108	70.0-126			2.82	20
1,2-Dichloroethane	5.00	4.96	5.06	99.2	101	70.0-128			2.00	20
1,1-Dichloroethene	5.00	4.01	4.07	80.2	81.4	71.0-124			1.49	20
cis-1,2-Dichloroethene	5.00	5.64	5.80	113	116	73.0-120			2.80	20
trans-1,2-Dichloroethene	5.00	4.72	4.90	94.4	98.0	73.0-120			3.74	20
1,2-Dichloropropane	5.00	4.34	4.53	86.8	90.6	77.0-125			4.28	20
1,1-Dichloropropene	5.00	4.27	4.23	85.4	84.6	74.0-126			0.941	20
1,3-Dichloropropane	5.00	4.77	4.84	95.4	96.8	80.0-120			1.46	20
cis-1,3-Dichloropropene	5.00	4.15	4.16	83.0	83.2	80.0-123			0.241	20
trans-1,3-Dichloropropene	5.00	4.33	4.40	86.6	88.0	78.0-124			1.60	20
2,2-Dichloropropane	5.00	4.46	4.53	89.2	90.6	58.0-130			1.56	20
Di-isopropyl ether	5.00	4.93	5.09	98.6	102	58.0-138			3.19	20

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

(LCS) R3517489-1 04/06/20 12:04 • (LCSD) R3517489-2 04/06/20 12:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	4.38	4.32	87.6	86.4	79.0-123			1.38	20
Hexachloro-1,3-butadiene	5.00	4.69	4.67	93.8	93.4	54.0-138			0.427	20
2-Hexanone	25.0	21.0	21.1	84.0	84.4	67.0-149			0.475	20
n-Hexane	5.00	4.75	4.70	95.0	94.0	57.0-133			1.06	20
Iodomethane	25.0	25.6	25.4	102	102	33.0-147			0.784	26
Isopropylbenzene	5.00	4.38	4.30	87.6	86.0	76.0-127			1.84	20
p-Isopropyltoluene	5.00	4.24	4.09	84.8	81.8	76.0-125			3.60	20
2-Butanone (MEK)	25.0	19.5	19.4	78.0	77.6	44.0-160			0.514	20
Methylene Chloride	5.00	4.76	5.10	95.2	102	67.0-120			6.90	20
4-Methyl-2-pentanone (MIBK)	25.0	23.5	23.5	94.0	94.0	68.0-142			0.000	20
Methyl tert-butyl ether	5.00	5.28	5.68	106	114	68.0-125			7.30	20
Naphthalene	5.00	4.43	4.47	88.6	89.4	54.0-135			0.899	20
n-Propylbenzene	5.00	4.69	4.69	93.8	93.8	77.0-124			0.000	20
Styrene	5.00	5.02	4.94	100	98.8	73.0-130			1.61	20
1,1,1,2-Tetrachloroethane	5.00	4.40	4.34	88.0	86.8	75.0-125			1.37	20
1,1,2,2-Tetrachloroethane	5.00	5.08	4.94	102	98.8	65.0-130			2.79	20
Tetrachloroethene	5.00	6.24	6.09	125	122	72.0-132			2.43	20
Toluene	5.00	4.62	4.68	92.4	93.6	79.0-120			1.29	20
1,1,2-Trichlorotrifluoroethane	5.00	4.73	4.64	94.6	92.8	69.0-132			1.92	20
1,2,3-Trichlorobenzene	5.00	4.37	4.36	87.4	87.2	50.0-138			0.229	20
1,2,4-Trichlorobenzene	5.00	4.16	4.07	83.2	81.4	57.0-137			2.19	20
1,1,1-Trichloroethane	5.00	6.12	6.14	122	123	73.0-124			0.326	20
1,1,2-Trichloroethane	5.00	4.13	4.15	82.6	83.0	80.0-120			0.483	20
Trichloroethene	5.00	4.79	4.81	95.8	96.2	78.0-124			0.417	20
Trichlorofluoromethane	5.00	3.85	4.16	77.0	83.2	59.0-147			7.74	20
1,2,3-Trichloropropane	5.00	5.00	5.10	100	102	73.0-130			1.98	20
1,2,3-Trimethylbenzene	5.00	4.23	4.14	84.6	82.8	77.0-120			2.15	20
1,2,4-Trimethylbenzene	5.00	5.03	5.17	101	103	76.0-121			2.75	20
1,3,5-Trimethylbenzene	5.00	4.82	4.81	96.4	96.2	76.0-122			0.208	20
Vinyl acetate	25.0	29.0	29.4	116	118	11.0-160			1.37	20
Vinyl chloride	5.00	5.14	5.15	103	103	67.0-131			0.194	20
Xylenes, Total	15.0	13.7	13.4	91.3	89.3	79.0-123			2.21	20
(S) Toluene-d8				*101*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*103*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*99.2*	*100*	*70.0-130*				

L1205746-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205746-02 04/06/20 16:23 • (MS) R3517489-4 04/06/20 21:27 • (MSD) R3517489-5 04/06/20 21:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	U	20.7	23.4	82.8	93.6	1	10.0-160			12.2	35
Acrylonitrile	25.0	U	24.7	32.9	98.8	132	1	21.0-160			28.5	32
Benzene	5.00	U	5.73	6.48	115	130	1	17.0-158			12.3	27
Bromobenzene	5.00	U	5.74	6.43	115	129	1	30.0-149			11.3	28
1,2-Dibromoethane	5.00	U	5.25	5.89	105	118	1	34.0-147			11.5	27
Bromodichloromethane	5.00	U	6.86	7.72	137	154	1	31.0-150		J5	11.8	27
Bromochloromethane	5.00	U	5.80	6.38	116	128	1	38.0-142			9.52	26
Bromoform	5.00	U	5.35	5.74	107	115	1	29.0-150			7.03	29
Bromomethane	5.00	U	6.33	7.02	127	140	1	10.0-160			10.3	38
n-Butylbenzene	5.00	U	4.88	5.35	97.6	107	1	31.0-150			9.19	30
sec-Butylbenzene	5.00	U	5.62	6.23	112	125	1	33.0-155			10.3	29
tert-Butylbenzene	5.00	U	5.81	6.41	116	128	1	34.0-153			9.82	28
Carbon disulfide	5.00	U	5.61	6.39	112	128	1	10.0-156			13.0	28
Carbon tetrachloride	5.00	U	7.00	8.02	140	160	1	23.0-159		J5	13.6	28
Chlorobenzene	5.00	U	5.03	5.61	101	112	1	33.0-152			10.9	27
Chlorodibromomethane	5.00	U	5.58	6.27	112	125	1	37.0-149			11.6	27
Chloroethane	5.00	U	6.75	7.48	135	150	1	10.0-160			10.3	30
Chloroform	5.00	U	6.28	6.97	126	139	1	29.0-154			10.4	28
Chloromethane	5.00	U	6.39	7.14	128	143	1	10.0-160			11.1	29
trans-1,4-Dichloro-2-butene	5.00	U	4.65	4.76	93.0	95.2	1	10.0-157			2.34	37
2-Chlorotoluene	5.00	U	5.11	5.77	102	115	1	32.0-153			12.1	28
4-Chlorotoluene	5.00	U	5.50	6.05	110	121	1	32.0-150			9.52	28
1,2-Dibromo-3-Chloropropane	5.00	U	4.96	5.28	99.2	106	1	22.0-151			6.25	34
2-Hexanone	25.0	U	25.8	27.8	103	111	1	21.0-160			7.46	29
Dibromomethane	5.00	U	6.54	7.21	131	144	1	30.0-151			9.75	27
1,2-Dichlorobenzene	5.00	U	5.95	6.61	119	132	1	34.0-149			10.5	28
n-Hexane	5.00	U	6.31	7.88	126	158	1	10.0-153		J5	22.1	28
1,3-Dichlorobenzene	5.00	U	5.34	5.92	107	118	1	36.0-146			10.3	27
Iodomethane	25.0	U	31.2	35.1	125	140	1	10.0-160			11.8	40
1,4-Dichlorobenzene	5.00	U	4.77	5.25	95.4	105	1	35.0-142			9.58	27
Dichlorodifluoromethane	5.00	U	7.08	7.68	142	154	1	10.0-160			8.13	29
1,1-Dichloroethane	5.00	U	6.76	7.35	135	147	1	25.0-158			8.36	27
1,2-Dichloroethane	5.00	U	6.24	6.73	125	135	1	29.0-151			7.56	27
1,1-Dichloroethene	5.00	U	5.12	6.34	102	127	1	11.0-160			21.3	29
cis-1,2-Dichloroethene	5.00	U	6.94	7.74	139	155	1	10.0-160			10.9	27
trans-1,2-Dichloroethene	5.00	U	5.97	7.20	119	144	1	17.0-153			18.7	27
1,2-Dichloropropane	5.00	U	5.56	6.19	111	124	1	30.0-156			10.7	27
1,1-Dichloropropene	5.00	U	5.21	6.04	104	121	1	25.0-158			14.8	27
1,3-Dichloropropane	5.00	U	5.85	6.49	117	130	1	38.0-147			10.4	27
cis-1,3-Dichloropropene	5.00	U	4.96	5.59	99.2	112	1	34.0-149			11.9	28

L1205746-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1205746-02 04/06/20 16:23 • (MS) R3517489-4 04/06/20 21:27 • (MSD) R3517489-5 04/06/20 21:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	5.00	U	5.16	5.77	103	115	1	32.0-149			11.2	28
2,2-Dichloropropane	5.00	U	6.07	6.94	121	139	1	24.0-152			13.4	29
Di-isopropyl ether	5.00	U	6.45	7.11	129	142	1	21.0-160			9.73	28
Ethylbenzene	5.00	U	5.38	5.99	108	120	1	30.0-155			10.7	27
1,2,3-Trichloropropane	5.00	U	6.01	6.52	120	130	1	34.0-151			8.14	29
Hexachloro-1,3-butadiene	5.00	U	5.55	5.78	111	116	1	20.0-154			4.06	34
Isopropylbenzene	5.00	U	5.61	6.26	112	125	1	28.0-157			11.0	27
Vinyl acetate	25.0	U	35.5	39.3	142	157	1	12.0-160			10.2	31
p-Isopropyltoluene	5.00	U	5.17	5.77	103	115	1	30.0-154			11.0	29
2-Butanone (MEK)	25.0	U	27.9	26.6	112	106	1	10.0-160			4.77	32
Methylene Chloride	5.00	U	5.58	6.03	112	121	1	23.0-144			7.75	28
4-Methyl-2-pentanone (MIBK)	25.0	U	28.8	31.1	115	124	1	29.0-160			7.68	29
Methyl tert-butyl ether	5.00	U	6.62	7.90	132	158	1	28.0-150		J5	17.6	29
Naphthalene	5.00	U	5.60	6.20	112	124	1	12.0-156			10.2	35
n-Propylbenzene	5.00	U	5.92	6.51	118	130	1	31.0-154			9.49	28
Styrene	5.00	U	6.10	6.75	122	135	1	33.0-155			10.1	28
1,1,1,2-Tetrachloroethane	5.00	U	5.49	6.01	110	120	1	36.0-151			9.04	29
1,1,2,2-Tetrachloroethane	5.00	U	6.29	6.77	126	135	1	33.0-150			7.35	28
Tetrachloroethene	5.00	U	7.76	8.54	155	171	1	10.0-160		J5	9.57	27
Toluene	5.00	U	5.76	6.43	115	129	1	26.0-154			11.0	28
1,1,2-Trichlorotrifluoroethane	5.00	U	6.20	7.45	124	149	1	23.0-160			18.3	30
1,2,3-Trichlorobenzene	5.00	U	5.33	5.77	107	115	1	17.0-150			7.93	36
1,2,4-Trichlorobenzene	5.00	U	5.17	5.55	103	111	1	24.0-150			7.09	33
1,1,1-Trichloroethane	5.00	U	7.96	8.77	159	175	1	23.0-160		J5	9.68	28
1,1,2-Trichloroethane	5.00	U	4.85	5.49	97.0	110	1	35.0-147			12.4	27
Trichloroethene	5.00	U	5.80	6.54	116	131	1	10.0-160			12.0	25
Trichlorofluoromethane	5.00	U	5.32	6.44	106	129	1	17.0-160			19.0	31
1,2,3-Trimethylbenzene	5.00	U	5.33	5.66	107	113	1	32.0-149			6.01	28
1,2,4-Trimethylbenzene	5.00	U	6.43	7.15	129	143	1	26.0-154			10.6	27
1,3,5-Trimethylbenzene	5.00	U	6.05	6.76	121	135	1	28.0-153			11.1	27
Vinyl chloride	5.00	U	6.65	7.55	133	151	1	10.0-160			12.7	27
Xylenes, Total	15.0	U	17.3	19.0	115	127	1	29.0-154			9.37	28
(S) Toluene-d8					*101*	*99.8*		*80.0-120*				
(S) 4-Bromofluorobenzene					*100*	*100*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*97.8*	*97.1*		*70.0-130*				

Method Blank (MB)

(MB) R3517726-3 04/10/20 18:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,2-Dichloroethene	U		0.0933	0.500
Trichloroethene	U		0.153	0.500
Vinyl chloride	U		0.118	0.500
(S) Toluene-d8	*118*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*

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

(LCS) R3517726-1 04/10/20 16:22 • (LCSD) R3517726-2 04/10/20 16:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,2-Dichloroethene	5.00	4.90	4.97	98.0	99.4	73.0-120			1.42	20
Trichloroethene	5.00	4.57	4.77	91.4	95.4	78.0-124			4.28	20
Vinyl chloride	5.00	4.43	4.48	88.6	89.6	67.0-131			1.12	20
(S) Toluene-d8				*116*	*113*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*99.6*	*101*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

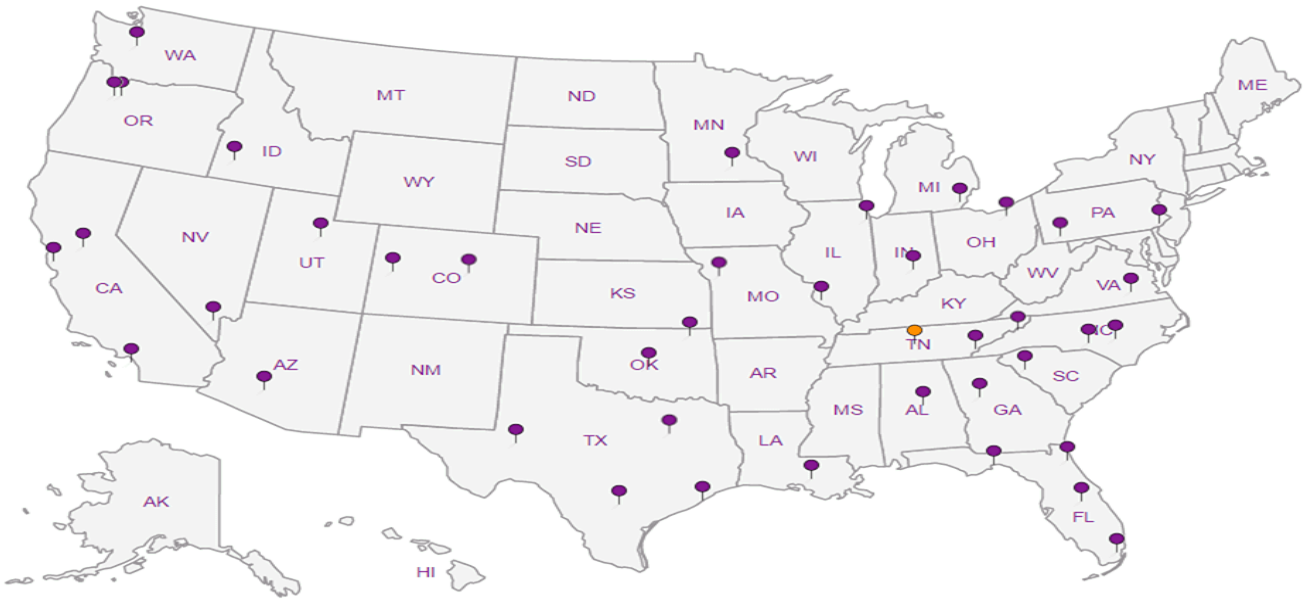
Third Party Federal Accreditations

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.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;sm

Project Description: American Linen

City/State Collected: Seattle, WA

Please Circle: PT MT CT ET

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.02.501E

Lab Project # PESENVSWA-ALP

Collected by (print): BSLH/RTM

Site/Facility ID # American Linen

P.O. #

Collected by (signature): Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed: STAT

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM RSK175LL 40mlAmb-HCl	NWTPHGX 40mlAmb HCl	TOC 250mlHDPE-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	VOCs LL 8260D 40mlAmb-HCl	Remarks	Sample # (lab only)
MW124-040320	Grab	GW	115	0855	4-3-20	12	X	X	X	X	X	X	X		-01
W-MW-01-040320		GW	75	0910		12	X	X	X	X	X	X	X		-02
MW-927-040320		GW	55	0930		12	X	X	X	X	X	X	X		-03
MW-189-040320		GW	53	1110		12	X	X	X	X	X	X	X		-04
MW107-040320		GW	40	1115		12	X	X	X	X	X	X	X		-05
EQ-040320		GW	—	1230		12	X	X	X	X	X	X	X		-06
MW-161-040320 (RW)	Grab	GW	125	1255	4-3-20	12	X	X	X	X	X	X	X		-07
		GW													
		GW													
		GW													

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

SDG # L1205789

Table # B245

Acctnum: PESENVSWA
Template: T165314
Prelogin: P763876
PM: 110 - Brian Ford
PB:

Shipped Via:

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

Remarks: *Nitrate has a 48 hour holding time.
STAT; 4 coolers

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 4794 8843 9431

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.3 °C 1.9-.2=1.7	Bottles Received: 83
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/20	Time: 7:33

Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 15, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1206575
Samples Received:	04/08/2020
Project Number:	1413.001.02.501E
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

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-214-040720 L1206575-01 GW

Collected by: Sean K
Collected date/time: 04/07/20 09:50
Received date/time: 04/08/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1457994	1	04/09/20 12:09	04/09/20 12:09	JAH	Mt. Juliet, TN

SCL-MW101-040720 L1206575-02 GW

Collected by: Sean K
Collected date/time: 04/07/20 13:45
Received date/time: 04/08/20 08:30

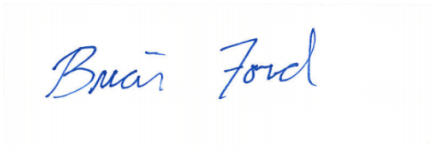
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1457994	1	04/09/20 12:30	04/09/20 12:30	JAH	Mt. Juliet, TN

MW122-040720 L1206575-03 GW

Collected by: Sean K
Collected date/time: 04/07/20 15:00
Received date/time: 04/08/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1457347	1	04/08/20 18:42	04/08/20 18:42	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1457370	1	04/08/20 14:02	04/08/20 14:02	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1458143	1	04/09/20 21:39	04/09/20 21:39	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1457865	1	04/09/20 17:14	04/09/20 20:37	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1457927	1	04/09/20 13:19	04/09/20 13:19	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1457994	1	04/09/20 12:50	04/09/20 12:50	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.



Brian Ford
Project Manager

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/09/2020 12:09	WG1457994
Acrylonitrile	U		0.873	5.00	1	04/09/2020 12:09	WG1457994
Benzene	U		0.0896	0.500	1	04/09/2020 12:09	WG1457994
Bromobenzene	U		0.133	0.500	1	04/09/2020 12:09	WG1457994
Bromodichloromethane	U		0.0800	0.500	1	04/09/2020 12:09	WG1457994
Bromochloromethane	U		0.145	0.500	1	04/09/2020 12:09	WG1457994
Bromoform	U		0.186	0.500	1	04/09/2020 12:09	WG1457994
Bromomethane	U		0.157	2.50	1	04/09/2020 12:09	WG1457994
n-Butylbenzene	U		0.143	0.500	1	04/09/2020 12:09	WG1457994
sec-Butylbenzene	U		0.134	0.500	1	04/09/2020 12:09	WG1457994
tert-Butylbenzene	U		0.183	0.500	1	04/09/2020 12:09	WG1457994
Carbon disulfide	U		0.101	0.500	1	04/09/2020 12:09	WG1457994
Carbon tetrachloride	U		0.159	0.500	1	04/09/2020 12:09	WG1457994
Chlorobenzene	U		0.140	0.500	1	04/09/2020 12:09	WG1457994
Chlorodibromomethane	U		0.128	0.500	1	04/09/2020 12:09	WG1457994
Chloroethane	U		0.141	2.50	1	04/09/2020 12:09	WG1457994
Chloroform	U		0.0860	0.500	1	04/09/2020 12:09	WG1457994
Chloromethane	U		0.153	1.25	1	04/09/2020 12:09	WG1457994
2-Chlorotoluene	U		0.111	0.500	1	04/09/2020 12:09	WG1457994
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2020 12:09	WG1457994
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2020 12:09	WG1457994
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2020 12:09	WG1457994
Dibromomethane	U		0.117	0.500	1	04/09/2020 12:09	WG1457994
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2020 12:09	WG1457994
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2020 12:09	WG1457994
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2020 12:09	WG1457994
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2020 12:09	WG1457994
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2020 12:09	WG1457994
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2020 12:09	WG1457994
1,1-Dichloroethene	U		0.188	0.500	1	04/09/2020 12:09	WG1457994
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/09/2020 12:09	WG1457994
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/09/2020 12:09	WG1457994
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2020 12:09	WG1457994
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2020 12:09	WG1457994
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2020 12:09	WG1457994
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2020 12:09	WG1457994
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2020 12:09	WG1457994
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	04/09/2020 12:09	WG1457994
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2020 12:09	WG1457994
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2020 12:09	WG1457994
Ethylbenzene	U		0.158	0.500	1	04/09/2020 12:09	WG1457994
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2020 12:09	WG1457994
2-Hexanone	U		0.757	5.00	1	04/09/2020 12:09	WG1457994
n-Hexane	U		0.305	5.00	1	04/09/2020 12:09	WG1457994
Iodomethane	U		0.377	10.0	1	04/09/2020 12:09	WG1457994
Isopropylbenzene	U		0.126	0.500	1	04/09/2020 12:09	WG1457994
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2020 12:09	WG1457994
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2020 12:09	WG1457994
Methylene Chloride	U		1.07	2.50	1	04/09/2020 12:09	WG1457994
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2020 12:09	WG1457994
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2020 12:09	WG1457994
Naphthalene	U		0.174	2.50	1	04/09/2020 12:09	WG1457994
n-Propylbenzene	U		0.162	0.500	1	04/09/2020 12:09	WG1457994
Styrene	U		0.117	0.500	1	04/09/2020 12:09	WG1457994
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2020 12:09	WG1457994
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2020 12:09	WG1457994

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2020 12:09	WG1457994
Tetrachloroethene	U		0.199	0.500	1	04/09/2020 12:09	WG1457994
Toluene	U		0.412	0.500	1	04/09/2020 12:09	WG1457994
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2020 12:09	WG1457994
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2020 12:09	WG1457994
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2020 12:09	WG1457994
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2020 12:09	WG1457994
Trichloroethene	U		0.153	0.500	1	04/09/2020 12:09	WG1457994
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2020 12:09	WG1457994
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2020 12:09	WG1457994
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2020 12:09	WG1457994
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2020 12:09	WG1457994
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2020 12:09	WG1457994
Vinyl acetate	U		0.645	5.00	1	04/09/2020 12:09	WG1457994
Vinyl chloride	U		0.118	0.500	1	04/09/2020 12:09	WG1457994
Xylenes, Total	U		0.316	1.50	1	04/09/2020 12:09	WG1457994
(S) Toluene-d8	*103*			*80.0-120*		*04/09/2020 12:09*	WG1457994
(S) 4-Bromofluorobenzene	*98.6*			*77.0-126*		*04/09/2020 12:09*	WG1457994
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/09/2020 12:09*	WG1457994

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/09/2020 12:30	WG1457994
Acrylonitrile	U		0.873	5.00	1	04/09/2020 12:30	WG1457994
Benzene	7.26		0.0896	0.500	1	04/09/2020 12:30	WG1457994
Bromobenzene	U		0.133	0.500	1	04/09/2020 12:30	WG1457994
Bromodichloromethane	U		0.0800	0.500	1	04/09/2020 12:30	WG1457994
Bromochloromethane	U		0.145	0.500	1	04/09/2020 12:30	WG1457994
Bromoform	U		0.186	0.500	1	04/09/2020 12:30	WG1457994
Bromomethane	U		0.157	2.50	1	04/09/2020 12:30	WG1457994
n-Butylbenzene	4.08		0.143	0.500	1	04/09/2020 12:30	WG1457994
sec-Butylbenzene	5.16		0.134	0.500	1	04/09/2020 12:30	WG1457994
tert-Butylbenzene	0.186	J	0.183	0.500	1	04/09/2020 12:30	WG1457994
Carbon disulfide	U		0.101	0.500	1	04/09/2020 12:30	WG1457994
Carbon tetrachloride	U		0.159	0.500	1	04/09/2020 12:30	WG1457994
Chlorobenzene	U		0.140	0.500	1	04/09/2020 12:30	WG1457994
Chlorodibromomethane	U		0.128	0.500	1	04/09/2020 12:30	WG1457994
Chloroethane	U		0.141	2.50	1	04/09/2020 12:30	WG1457994
Chloroform	U		0.0860	0.500	1	04/09/2020 12:30	WG1457994
Chloromethane	U		0.153	1.25	1	04/09/2020 12:30	WG1457994
2-Chlorotoluene	U		0.111	0.500	1	04/09/2020 12:30	WG1457994
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2020 12:30	WG1457994
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2020 12:30	WG1457994
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2020 12:30	WG1457994
Dibromomethane	U		0.117	0.500	1	04/09/2020 12:30	WG1457994
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2020 12:30	WG1457994
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2020 12:30	WG1457994
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2020 12:30	WG1457994
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2020 12:30	WG1457994
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2020 12:30	WG1457994
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2020 12:30	WG1457994
1,1-Dichloroethene	U		0.188	0.500	1	04/09/2020 12:30	WG1457994
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/09/2020 12:30	WG1457994
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/09/2020 12:30	WG1457994
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2020 12:30	WG1457994
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2020 12:30	WG1457994
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2020 12:30	WG1457994
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2020 12:30	WG1457994
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2020 12:30	WG1457994
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	04/09/2020 12:30	WG1457994
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2020 12:30	WG1457994
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2020 12:30	WG1457994
Ethylbenzene	5.54		0.158	0.500	1	04/09/2020 12:30	WG1457994
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2020 12:30	WG1457994
2-Hexanone	U		0.757	5.00	1	04/09/2020 12:30	WG1457994
n-Hexane	U		0.305	5.00	1	04/09/2020 12:30	WG1457994
Iodomethane	U		0.377	10.0	1	04/09/2020 12:30	WG1457994
Isopropylbenzene	17.1		0.126	0.500	1	04/09/2020 12:30	WG1457994
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2020 12:30	WG1457994
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2020 12:30	WG1457994
Methylene Chloride	U		1.07	2.50	1	04/09/2020 12:30	WG1457994
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2020 12:30	WG1457994
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2020 12:30	WG1457994
Naphthalene	9.28		0.174	2.50	1	04/09/2020 12:30	WG1457994
n-Propylbenzene	39.9		0.162	0.500	1	04/09/2020 12:30	WG1457994
Styrene	U		0.117	0.500	1	04/09/2020 12:30	WG1457994
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2020 12:30	WG1457994
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2020 12:30	WG1457994

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2020 12:30	WG1457994
Tetrachloroethene	U		0.199	0.500	1	04/09/2020 12:30	WG1457994
Toluene	0.868		0.412	0.500	1	04/09/2020 12:30	WG1457994
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2020 12:30	WG1457994
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2020 12:30	WG1457994
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2020 12:30	WG1457994
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2020 12:30	WG1457994
Trichloroethene	U		0.153	0.500	1	04/09/2020 12:30	WG1457994
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2020 12:30	WG1457994
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2020 12:30	WG1457994
1,2,4-Trimethylbenzene	0.970		0.123	0.500	1	04/09/2020 12:30	WG1457994
1,2,3-Trimethylbenzene	1.93		0.0739	0.500	1	04/09/2020 12:30	WG1457994
1,3,5-Trimethylbenzene	0.149	J	0.124	0.500	1	04/09/2020 12:30	WG1457994
Vinyl acetate	U		0.645	5.00	1	04/09/2020 12:30	WG1457994
Vinyl chloride	U		0.118	0.500	1	04/09/2020 12:30	WG1457994
Xylenes, Total	1.74		0.316	1.50	1	04/09/2020 12:30	WG1457994
(S) Toluene-d8	*101*			*80.0-120*		*04/09/2020 12:30*	WG1457994
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*04/09/2020 12:30*	WG1457994
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*04/09/2020 12:30*	WG1457994

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	172000		8450	20000	1	04/08/2020 18:42	WG1457347

Sample Narrative:
L1206575-03 WG1457347: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	6730		379	1000	1	04/08/2020 14:02	WG1457370
Nitrate	U		48.0	100	1	04/08/2020 14:02	WG1457370
Sulfate	4920	J	594	5000	1	04/08/2020 14:02	WG1457370

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1370	B	102	1000	1	04/09/2020 21:39	WG1458143

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	65.5	J	48.9	100	1	04/09/2020 20:37	WG1457865
Manganese	205		1.32	5.00	1	04/09/2020 20:37	WG1457865

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	04/09/2020 13:19	WG1457927
Ethane	U		0.296	1.29	1	04/09/2020 13:19	WG1457927
Ethene	U		0.422	1.27	1	04/09/2020 13:19	WG1457927

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/09/2020 12:50	WG1457994
Acrylonitrile	U		0.873	5.00	1	04/09/2020 12:50	WG1457994
Benzene	U		0.0896	0.500	1	04/09/2020 12:50	WG1457994
Bromobenzene	U		0.133	0.500	1	04/09/2020 12:50	WG1457994
Bromodichloromethane	U		0.0800	0.500	1	04/09/2020 12:50	WG1457994
Bromochloromethane	U		0.145	0.500	1	04/09/2020 12:50	WG1457994
Bromoform	U		0.186	0.500	1	04/09/2020 12:50	WG1457994
Bromomethane	U		0.157	2.50	1	04/09/2020 12:50	WG1457994
n-Butylbenzene	U		0.143	0.500	1	04/09/2020 12:50	WG1457994
sec-Butylbenzene	U		0.134	0.500	1	04/09/2020 12:50	WG1457994
tert-Butylbenzene	U		0.183	0.500	1	04/09/2020 12:50	WG1457994
Carbon disulfide	U		0.101	0.500	1	04/09/2020 12:50	WG1457994
Carbon tetrachloride	U		0.159	0.500	1	04/09/2020 12:50	WG1457994
Chlorobenzene	U		0.140	0.500	1	04/09/2020 12:50	WG1457994
Chlorodibromomethane	U		0.128	0.500	1	04/09/2020 12:50	WG1457994
Chloroethane	U		0.141	2.50	1	04/09/2020 12:50	WG1457994
Chloroform	U		0.0860	0.500	1	04/09/2020 12:50	WG1457994
Chloromethane	U		0.153	1.25	1	04/09/2020 12:50	WG1457994
2-Chlorotoluene	U		0.111	0.500	1	04/09/2020 12:50	WG1457994
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2020 12:50	WG1457994

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2020 12:50	WG1457994
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2020 12:50	WG1457994
Dibromomethane	U		0.117	0.500	1	04/09/2020 12:50	WG1457994
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2020 12:50	WG1457994
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2020 12:50	WG1457994
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2020 12:50	WG1457994
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2020 12:50	WG1457994
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2020 12:50	WG1457994
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2020 12:50	WG1457994
1,1-Dichloroethene	U		0.188	0.500	1	04/09/2020 12:50	WG1457994
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/09/2020 12:50	WG1457994
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/09/2020 12:50	WG1457994
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2020 12:50	WG1457994
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2020 12:50	WG1457994
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2020 12:50	WG1457994
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2020 12:50	WG1457994
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2020 12:50	WG1457994
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	04/09/2020 12:50	WG1457994
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2020 12:50	WG1457994
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2020 12:50	WG1457994
Ethylbenzene	U		0.158	0.500	1	04/09/2020 12:50	WG1457994
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2020 12:50	WG1457994
2-Hexanone	U		0.757	5.00	1	04/09/2020 12:50	WG1457994
n-Hexane	U		0.305	5.00	1	04/09/2020 12:50	WG1457994
Iodomethane	U		0.377	10.0	1	04/09/2020 12:50	WG1457994
Isopropylbenzene	U		0.126	0.500	1	04/09/2020 12:50	WG1457994
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2020 12:50	WG1457994
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2020 12:50	WG1457994
Methylene Chloride	U		1.07	2.50	1	04/09/2020 12:50	WG1457994
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2020 12:50	WG1457994
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2020 12:50	WG1457994
Naphthalene	U		0.174	2.50	1	04/09/2020 12:50	WG1457994
n-Propylbenzene	U		0.162	0.500	1	04/09/2020 12:50	WG1457994
Styrene	U		0.117	0.500	1	04/09/2020 12:50	WG1457994
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2020 12:50	WG1457994
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2020 12:50	WG1457994
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2020 12:50	WG1457994
Tetrachloroethene	U		0.199	0.500	1	04/09/2020 12:50	WG1457994
Toluene	U		0.412	0.500	1	04/09/2020 12:50	WG1457994
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2020 12:50	WG1457994
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2020 12:50	WG1457994
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2020 12:50	WG1457994
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2020 12:50	WG1457994
Trichloroethene	U		0.153	0.500	1	04/09/2020 12:50	WG1457994
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2020 12:50	WG1457994
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2020 12:50	WG1457994
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2020 12:50	WG1457994
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2020 12:50	WG1457994
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2020 12:50	WG1457994
Vinyl acetate	U		0.645	5.00	1	04/09/2020 12:50	WG1457994
Vinyl chloride	U		0.118	0.500	1	04/09/2020 12:50	WG1457994
Xylenes, Total	U		0.316	1.50	1	04/09/2020 12:50	WG1457994
(S) Toluene-d8	*108*			*80.0-120*		*04/09/2020 12:50*	WG1457994
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*04/09/2020 12:50*	WG1457994
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/09/2020 12:50*	WG1457994

Method Blank (MB)

(MB) R3516911-1 04/08/20 15:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	U		8450	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1205789-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1205789-01 04/08/20 16:21 • (DUP) R3516911-2 04/08/20 16:30

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	163000	165000	1	1.35		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

L1206205-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1206205-08 04/08/20 18:32 • (DUP) R3516911-4 04/08/20 18:37

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	5970	0.000	1	0.000		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3516911-3 04/08/20 17:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	100000	100	85.0-115	

Sample Narrative:
LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3516920-1 04/08/20 10:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1206564-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1206564-02 04/08/20 12:44 • (DUP) R3516920-3 04/08/20 12:31

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	3460	3420	1	1.31		15
Nitrate	1470	1460	1	1.18		15
Sulfate	ND	1950	1	0.000		15

L1206580-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1206580-02 04/08/20 18:50 • (DUP) R3516920-6 04/08/20 19:03

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	0.000	1	0.000		15
Nitrate	U	0.000	1	0.000		15
Sulfate	1490	1500	1	0.429	J	15

Laboratory Control Sample (LCS)

(LCS) R3516920-2 04/08/20 11:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39900	99.6	80.0-120	
Nitrate	8000	8420	105	80.0-120	
Sulfate	40000	41200	103	80.0-120	

L1206567-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1206567-01 04/08/20 12:57 • (MS) R3516920-4 04/08/20 17:45 • (MSD) R3516920-5 04/08/20 17:58

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	6560	56600	56900	100	101	1	80.0-120			0.441	15
Nitrate	5000	738	5970	6000	105	105	1	80.0-120			0.540	15
Sulfate	50000	32700	82600	82900	99.8	100	1	80.0-120			0.424	15

L1206580-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1206580-04 04/08/20 19:55 • (MS) R3516920-7 04/08/20 20:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	32500	80800	96.7	1	80.0-120	
Nitrate	5000	834	6030	104	1	80.0-120	
Sulfate	50000	222000	261000	76.6	1	80.0-120	E V

Method Blank (MB)

(MB) R3517372-1 04/09/20 14:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	449	J	102	1000

Laboratory Control Sample (LCS)

(LCS) R3517372-2 04/09/20 14:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	71800	95.7	85.0-115	

Method Blank (MB)

(MB) R3517306-1 04/09/20 20:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		48.9	100
Manganese	U		1.32	5.00

Laboratory Control Sample (LCS)

(LCS) R3517306-2 04/09/20 20:20

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	5000	5120	102	80.0-120	
Manganese	50.0	48.8	97.5	80.0-120	

L1206445-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1206445-05 04/09/20 20:24 • (MS) R3517306-4 04/09/20 20:31 • (MSD) R3517306-5 04/09/20 20:34

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	5000	ND	5030	4970	101	99.3	1	75.0-125			1.28	20
Manganese	50.0	15.6	66.2	63.7	101	96.2	1	75.0-125			3.84	20

Method Blank (MB)

(MB) R3517110-2 04/09/20 10:42

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

L1206567-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1206567-01 04/09/20 12:15 • (DUP) R3517110-3 04/09/20 12:59

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

Laboratory Control Sample (LCS)

(LCS) R3517110-1 04/09/20 08:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methane	67.8	66.3	97.8	85.0-115	
Ethane	129	121	93.8	85.0-115	
Ethene	127	116	91.3	85.0-115	

Method Blank (MB)

(MB) R3518192-3 04/09/20 08:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3518192-3 04/09/20 08:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

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

(LCS) R3518192-1 04/09/20 07:34 • (LCSD) R3518192-2 04/09/20 07:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	31.1	29.8	124	119	19.0-160			4.27	27
Acrylonitrile	25.0	25.6	25.0	102	100	55.0-149			2.37	20
Benzene	5.00	5.00	5.04	100	101	70.0-123			0.797	20
Bromobenzene	5.00	4.68	4.86	93.6	97.2	73.0-121			3.77	20
Bromodichloromethane	5.00	5.13	5.06	103	101	75.0-120			1.37	20
Bromochloromethane	5.00	5.46	5.62	109	112	76.0-122			2.89	20
Bromoform	5.00	5.69	5.55	114	111	68.0-132			2.49	20
Bromomethane	5.00	5.29	5.25	106	105	10.0-160			0.759	25
n-Butylbenzene	5.00	5.41	5.65	108	113	73.0-125			4.34	20
sec-Butylbenzene	5.00	5.46	5.55	109	111	75.0-125			1.63	20
tert-Butylbenzene	5.00	5.41	5.62	108	112	76.0-124			3.81	20
Carbon disulfide	5.00	5.10	5.13	102	103	61.0-128			0.587	20
Carbon tetrachloride	5.00	5.61	5.78	112	116	68.0-126			2.99	20
Chlorobenzene	5.00	5.51	5.49	110	110	80.0-121			0.364	20
Chlorodibromomethane	5.00	5.11	5.22	102	104	77.0-125			2.13	20
Chloroethane	5.00	5.35	5.19	107	104	47.0-150			3.04	20
Chloroform	5.00	5.01	5.03	100	101	73.0-120			0.398	20
Chloromethane	5.00	4.92	5.03	98.4	101	41.0-142			2.21	20
2-Chlorotoluene	5.00	5.06	5.28	101	106	76.0-123			4.26	20
4-Chlorotoluene	5.00	5.47	5.63	109	113	75.0-122			2.88	20
1,2-Dibromo-3-Chloropropane	5.00	4.84	5.19	96.8	104	58.0-134			6.98	20
1,2-Dibromoethane	5.00	5.39	5.20	108	104	80.0-122			3.59	20
Dibromomethane	5.00	5.58	5.58	112	112	80.0-120			0.000	20
1,2-Dichlorobenzene	5.00	5.26	5.45	105	109	79.0-121			3.55	20
1,3-Dichlorobenzene	5.00	5.45	5.79	109	116	79.0-120			6.05	20
1,4-Dichlorobenzene	5.00	5.04	5.13	101	103	79.0-120			1.77	20
trans-1,4-Dichloro-2-butene	5.00	3.42	3.28	68.4	65.6	33.0-144			4.18	20
Dichlorodifluoromethane	5.00	5.44	5.34	109	107	51.0-149			1.86	20
1,1-Dichloroethane	5.00	5.51	5.38	110	108	70.0-126			2.39	20
1,2-Dichloroethane	5.00	5.06	5.06	101	101	70.0-128			0.000	20
1,1-Dichloroethene	5.00	5.19	5.28	104	106	71.0-124			1.72	20
cis-1,2-Dichloroethene	5.00	5.11	5.21	102	104	73.0-120			1.94	20
trans-1,2-Dichloroethene	5.00	5.18	5.53	104	111	73.0-120			6.54	20
1,2-Dichloropropane	5.00	5.32	5.21	106	104	77.0-125			2.09	20
1,1-Dichloropropene	5.00	5.48	5.60	110	112	74.0-126			2.17	20
1,3-Dichloropropane	5.00	5.36	5.52	107	110	80.0-120			2.94	20
cis-1,3-Dichloropropene	5.00	5.50	5.56	110	111	80.0-123			1.08	20
trans-1,3-Dichloropropene	5.00	5.47	5.54	109	111	78.0-124			1.27	20
2,2-Dichloropropane	5.00	5.48	5.20	110	104	58.0-130			5.24	20
Di-isopropyl ether	5.00	5.05	5.25	101	105	58.0-138			3.88	20

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

(LCS) R3518192-1 04/09/20 07:34 • (LCSD) R3518192-2 04/09/20 07:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	5.21	5.35	104	107	79.0-123			2.65	20
Hexachloro-1,3-butadiene	5.00	5.32	5.50	106	110	54.0-138			3.33	20
2-Hexanone	25.0	27.2	27.3	109	109	67.0-149			0.367	20
n-Hexane	5.00	5.22	5.21	104	104	57.0-133			0.192	20
Iodomethane	25.0	26.4	26.3	106	105	33.0-147			0.380	26
Isopropylbenzene	5.00	5.69	5.73	114	115	76.0-127			0.701	20
p-Isopropyltoluene	5.00	5.52	5.89	110	118	76.0-125			6.49	20
2-Butanone (MEK)	25.0	24.8	24.8	99.2	99.2	44.0-160			0.000	20
Methylene Chloride	5.00	5.02	5.04	100	101	67.0-120			0.398	20
4-Methyl-2-pentanone (MIBK)	25.0	24.8	25.4	99.2	102	68.0-142			2.39	20
Methyl tert-butyl ether	5.00	5.33	5.36	107	107	68.0-125			0.561	20
Naphthalene	5.00	5.05	5.25	101	105	54.0-135			3.88	20
n-Propylbenzene	5.00	5.01	5.17	100	103	77.0-124			3.14	20
Styrene	5.00	5.60	5.78	112	116	73.0-130			3.16	20
1,1,1,2-Tetrachloroethane	5.00	5.28	5.40	106	108	75.0-125			2.25	20
1,1,2,2-Tetrachloroethane	5.00	4.76	5.19	95.2	104	65.0-130			8.64	20
Tetrachloroethene	5.00	6.13	5.62	123	112	72.0-132			8.68	20
Toluene	5.00	5.09	5.07	102	101	79.0-120			0.394	20
1,1,2-Trichlorotrifluoroethane	5.00	5.30	5.12	106	102	69.0-132			3.45	20
1,2,3-Trichlorobenzene	5.00	5.15	5.19	103	104	50.0-138			0.774	20
1,2,4-Trichlorobenzene	5.00	5.24	5.51	105	110	57.0-137			5.02	20
1,1,1-Trichloroethane	5.00	5.38	5.28	108	106	73.0-124			1.88	20
1,1,2-Trichloroethane	5.00	5.10	5.06	102	101	80.0-120			0.787	20
Trichloroethene	5.00	5.61	5.55	112	111	78.0-124			1.08	20
Trichlorofluoromethane	5.00	5.65	5.75	113	115	59.0-147			1.75	20
1,2,3-Trichloropropane	5.00	5.06	5.10	101	102	73.0-130			0.787	20
1,2,3-Trimethylbenzene	5.00	5.24	5.52	105	110	77.0-120			5.20	20
1,2,4-Trimethylbenzene	5.00	5.48	5.75	110	115	76.0-121			4.81	20
1,3,5-Trimethylbenzene	5.00	5.50	5.71	110	114	76.0-122			3.75	20
Vinyl acetate	25.0	27.7	27.8	111	111	11.0-160			0.360	20
Vinyl chloride	5.00	5.26	5.25	105	105	67.0-131			0.190	20
Xylenes, Total	15.0	16.9	16.8	113	112	79.0-123			0.593	20
(S) Toluene-d8				*102*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*106*	*105*	*70.0-130*				

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

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
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

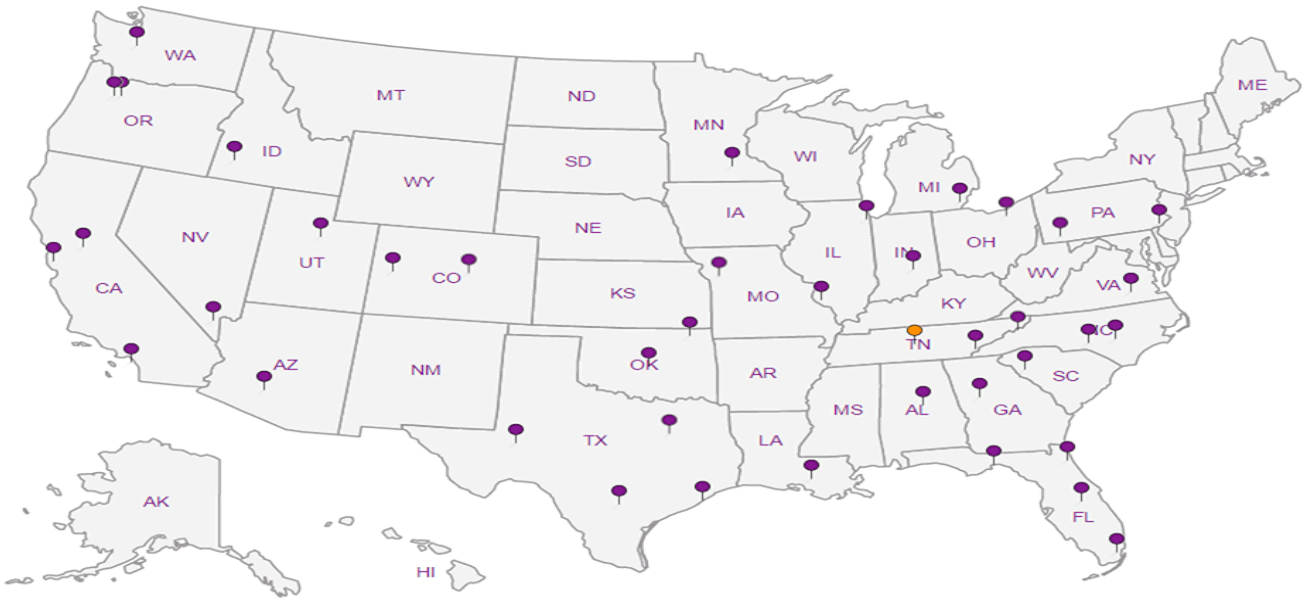
Third Party Federal Accreditations

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.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;sm

Project Description: American Linen

City/State Collected: Seattle, WA

Please Circle: PT MT CT ET

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.02.501E

Lab Project # PESENVSWA-ALP

Collected by (print): Sean Kounovsky

Site/Facility ID # American Linen

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM RSK175LL 40mlAmb-HCl	NWTPHGX 40mlAmb HCl	TOC 250mlHDPE-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	VOCs LL 8260D 40mlAmb-HCl				Remarks	Sample # (lab only)
											LL	LL						
MW-214-040720	Grab	GW	15'	4/7/20	0950	3							X					01
SCL-MW101-040720	Grab	GW	15'	4/7/20	1345	3							X					02
MW22-040720	Grab	GW	115'	4/7/20	1500	9	X	X	X		X	X	X					03
		GW																
		GW																
		GW																
		GW																
		GW																
		GW																
		GW																

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

SDG # 120675
G034

Acctnum: PESENVSWA
Template: T165314
Prelogin: P763876
PM: 110 - Brian Ford
PB:

Shipped Via:

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

Remarks: *Nitrate has a 48 hour holding time.
STAT

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1676 2749 8212

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	4/7/20	1600			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: IR#3 °C Bottles Received: 2,1+3=14 15	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/8/20 Time: 8:30	Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 15, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1207108
Samples Received:	04/09/2020
Project Number:	1413.001.02.501E
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Brian Ford
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.



Cp: Cover Page 1

Tc: Table of Contents 2

Ss: Sample Summary 3

Cn: Case Narrative 4

Sr: Sample Results 5

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MW-309-040820 L1207108-01 GW

Collected by: Sean Kounovsky | Collected date/time: 04/08/20 09:15 | Received date/time: 04/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1458503	1	04/13/20 20:08	04/13/20 20:08	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1458059	1	04/09/20 13:24	04/09/20 13:24	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1458780	1	04/10/20 18:55	04/10/20 18:55	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1458376	1	04/10/20 01:12	04/10/20 08:46	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1458051	1	04/10/20 13:54	04/10/20 13:54	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1458684	1	04/10/20 10:39	04/10/20 10:39	ACG	Mt. Juliet, TN

MW-308-040820 L1207108-02 GW

Collected by: Sean Kounovsky | Collected date/time: 04/08/20 10:30 | Received date/time: 04/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1458503	1	04/13/20 20:17	04/13/20 20:17	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1458059	1	04/09/20 13:37	04/09/20 13:37	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1458780	1	04/10/20 19:09	04/10/20 19:09	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1458376	1	04/10/20 01:12	04/10/20 08:59	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1458238	1	04/11/20 15:12	04/11/20 15:12	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1458684	1	04/10/20 11:00	04/10/20 11:00	ACG	Mt. Juliet, TN

MW-310-040820 L1207108-03 GW

Collected by: Sean Kounovsky | Collected date/time: 04/08/20 12:30 | Received date/time: 04/09/20 08:45

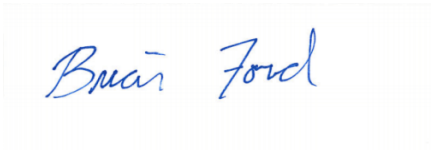
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1459970	1	04/13/20 23:30	04/13/20 23:30	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1458059	1	04/09/20 14:17	04/09/20 14:17	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1458780	1	04/10/20 19:54	04/10/20 19:54	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1458376	1	04/10/20 01:12	04/10/20 09:02	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1458238	1	04/11/20 15:14	04/11/20 15:14	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1458684	1	04/10/20 11:20	04/10/20 11:20	ACG	Mt. Juliet, TN

MW-328-040820 L1207108-04 GW

Collected by: Sean Kounovsky | Collected date/time: 04/08/20 15:45 | Received date/time: 04/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1458503	1	04/13/20 20:56	04/13/20 20:56	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1458059	1	04/09/20 14:30	04/09/20 14:30	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1458780	1	04/10/20 20:10	04/10/20 20:10	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1458376	1	04/10/20 01:12	04/10/20 09:05	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1458238	1	04/11/20 15:19	04/11/20 15:19	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1459235	10	04/11/20 16:21	04/11/20 16:21	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1458684	1	04/10/20 11:40	04/10/20 11:40	ACG	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.



Brian Ford
Project Manager

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	275000		8450	20000	1	04/13/2020 20:08	WG1458503

Sample Narrative:
L1207108-01 WG1458503: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	18700		379	1000	1	04/09/2020 13:24	WG1458059
Nitrate	U		48.0	100	1	04/09/2020 13:24	WG1458059
Sulfate	72200		594	5000	1	04/09/2020 13:24	WG1458059

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1610	B	102	1000	1	04/10/2020 18:55	WG1458780

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	721		48.9	100	1	04/10/2020 08:46	WG1458376
Manganese	680		1.32	5.00	1	04/10/2020 08:46	WG1458376

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	144		0.287	0.678	1	04/10/2020 13:54	WG1458051
Ethane	U		0.296	1.29	1	04/10/2020 13:54	WG1458051
Ethene	U		0.422	1.27	1	04/10/2020 13:54	WG1458051

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/10/2020 10:39	WG1458684
Acrylonitrile	U		0.873	5.00	1	04/10/2020 10:39	WG1458684
Benzene	1.92		0.0896	0.500	1	04/10/2020 10:39	WG1458684
Bromobenzene	U		0.133	0.500	1	04/10/2020 10:39	WG1458684
Bromodichloromethane	U		0.0800	0.500	1	04/10/2020 10:39	WG1458684
Bromochloromethane	U		0.145	0.500	1	04/10/2020 10:39	WG1458684
Bromoform	U		0.186	0.500	1	04/10/2020 10:39	WG1458684
Bromomethane	U		0.157	2.50	1	04/10/2020 10:39	WG1458684
n-Butylbenzene	U		0.143	0.500	1	04/10/2020 10:39	WG1458684
sec-Butylbenzene	U		0.134	0.500	1	04/10/2020 10:39	WG1458684
tert-Butylbenzene	U		0.183	0.500	1	04/10/2020 10:39	WG1458684
Carbon disulfide	0.446	J	0.101	0.500	1	04/10/2020 10:39	WG1458684
Carbon tetrachloride	U		0.159	0.500	1	04/10/2020 10:39	WG1458684
Chlorobenzene	U		0.140	0.500	1	04/10/2020 10:39	WG1458684
Chlorodibromomethane	U		0.128	0.500	1	04/10/2020 10:39	WG1458684
Chloroethane	U		0.141	2.50	1	04/10/2020 10:39	WG1458684
Chloroform	U		0.0860	0.500	1	04/10/2020 10:39	WG1458684
Chloromethane	U		0.153	1.25	1	04/10/2020 10:39	WG1458684
2-Chlorotoluene	U		0.111	0.500	1	04/10/2020 10:39	WG1458684
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2020 10:39	WG1458684

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2020 10:39	WG1458684
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2020 10:39	WG1458684
Dibromomethane	U		0.117	0.500	1	04/10/2020 10:39	WG1458684
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2020 10:39	WG1458684
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2020 10:39	WG1458684
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2020 10:39	WG1458684
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2020 10:39	WG1458684
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2020 10:39	WG1458684
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2020 10:39	WG1458684
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2020 10:39	WG1458684
cis-1,2-Dichloroethene	0.231	J	0.0933	0.500	1	04/10/2020 10:39	WG1458684
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2020 10:39	WG1458684
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2020 10:39	WG1458684
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2020 10:39	WG1458684
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2020 10:39	WG1458684
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2020 10:39	WG1458684
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2020 10:39	WG1458684
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	04/10/2020 10:39	WG1458684
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2020 10:39	WG1458684
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2020 10:39	WG1458684
Ethylbenzene	0.239	J	0.158	0.500	1	04/10/2020 10:39	WG1458684
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2020 10:39	WG1458684
2-Hexanone	U		0.757	5.00	1	04/10/2020 10:39	WG1458684
n-Hexane	U		0.305	5.00	1	04/10/2020 10:39	WG1458684
Iodomethane	U		0.377	10.0	1	04/10/2020 10:39	WG1458684
Isopropylbenzene	U		0.126	0.500	1	04/10/2020 10:39	WG1458684
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2020 10:39	WG1458684
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2020 10:39	WG1458684
Methylene Chloride	U		1.07	2.50	1	04/10/2020 10:39	WG1458684
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2020 10:39	WG1458684
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2020 10:39	WG1458684
Naphthalene	U		0.174	2.50	1	04/10/2020 10:39	WG1458684
n-Propylbenzene	U		0.162	0.500	1	04/10/2020 10:39	WG1458684
Styrene	U		0.117	0.500	1	04/10/2020 10:39	WG1458684
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2020 10:39	WG1458684
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2020 10:39	WG1458684
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2020 10:39	WG1458684
Tetrachloroethene	U		0.199	0.500	1	04/10/2020 10:39	WG1458684
Toluene	U		0.412	0.500	1	04/10/2020 10:39	WG1458684
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2020 10:39	WG1458684
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2020 10:39	WG1458684
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2020 10:39	WG1458684
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2020 10:39	WG1458684
Trichloroethene	U		0.153	0.500	1	04/10/2020 10:39	WG1458684
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2020 10:39	WG1458684
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2020 10:39	WG1458684
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2020 10:39	WG1458684
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2020 10:39	WG1458684
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2020 10:39	WG1458684
Vinyl acetate	U		0.645	5.00	1	04/10/2020 10:39	WG1458684
Vinyl chloride	12.6		0.118	0.500	1	04/10/2020 10:39	WG1458684
Xylenes, Total	U		0.316	1.50	1	04/10/2020 10:39	WG1458684
(S) Toluene-d8	*102*			*80.0-120*		*04/10/2020 10:39*	WG1458684
(S) 4-Bromofluorobenzene	*98.7*			*77.0-126*		*04/10/2020 10:39*	WG1458684
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*04/10/2020 10:39*	WG1458684

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	485000		8450	20000	1	04/13/2020 20:17	WG1458503

Sample Narrative:
L1207108-02 WG1458503: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	14600		379	1000	1	04/09/2020 13:37	WG1458059
Nitrate	U		48.0	100	1	04/09/2020 13:37	WG1458059
Sulfate	83200		594	5000	1	04/09/2020 13:37	WG1458059

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	9490		102	1000	1	04/10/2020 19:09	WG1458780

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9390		48.9	100	1	04/10/2020 08:59	WG1458376
Manganese	2530		1.32	5.00	1	04/10/2020 08:59	WG1458376

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1870		0.287	0.678	1	04/11/2020 15:12	WG1458238
Ethane	23.9		0.296	1.29	1	04/11/2020 15:12	WG1458238
Ethene	8.43		0.422	1.27	1	04/11/2020 15:12	WG1458238

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.42	J	1.05	25.0	1	04/10/2020 11:00	WG1458684
Acrylonitrile	U		0.873	5.00	1	04/10/2020 11:00	WG1458684
Benzene	21.2		0.0896	0.500	1	04/10/2020 11:00	WG1458684
Bromobenzene	U		0.133	0.500	1	04/10/2020 11:00	WG1458684
Bromodichloromethane	U		0.0800	0.500	1	04/10/2020 11:00	WG1458684
Bromochloromethane	U		0.145	0.500	1	04/10/2020 11:00	WG1458684
Bromoform	U		0.186	0.500	1	04/10/2020 11:00	WG1458684
Bromomethane	U		0.157	2.50	1	04/10/2020 11:00	WG1458684
n-Butylbenzene	U		0.143	0.500	1	04/10/2020 11:00	WG1458684
sec-Butylbenzene	U		0.134	0.500	1	04/10/2020 11:00	WG1458684
tert-Butylbenzene	U		0.183	0.500	1	04/10/2020 11:00	WG1458684
Carbon disulfide	3.85		0.101	0.500	1	04/10/2020 11:00	WG1458684
Carbon tetrachloride	U		0.159	0.500	1	04/10/2020 11:00	WG1458684
Chlorobenzene	U		0.140	0.500	1	04/10/2020 11:00	WG1458684
Chlorodibromomethane	U		0.128	0.500	1	04/10/2020 11:00	WG1458684
Chloroethane	U		0.141	2.50	1	04/10/2020 11:00	WG1458684
Chloroform	0.230	J	0.0860	0.500	1	04/10/2020 11:00	WG1458684
Chloromethane	U		0.153	1.25	1	04/10/2020 11:00	WG1458684
2-Chlorotoluene	U		0.111	0.500	1	04/10/2020 11:00	WG1458684
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2020 11:00	WG1458684

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2020 11:00	WG1458684
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2020 11:00	WG1458684
Dibromomethane	U		0.117	0.500	1	04/10/2020 11:00	WG1458684
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2020 11:00	WG1458684
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2020 11:00	WG1458684
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2020 11:00	WG1458684
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2020 11:00	WG1458684
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2020 11:00	WG1458684
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2020 11:00	WG1458684
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2020 11:00	WG1458684
cis-1,2-Dichloroethene	12.5		0.0933	0.500	1	04/10/2020 11:00	WG1458684
trans-1,2-Dichloroethene	0.360	J	0.152	0.500	1	04/10/2020 11:00	WG1458684
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2020 11:00	WG1458684
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2020 11:00	WG1458684
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2020 11:00	WG1458684
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2020 11:00	WG1458684
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2020 11:00	WG1458684
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	04/10/2020 11:00	WG1458684
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2020 11:00	WG1458684
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2020 11:00	WG1458684
Ethylbenzene	U		0.158	0.500	1	04/10/2020 11:00	WG1458684
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2020 11:00	WG1458684
2-Hexanone	U		0.757	5.00	1	04/10/2020 11:00	WG1458684
n-Hexane	U		0.305	5.00	1	04/10/2020 11:00	WG1458684
Iodomethane	U		0.377	10.0	1	04/10/2020 11:00	WG1458684
Isopropylbenzene	0.582		0.126	0.500	1	04/10/2020 11:00	WG1458684
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2020 11:00	WG1458684
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2020 11:00	WG1458684
Methylene Chloride	U		1.07	2.50	1	04/10/2020 11:00	WG1458684
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2020 11:00	WG1458684
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2020 11:00	WG1458684
Naphthalene	U		0.174	2.50	1	04/10/2020 11:00	WG1458684
n-Propylbenzene	U		0.162	0.500	1	04/10/2020 11:00	WG1458684
Styrene	U		0.117	0.500	1	04/10/2020 11:00	WG1458684
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2020 11:00	WG1458684
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2020 11:00	WG1458684
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2020 11:00	WG1458684
Tetrachloroethene	U		0.199	0.500	1	04/10/2020 11:00	WG1458684
Toluene	U		0.412	0.500	1	04/10/2020 11:00	WG1458684
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2020 11:00	WG1458684
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2020 11:00	WG1458684
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2020 11:00	WG1458684
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2020 11:00	WG1458684
Trichloroethene	U		0.153	0.500	1	04/10/2020 11:00	WG1458684
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2020 11:00	WG1458684
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2020 11:00	WG1458684
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2020 11:00	WG1458684
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2020 11:00	WG1458684
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2020 11:00	WG1458684
Vinyl acetate	U		0.645	5.00	1	04/10/2020 11:00	WG1458684
Vinyl chloride	12.9		0.118	0.500	1	04/10/2020 11:00	WG1458684
Xylenes, Total	U		0.316	1.50	1	04/10/2020 11:00	WG1458684
(S) Toluene-d8	*106*			*80.0-120*		*04/10/2020 11:00*	WG1458684
(S) 4-Bromofluorobenzene	*99.2*			*77.0-126*		*04/10/2020 11:00*	WG1458684
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*04/10/2020 11:00*	WG1458684

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	814000		8450	20000	1	04/13/2020 23:30	WG1459970

Sample Narrative:
L1207108-03 WG1459970: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	10200		379	1000	1	04/09/2020 14:17	WG1458059
Nitrate	U		48.0	100	1	04/09/2020 14:17	WG1458059
Sulfate	54800		594	5000	1	04/09/2020 14:17	WG1458059

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	8580		102	1000	1	04/10/2020 19:54	WG1458780

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	19500		48.9	100	1	04/10/2020 09:02	WG1458376
Manganese	3660		1.32	5.00	1	04/10/2020 09:02	WG1458376

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	714		0.287	0.678	1	04/11/2020 15:14	WG1458238
Ethane	0.770	J	0.296	1.29	1	04/11/2020 15:14	WG1458238
Ethene	U		0.422	1.27	1	04/11/2020 15:14	WG1458238

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/10/2020 11:20	WG1458684
Acrylonitrile	U		0.873	5.00	1	04/10/2020 11:20	WG1458684
Benzene	U		0.0896	0.500	1	04/10/2020 11:20	WG1458684
Bromobenzene	U		0.133	0.500	1	04/10/2020 11:20	WG1458684
Bromodichloromethane	U		0.0800	0.500	1	04/10/2020 11:20	WG1458684
Bromochloromethane	U		0.145	0.500	1	04/10/2020 11:20	WG1458684
Bromoform	U		0.186	0.500	1	04/10/2020 11:20	WG1458684
Bromomethane	U		0.157	2.50	1	04/10/2020 11:20	WG1458684
n-Butylbenzene	U		0.143	0.500	1	04/10/2020 11:20	WG1458684
sec-Butylbenzene	0.354	J	0.134	0.500	1	04/10/2020 11:20	WG1458684
tert-Butylbenzene	U		0.183	0.500	1	04/10/2020 11:20	WG1458684
Carbon disulfide	U		0.101	0.500	1	04/10/2020 11:20	WG1458684
Carbon tetrachloride	U		0.159	0.500	1	04/10/2020 11:20	WG1458684
Chlorobenzene	U		0.140	0.500	1	04/10/2020 11:20	WG1458684
Chlorodibromomethane	U		0.128	0.500	1	04/10/2020 11:20	WG1458684
Chloroethane	U		0.141	2.50	1	04/10/2020 11:20	WG1458684
Chloroform	U		0.0860	0.500	1	04/10/2020 11:20	WG1458684
Chloromethane	U		0.153	1.25	1	04/10/2020 11:20	WG1458684
2-Chlorotoluene	U		0.111	0.500	1	04/10/2020 11:20	WG1458684
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2020 11:20	WG1458684

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2020 11:20	WG1458684
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2020 11:20	WG1458684
Dibromomethane	U		0.117	0.500	1	04/10/2020 11:20	WG1458684
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2020 11:20	WG1458684
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2020 11:20	WG1458684
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2020 11:20	WG1458684
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2020 11:20	WG1458684
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2020 11:20	WG1458684
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2020 11:20	WG1458684
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2020 11:20	WG1458684
cis-1,2-Dichloroethene	0.193	J	0.0933	0.500	1	04/10/2020 11:20	WG1458684
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2020 11:20	WG1458684
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2020 11:20	WG1458684
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2020 11:20	WG1458684
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2020 11:20	WG1458684
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2020 11:20	WG1458684
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2020 11:20	WG1458684
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	04/10/2020 11:20	WG1458684
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2020 11:20	WG1458684
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2020 11:20	WG1458684
Ethylbenzene	U		0.158	0.500	1	04/10/2020 11:20	WG1458684
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2020 11:20	WG1458684
2-Hexanone	U		0.757	5.00	1	04/10/2020 11:20	WG1458684
n-Hexane	U		0.305	5.00	1	04/10/2020 11:20	WG1458684
Iodomethane	U		0.377	10.0	1	04/10/2020 11:20	WG1458684
Isopropylbenzene	2.04		0.126	0.500	1	04/10/2020 11:20	WG1458684
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2020 11:20	WG1458684
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2020 11:20	WG1458684
Methylene Chloride	U		1.07	2.50	1	04/10/2020 11:20	WG1458684
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2020 11:20	WG1458684
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2020 11:20	WG1458684
Naphthalene	U		0.174	2.50	1	04/10/2020 11:20	WG1458684
n-Propylbenzene	1.38		0.162	0.500	1	04/10/2020 11:20	WG1458684
Styrene	U		0.117	0.500	1	04/10/2020 11:20	WG1458684
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2020 11:20	WG1458684
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2020 11:20	WG1458684
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2020 11:20	WG1458684
Tetrachloroethene	U		0.199	0.500	1	04/10/2020 11:20	WG1458684
Toluene	U		0.412	0.500	1	04/10/2020 11:20	WG1458684
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2020 11:20	WG1458684
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2020 11:20	WG1458684
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2020 11:20	WG1458684
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2020 11:20	WG1458684
Trichloroethene	U		0.153	0.500	1	04/10/2020 11:20	WG1458684
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2020 11:20	WG1458684
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2020 11:20	WG1458684
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2020 11:20	WG1458684
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2020 11:20	WG1458684
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2020 11:20	WG1458684
Vinyl acetate	U		0.645	5.00	1	04/10/2020 11:20	WG1458684
Vinyl chloride	U		0.118	0.500	1	04/10/2020 11:20	WG1458684
Xylenes, Total	U		0.316	1.50	1	04/10/2020 11:20	WG1458684
(S) Toluene-d8	*99.1*			*80.0-120*		*04/10/2020 11:20*	WG1458684
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*04/10/2020 11:20*	WG1458684
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*04/10/2020 11:20*	WG1458684

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	708000		8450	20000	1	04/13/2020 20:56	WG1458503

Sample Narrative:
L1207108-04 WG1458503: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	17000		379	1000	1	04/09/2020 14:30	WG1458059
Nitrate	U		48.0	100	1	04/09/2020 14:30	WG1458059
Sulfate	U		594	5000	1	04/09/2020 14:30	WG1458059

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3900		102	1000	1	04/10/2020 20:10	WG1458780

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	13700		48.9	100	1	04/10/2020 09:05	WG1458376
Manganese	348		1.32	5.00	1	04/10/2020 09:05	WG1458376

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	22900		2.87	6.78	10	04/11/2020 16:21	WG1459235
Ethane	7.44		0.296	1.29	1	04/11/2020 15:19	WG1458238
Ethene	28.4		0.422	1.27	1	04/11/2020 15:19	WG1458238

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/10/2020 11:40	WG1458684
Acrylonitrile	U		0.873	5.00	1	04/10/2020 11:40	WG1458684
Benzene	9.53		0.0896	0.500	1	04/10/2020 11:40	WG1458684
Bromobenzene	U		0.133	0.500	1	04/10/2020 11:40	WG1458684
Bromodichloromethane	U		0.0800	0.500	1	04/10/2020 11:40	WG1458684
Bromochloromethane	U		0.145	0.500	1	04/10/2020 11:40	WG1458684
Bromoform	U		0.186	0.500	1	04/10/2020 11:40	WG1458684
Bromomethane	U		0.157	2.50	1	04/10/2020 11:40	WG1458684
n-Butylbenzene	U		0.143	0.500	1	04/10/2020 11:40	WG1458684
sec-Butylbenzene	U		0.134	0.500	1	04/10/2020 11:40	WG1458684
tert-Butylbenzene	U		0.183	0.500	1	04/10/2020 11:40	WG1458684
Carbon disulfide	U		0.101	0.500	1	04/10/2020 11:40	WG1458684
Carbon tetrachloride	U		0.159	0.500	1	04/10/2020 11:40	WG1458684
Chlorobenzene	U		0.140	0.500	1	04/10/2020 11:40	WG1458684
Chlorodibromomethane	U		0.128	0.500	1	04/10/2020 11:40	WG1458684
Chloroethane	U		0.141	2.50	1	04/10/2020 11:40	WG1458684
Chloroform	U		0.0860	0.500	1	04/10/2020 11:40	WG1458684
Chloromethane	U		0.153	1.25	1	04/10/2020 11:40	WG1458684
2-Chlorotoluene	U		0.111	0.500	1	04/10/2020 11:40	WG1458684
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2020 11:40	WG1458684

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2020 11:40	WG1458684
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2020 11:40	WG1458684
Dibromomethane	U		0.117	0.500	1	04/10/2020 11:40	WG1458684
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2020 11:40	WG1458684
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2020 11:40	WG1458684
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2020 11:40	WG1458684
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2020 11:40	WG1458684
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2020 11:40	WG1458684
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2020 11:40	WG1458684
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2020 11:40	WG1458684
cis-1,2-Dichloroethene	0.631		0.0933	0.500	1	04/10/2020 11:40	WG1458684
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2020 11:40	WG1458684
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2020 11:40	WG1458684
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2020 11:40	WG1458684
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2020 11:40	WG1458684
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2020 11:40	WG1458684
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2020 11:40	WG1458684
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	04/10/2020 11:40	WG1458684
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2020 11:40	WG1458684
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2020 11:40	WG1458684
Ethylbenzene	U		0.158	0.500	1	04/10/2020 11:40	WG1458684
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2020 11:40	WG1458684
2-Hexanone	U		0.757	5.00	1	04/10/2020 11:40	WG1458684
n-Hexane	U		0.305	5.00	1	04/10/2020 11:40	WG1458684
Iodomethane	U		0.377	10.0	1	04/10/2020 11:40	WG1458684
Isopropylbenzene	U		0.126	0.500	1	04/10/2020 11:40	WG1458684
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2020 11:40	WG1458684
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2020 11:40	WG1458684
Methylene Chloride	U		1.07	2.50	1	04/10/2020 11:40	WG1458684
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2020 11:40	WG1458684
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2020 11:40	WG1458684
Naphthalene	U		0.174	2.50	1	04/10/2020 11:40	WG1458684
n-Propylbenzene	U		0.162	0.500	1	04/10/2020 11:40	WG1458684
Styrene	U		0.117	0.500	1	04/10/2020 11:40	WG1458684
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2020 11:40	WG1458684
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2020 11:40	WG1458684
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2020 11:40	WG1458684
Tetrachloroethene	U		0.199	0.500	1	04/10/2020 11:40	WG1458684
Toluene	U		0.412	0.500	1	04/10/2020 11:40	WG1458684
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2020 11:40	WG1458684
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2020 11:40	WG1458684
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2020 11:40	WG1458684
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2020 11:40	WG1458684
Trichloroethene	U		0.153	0.500	1	04/10/2020 11:40	WG1458684
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2020 11:40	WG1458684
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2020 11:40	WG1458684
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2020 11:40	WG1458684
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2020 11:40	WG1458684
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2020 11:40	WG1458684
Vinyl acetate	U		0.645	5.00	1	04/10/2020 11:40	WG1458684
Vinyl chloride	11.1		0.118	0.500	1	04/10/2020 11:40	WG1458684
Xylenes, Total	U		0.316	1.50	1	04/10/2020 11:40	WG1458684
(S) Toluene-d8	*102*			*80.0-120*		*04/10/2020 11:40*	WG1458684
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*04/10/2020 11:40*	WG1458684
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*04/10/2020 11:40*	WG1458684

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

Method Blank (MB)

(MB) R3518272-1 04/13/20 17:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	U		8450	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1206618-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1206618-11 04/13/20 17:53 • (DUP) R3518272-2 04/13/20 18:01

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	960000	960000	1	0.0160		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

L1207108-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1207108-04 04/13/20 20:56 • (DUP) R3518272-4 04/13/20 21:04

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	708000	703000	1	0.733		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3518272-3 04/13/20 18:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	104000	104	85.0-115	

Sample Narrative:
LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3518288-1 04/13/20 21:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	U		8450	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1206580-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1206580-05 04/13/20 21:55 • (DUP) R3518288-2 04/13/20 22:00

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	15900	15400	1	3.14	J	20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

L1208001-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1208001-05 04/14/20 00:49 • (DUP) R3518288-5 04/14/20 00:56

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	337000	340000	1	0.774		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3518288-3 04/13/20 22:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	102000	102	85.0-115	

Sample Narrative:
LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3517427-1 04/09/20 09:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1207062-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1207062-01 04/09/20 12:58 • (DUP) R3517427-5 04/09/20 13:11

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	2860	2930	1	2.44		15
Nitrate	1390	1400	1	0.847		15
Sulfate	ND	3660	1	0.000		15

L1206891-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1206891-07 04/09/20 18:44 • (DUP) R3517427-6 04/09/20 18:57

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

Laboratory Control Sample (LCS)

(LCS) R3517427-2 04/09/20 10:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	40200	101	80.0-120	
Nitrate	8000	8600	107	80.0-120	
Sulfate	40000	41600	104	80.0-120	

L1207052-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1207052-01 04/09/20 12:19 • (MS) R3517427-3 04/09/20 12:32 • (MSD) R3517427-4 04/09/20 12:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	86800	134000	133000	94.3	91.6	1	80.0-120	E	E	1.01	15
Nitrate	5000	ND	5360	5280	107	106	1	80.0-120			1.33	15
Sulfate	50000	31400	82100	81100	101	99.4	1	80.0-120			1.17	15

L1206891-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1206891-08 04/09/20 19:36 • (MS) R3517427-7 04/09/20 19:49

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	U	50500	101	1	80.0-120	
Nitrate	5000	U	5360	107	1	80.0-120	
Sulfate	50000	U	52000	104	1	80.0-120	

Method Blank (MB)

(MB) R3517645-1 04/10/20 13:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	250	J	102	1000

L1207093-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1207093-06 04/10/20 16:33 • (DUP) R3517645-3 04/10/20 16:46

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	4510	4440	1	1.41		20

L1207165-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1207165-03 04/10/20 22:26 • (DUP) R3517645-8 04/10/20 22:39

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	4800	4770	1	0.690		20

Laboratory Control Sample (LCS)

(LCS) R3517645-2 04/10/20 14:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC	75000	72400	96.6	85.0-115	

L1207108-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1207108-02 04/10/20 19:09 • (MS) R3517645-4 04/10/20 19:25 • (MSD) R3517645-5 04/10/20 19:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC	50000	9490	57900	58500	96.7	98.0	1	80.0-120			1.08	20

L1207165-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1207165-01 04/10/20 21:22 • (MS) R3517645-6 04/10/20 21:38 • (MSD) R3517645-7 04/10/20 21:59

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC	50000	82300	129000	129000	93.5	92.7	1	80.0-120	E	E	0.311	20

Method Blank (MB)

(MB) R3517362-1 04/10/20 08:39

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		48.9	100
Manganese	U		1.32	5.00

Laboratory Control Sample (LCS)

(LCS) R3517362-2 04/10/20 08:43

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	5000	5240	105	80.0-120	
Manganese	50.0	51.6	103	80.0-120	

L1207108-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1207108-01 04/10/20 08:46 • (MS) R3517362-4 04/10/20 08:52 • (MSD) R3517362-5 04/10/20 08:56

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	5000	721	5880	5750	103	101	1	75.0-125			2.21	20
Manganese	50.0	680	731	727	102	93.7	1	75.0-125			0.591	20

Method Blank (MB)

(MB) R3517475-2 04/10/20 10:35

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

L1207087-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1207087-09 04/10/20 12:18 • (DUP) R3517475-3 04/10/20 13:23

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

Laboratory Control Sample (LCS)

(LCS) R3517475-1 04/10/20 10:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methane	67.8	68.1	100	85.0-115	
Ethane	129	124	96.1	85.0-115	
Ethene	127	119	93.7	85.0-115	

Method Blank (MB)

(MB) R3517679-2 04/11/20 15:00

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

L1207445-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1207445-01 04/11/20 15:33 • (DUP) R3517679-3 04/11/20 15:41

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	46.9	47.6	1	1.48		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3517679-1 04/11/20 14:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methane	67.8	63.5	93.7	85.0-115	
Ethane	129	122	94.6	85.0-115	
Ethene	127	117	92.1	85.0-115	

Method Blank (MB)

(MB) R3517687-2 04/11/20 16:18

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

Laboratory Control Sample (LCS)

(LCS) R3517687-1 04/11/20 16:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methane	67.8	64.2	94.7	85.0-115	

Method Blank (MB)

(MB) R3517789-3 04/10/20 08:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3517789-3 04/10/20 08:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

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

(LCS) R3517789-1 04/10/20 07:40 • (LCSD) R3517789-2 04/10/20 08:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	28.8	29.6	115	118	19.0-160			2.74	27
Acrylonitrile	25.0	24.7	25.1	98.8	100	55.0-149			1.61	20
Benzene	5.00	4.88	5.02	97.6	100	70.0-123			2.83	20
Bromobenzene	5.00	4.72	4.57	94.4	91.4	73.0-121			3.23	20
Bromodichloromethane	5.00	4.94	5.20	98.8	104	75.0-120			5.13	20
Bromochloromethane	5.00	5.47	5.67	109	113	76.0-122			3.59	20
Bromoform	5.00	5.42	5.53	108	111	68.0-132			2.01	20
Bromomethane	5.00	5.45	5.27	109	105	10.0-160			3.36	25
n-Butylbenzene	5.00	5.61	5.63	112	113	73.0-125			0.356	20
sec-Butylbenzene	5.00	5.53	5.43	111	109	75.0-125			1.82	20
tert-Butylbenzene	5.00	5.60	5.50	112	110	76.0-124			1.80	20
Carbon disulfide	5.00	5.16	5.35	103	107	61.0-128			3.62	20
Carbon tetrachloride	5.00	5.79	5.98	116	120	68.0-126			3.23	20
Chlorobenzene	5.00	5.39	5.27	108	105	80.0-121			2.25	20
Chlorodibromomethane	5.00	5.25	5.10	105	102	77.0-125			2.90	20
Chloroethane	5.00	5.43	5.17	109	103	47.0-150			4.91	20
Chloroform	5.00	5.02	5.17	100	103	73.0-120			2.94	20
Chloromethane	5.00	5.00	5.08	100	102	41.0-142			1.59	20
2-Chlorotoluene	5.00	4.96	4.90	99.2	98.0	76.0-123			1.22	20
4-Chlorotoluene	5.00	5.51	5.39	110	108	75.0-122			2.20	20
1,2-Dibromo-3-Chloropropane	5.00	4.94	4.80	98.8	96.0	58.0-134			2.87	20
1,2-Dibromoethane	5.00	5.21	5.28	104	106	80.0-122			1.33	20
Dibromomethane	5.00	5.43	5.71	109	114	80.0-120			5.03	20
1,2-Dichlorobenzene	5.00	5.41	5.47	108	109	79.0-121			1.10	20
1,3-Dichlorobenzene	5.00	5.62	5.65	112	113	79.0-120			0.532	20
1,4-Dichlorobenzene	5.00	5.15	5.13	103	103	79.0-120			0.389	20
trans-1,4-Dichloro-2-butene	5.00	2.85	2.60	57.0	52.0	33.0-144			9.17	20
Dichlorodifluoromethane	5.00	5.44	5.62	109	112	51.0-149			3.25	20
1,1-Dichloroethane	5.00	5.15	5.40	103	108	70.0-126			4.74	20
1,2-Dichloroethane	5.00	5.01	5.29	100	106	70.0-128			5.44	20
1,1-Dichloroethene	5.00	5.04	5.22	101	104	71.0-124			3.51	20
cis-1,2-Dichloroethene	5.00	5.32	5.46	106	109	73.0-120			2.60	20
trans-1,2-Dichloroethene	5.00	5.23	5.55	105	111	73.0-120			5.94	20
1,2-Dichloropropane	5.00	5.21	5.23	104	105	77.0-125			0.383	20
1,1-Dichloropropene	5.00	5.49	5.70	110	114	74.0-126			3.75	20
1,3-Dichloropropane	5.00	5.34	5.33	107	107	80.0-120			0.187	20
cis-1,3-Dichloropropene	5.00	5.26	5.83	105	117	80.0-123			10.3	20
trans-1,3-Dichloropropene	5.00	5.13	5.38	103	108	78.0-124			4.76	20
2,2-Dichloropropane	5.00	5.46	5.47	109	109	58.0-130			0.183	20
Di-isopropyl ether	5.00	5.14	5.22	103	104	58.0-138			1.54	20

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

(LCS) R3517789-1 04/10/20 07:40 • (LCSD) R3517789-2 04/10/20 08:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	5.26	5.05	105	101	79.0-123			4.07	20
Hexachloro-1,3-butadiene	5.00	5.08	5.06	102	101	54.0-138			0.394	20
2-Hexanone	25.0	26.5	26.7	106	107	67.0-149			0.752	20
n-Hexane	5.00	4.97	5.17	99.4	103	57.0-133			3.94	20
Iodomethane	25.0	25.8	26.7	103	107	33.0-147			3.43	26
Isopropylbenzene	5.00	5.71	5.73	114	115	76.0-127			0.350	20
p-Isopropyltoluene	5.00	5.61	5.57	112	111	76.0-125			0.716	20
2-Butanone (MEK)	25.0	25.2	25.9	101	104	44.0-160			2.74	20
Methylene Chloride	5.00	4.94	5.30	98.8	106	67.0-120			7.03	20
4-Methyl-2-pentanone (MIBK)	25.0	24.6	24.8	98.4	99.2	68.0-142			0.810	20
Methyl tert-butyl ether	5.00	5.17	5.41	103	108	68.0-125			4.54	20
Naphthalene	5.00	5.34	5.36	107	107	54.0-135			0.374	20
n-Propylbenzene	5.00	5.10	4.94	102	98.8	77.0-124			3.19	20
Styrene	5.00	5.62	5.61	112	112	73.0-130			0.178	20
1,1,1,2-Tetrachloroethane	5.00	5.23	5.30	105	106	75.0-125			1.33	20
1,1,2,2-Tetrachloroethane	5.00	5.04	4.81	101	96.2	65.0-130			4.67	20
Tetrachloroethene	5.00	5.73	5.90	115	118	72.0-132			2.92	20
Toluene	5.00	5.06	5.06	101	101	79.0-120			0.000	20
1,1,2-Trichlorotrifluoroethane	5.00	4.64	5.29	92.8	106	69.0-132			13.1	20
1,2,3-Trichlorobenzene	5.00	5.10	5.17	102	103	50.0-138			1.36	20
1,2,4-Trichlorobenzene	5.00	5.35	5.14	107	103	57.0-137			4.00	20
1,1,1-Trichloroethane	5.00	5.22	5.52	104	110	73.0-124			5.59	20
1,1,2-Trichloroethane	5.00	5.04	5.04	101	101	80.0-120			0.000	20
Trichloroethene	5.00	5.45	5.69	109	114	78.0-124			4.31	20
Trichlorofluoromethane	5.00	5.44	5.65	109	113	59.0-147			3.79	20
1,2,3-Trichloropropane	5.00	4.91	4.79	98.2	95.8	73.0-130			2.47	20
1,2,3-Trimethylbenzene	5.00	5.47	5.21	109	104	77.0-120			4.87	20
1,2,4-Trimethylbenzene	5.00	5.56	5.34	111	107	76.0-121			4.04	20
1,3,5-Trimethylbenzene	5.00	5.64	5.39	113	108	76.0-122			4.53	20
Vinyl acetate	25.0	26.2	28.2	105	113	11.0-160			7.35	20
Vinyl chloride	5.00	5.31	5.48	106	110	67.0-131			3.15	20
Xylenes, Total	15.0	16.6	16.7	111	111	79.0-123			0.601	20
(S) Toluene-d8				*103*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.7*	*103*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*108*	*111*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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

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.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.

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

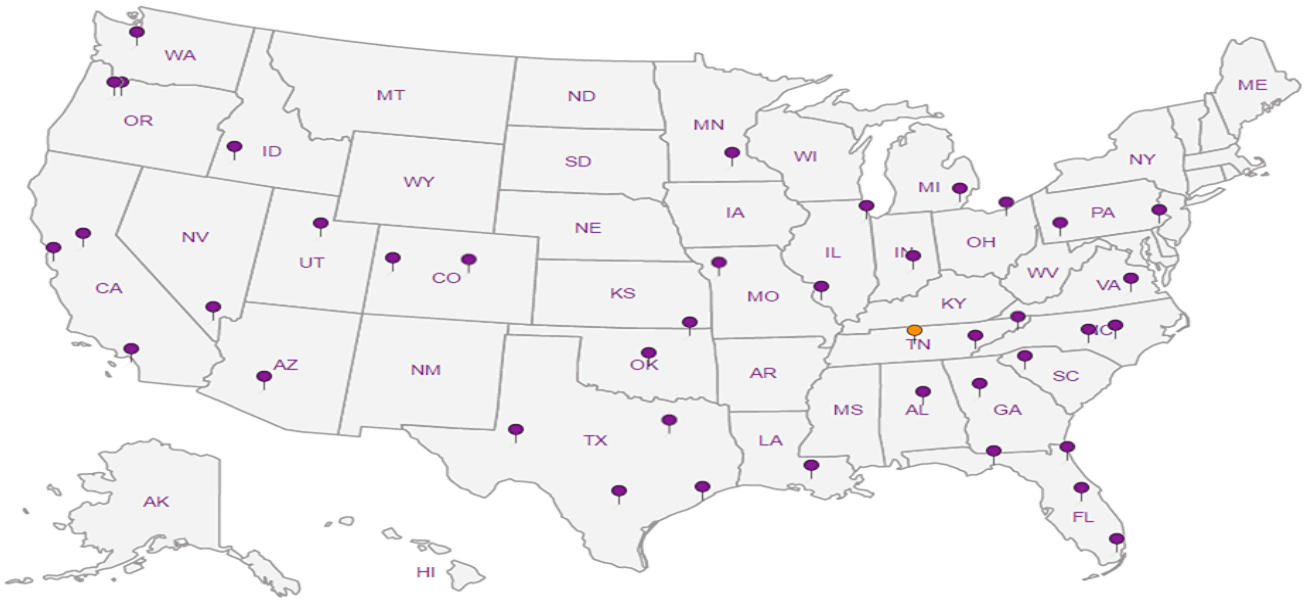
Third Party Federal Accreditations

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.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;sm

Project Description: American Linen

City/State Collected: Seattle, WA

Please Circle: PT MT CT ET

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.02.501E

Lab Project # PESENVSWA-ALP

Collected by (print): Sean Kouncvsky

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Site/Facility ID # American Linen

P.O. #

Quote #

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

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM RSK175LL 40mlAmb-HCl	NWTPHGX 40mlAmb HCl	TOC 250mlHDPE-HCl =2	Total Fe Mn 6020 250mlHDPE-HNO3 =2	VOCs LL 8260D 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-309-040820	Grab	GW	70'	4/8/20	915	9	X	X	X		X	X	X		-01
MW-308-040820	Grab	GW	40'	4/8/20	1030	9	X	X	X		X	X	X		-02
MW-310-040820	Grab	GW	21'	4/8/20	1230	9	X	X	X		X	X	X		-03
MW-328-040820	Grab	GW	70'	4/8/20	1545	9	X	X	X		X	X	X		-04
		GW													
		GW													
		GW													
		GW													
		GW													
		GW													

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

SDG # L1207108
C011

Acctnum: PESENVSWA
Template: T165314
Prelogin: P763876
PM: 110 - Brian Ford
PB:
Shipped Via:

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

Remarks: *Nitrate has a 48 hour holding time.
~~STAT~~ SK

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1676 2749 8186

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Sean Kouncvsky	4/8/20	1600			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: ~~NPA~~ °C 2.7+0=2.7 Bottles Received: 35	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/9/20 Time: 8:45	Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 16, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1207508
Samples Received:	04/10/2020
Project Number:	1413.001.02.501E
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

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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MW126-040920 L1207508-01 GW

Collected by: Sean Kounovsky | Collected date/time: 04/09/20 10:30 | Received date/time: 04/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1459157	1	04/15/20 14:01	04/15/20 14:01	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1458694	1	04/10/20 13:00	04/10/20 13:00	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1458781	1	04/10/20 21:38	04/10/20 21:38	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1458864	1	04/13/20 16:03	04/13/20 20:02	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1459235	1	04/11/20 16:35	04/11/20 16:35	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1459035	1	04/10/20 22:43	04/10/20 22:43	JAH	Mt. Juliet, TN

MW-327-040920 L1207508-02 GW

Collected by: Sean Kounovsky | Collected date/time: 04/09/20 11:45 | Received date/time: 04/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1459157	1	04/15/20 14:20	04/15/20 14:20	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1458694	1	04/10/20 13:22	04/10/20 13:22	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1458781	1	04/10/20 22:40	04/10/20 22:40	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1458864	1	04/13/20 16:03	04/13/20 20:05	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1458864	5	04/13/20 16:03	04/13/20 20:52	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1459235	1	04/11/20 16:37	04/11/20 16:37	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1459689	10	04/13/20 11:26	04/13/20 11:26	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1459035	1	04/10/20 23:04	04/10/20 23:04	JAH	Mt. Juliet, TN

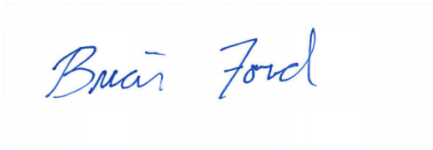
SMW-3-040920 L1207508-03 GW

Collected by: Sean Kounovsky | Collected date/time: 04/09/20 12:45 | Received date/time: 04/10/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1459035	1	04/10/20 23:24	04/10/20 23:24	JAH	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.



Brian Ford
Project Manager

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	197000		8450	20000	1	04/15/2020 14:01	WG1459157

Sample Narrative:
L1207508-01 WG1459157: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	7400		379	1000	1	04/10/2020 13:00	WG1458694
Nitrate	U		48.0	100	1	04/10/2020 13:00	WG1458694
Sulfate	2580	J	594	5000	1	04/10/2020 13:00	WG1458694

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4280	B	102	1000	1	04/10/2020 21:38	WG1458781

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	257		48.9	100	1	04/13/2020 20:02	WG1458864
Manganese	289		1.32	5.00	1	04/13/2020 20:02	WG1458864

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	574		0.287	0.678	1	04/11/2020 16:35	WG1459235
Ethane	3.71		0.296	1.29	1	04/11/2020 16:35	WG1459235
Ethene	U		0.422	1.27	1	04/11/2020 16:35	WG1459235

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/10/2020 22:43	WG1459035
Acrylonitrile	U		0.873	5.00	1	04/10/2020 22:43	WG1459035
Benzene	U		0.0896	0.500	1	04/10/2020 22:43	WG1459035
Bromobenzene	U		0.133	0.500	1	04/10/2020 22:43	WG1459035
Bromodichloromethane	U		0.0800	0.500	1	04/10/2020 22:43	WG1459035
Bromochloromethane	U		0.145	0.500	1	04/10/2020 22:43	WG1459035
Bromoform	U		0.186	0.500	1	04/10/2020 22:43	WG1459035
Bromomethane	U		0.157	2.50	1	04/10/2020 22:43	WG1459035
n-Butylbenzene	U		0.143	0.500	1	04/10/2020 22:43	WG1459035
sec-Butylbenzene	U		0.134	0.500	1	04/10/2020 22:43	WG1459035
tert-Butylbenzene	U		0.183	0.500	1	04/10/2020 22:43	WG1459035
Carbon disulfide	U		0.101	0.500	1	04/10/2020 22:43	WG1459035
Carbon tetrachloride	U		0.159	0.500	1	04/10/2020 22:43	WG1459035
Chlorobenzene	U		0.140	0.500	1	04/10/2020 22:43	WG1459035
Chlorodibromomethane	U		0.128	0.500	1	04/10/2020 22:43	WG1459035
Chloroethane	U		0.141	2.50	1	04/10/2020 22:43	WG1459035
Chloroform	U		0.0860	0.500	1	04/10/2020 22:43	WG1459035
Chloromethane	U		0.153	1.25	1	04/10/2020 22:43	WG1459035
2-Chlorotoluene	U		0.111	0.500	1	04/10/2020 22:43	WG1459035
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2020 22:43	WG1459035

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2020 22:43	WG1459035
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2020 22:43	WG1459035
Dibromomethane	U		0.117	0.500	1	04/10/2020 22:43	WG1459035
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2020 22:43	WG1459035
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2020 22:43	WG1459035
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2020 22:43	WG1459035
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2020 22:43	WG1459035
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2020 22:43	WG1459035
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2020 22:43	WG1459035
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2020 22:43	WG1459035
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/10/2020 22:43	WG1459035
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2020 22:43	WG1459035
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2020 22:43	WG1459035
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2020 22:43	WG1459035
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2020 22:43	WG1459035
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2020 22:43	WG1459035
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2020 22:43	WG1459035
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	04/10/2020 22:43	WG1459035
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2020 22:43	WG1459035
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2020 22:43	WG1459035
Ethylbenzene	U		0.158	0.500	1	04/10/2020 22:43	WG1459035
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2020 22:43	WG1459035
2-Hexanone	U		0.757	5.00	1	04/10/2020 22:43	WG1459035
n-Hexane	U		0.305	5.00	1	04/10/2020 22:43	WG1459035
Iodomethane	U		0.377	10.0	1	04/10/2020 22:43	WG1459035
Isopropylbenzene	U		0.126	0.500	1	04/10/2020 22:43	WG1459035
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2020 22:43	WG1459035
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2020 22:43	WG1459035
Methylene Chloride	U		1.07	2.50	1	04/10/2020 22:43	WG1459035
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2020 22:43	WG1459035
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2020 22:43	WG1459035
Naphthalene	U		0.174	2.50	1	04/10/2020 22:43	WG1459035
n-Propylbenzene	U		0.162	0.500	1	04/10/2020 22:43	WG1459035
Styrene	U		0.117	0.500	1	04/10/2020 22:43	WG1459035
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2020 22:43	WG1459035
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2020 22:43	WG1459035
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2020 22:43	WG1459035
Tetrachloroethene	U		0.199	0.500	1	04/10/2020 22:43	WG1459035
Toluene	U		0.412	0.500	1	04/10/2020 22:43	WG1459035
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2020 22:43	WG1459035
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2020 22:43	WG1459035
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2020 22:43	WG1459035
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2020 22:43	WG1459035
Trichloroethene	U		0.153	0.500	1	04/10/2020 22:43	WG1459035
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2020 22:43	WG1459035
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2020 22:43	WG1459035
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2020 22:43	WG1459035
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2020 22:43	WG1459035
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2020 22:43	WG1459035
Vinyl acetate	U		0.645	5.00	1	04/10/2020 22:43	WG1459035
Vinyl chloride	U		0.118	0.500	1	04/10/2020 22:43	WG1459035
Xylenes, Total	U		0.316	1.50	1	04/10/2020 22:43	WG1459035
(S) Toluene-d8	*102*			*80.0-120*		*04/10/2020 22:43*	WG1459035
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/10/2020 22:43*	WG1459035
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*04/10/2020 22:43*	WG1459035

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	256000		8450	20000	1	04/15/2020 14:20	WG1459157

Sample Narrative:
L1207508-02 WG1459157: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	21400		379	1000	1	04/10/2020 13:22	WG1458694
Nitrate	U		48.0	100	1	04/10/2020 13:22	WG1458694
Sulfate	1890	J	594	5000	1	04/10/2020 13:22	WG1458694

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	3370	B	102	1000	1	04/10/2020 22:40	WG1458781

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	9280		244	500	5	04/13/2020 20:52	WG1458864
Manganese	821		1.32	5.00	1	04/13/2020 20:05	WG1458864

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	12700		2.87	6.78	10	04/13/2020 11:26	WG1459689
Ethane	U		0.296	1.29	1	04/11/2020 16:37	WG1459235
Ethene	U		0.422	1.27	1	04/11/2020 16:37	WG1459235

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/10/2020 23:04	WG1459035
Acrylonitrile	U		0.873	5.00	1	04/10/2020 23:04	WG1459035
Benzene	U		0.0896	0.500	1	04/10/2020 23:04	WG1459035
Bromobenzene	U		0.133	0.500	1	04/10/2020 23:04	WG1459035
Bromodichloromethane	U		0.0800	0.500	1	04/10/2020 23:04	WG1459035
Bromochloromethane	U		0.145	0.500	1	04/10/2020 23:04	WG1459035
Bromoform	U		0.186	0.500	1	04/10/2020 23:04	WG1459035
Bromomethane	U		0.157	2.50	1	04/10/2020 23:04	WG1459035
n-Butylbenzene	U		0.143	0.500	1	04/10/2020 23:04	WG1459035
sec-Butylbenzene	U		0.134	0.500	1	04/10/2020 23:04	WG1459035
tert-Butylbenzene	U		0.183	0.500	1	04/10/2020 23:04	WG1459035
Carbon disulfide	U		0.101	0.500	1	04/10/2020 23:04	WG1459035
Carbon tetrachloride	U		0.159	0.500	1	04/10/2020 23:04	WG1459035
Chlorobenzene	U		0.140	0.500	1	04/10/2020 23:04	WG1459035
Chlorodibromomethane	U		0.128	0.500	1	04/10/2020 23:04	WG1459035
Chloroethane	U		0.141	2.50	1	04/10/2020 23:04	WG1459035
Chloroform	U		0.0860	0.500	1	04/10/2020 23:04	WG1459035
Chloromethane	U		0.153	1.25	1	04/10/2020 23:04	WG1459035
2-Chlorotoluene	U		0.111	0.500	1	04/10/2020 23:04	WG1459035
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2020 23:04	WG1459035

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2020 23:04	WG1459035
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2020 23:04	WG1459035
Dibromomethane	U		0.117	0.500	1	04/10/2020 23:04	WG1459035
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2020 23:04	WG1459035
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2020 23:04	WG1459035
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2020 23:04	WG1459035
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2020 23:04	WG1459035
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2020 23:04	WG1459035
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2020 23:04	WG1459035
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2020 23:04	WG1459035
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/10/2020 23:04	WG1459035
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2020 23:04	WG1459035
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2020 23:04	WG1459035
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2020 23:04	WG1459035
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2020 23:04	WG1459035
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2020 23:04	WG1459035
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2020 23:04	WG1459035
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	04/10/2020 23:04	WG1459035
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2020 23:04	WG1459035
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2020 23:04	WG1459035
Ethylbenzene	U		0.158	0.500	1	04/10/2020 23:04	WG1459035
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2020 23:04	WG1459035
2-Hexanone	U		0.757	5.00	1	04/10/2020 23:04	WG1459035
n-Hexane	U		0.305	5.00	1	04/10/2020 23:04	WG1459035
Iodomethane	U		0.377	10.0	1	04/10/2020 23:04	WG1459035
Isopropylbenzene	U		0.126	0.500	1	04/10/2020 23:04	WG1459035
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2020 23:04	WG1459035
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2020 23:04	WG1459035
Methylene Chloride	U		1.07	2.50	1	04/10/2020 23:04	WG1459035
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2020 23:04	WG1459035
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2020 23:04	WG1459035
Naphthalene	U		0.174	2.50	1	04/10/2020 23:04	WG1459035
n-Propylbenzene	U		0.162	0.500	1	04/10/2020 23:04	WG1459035
Styrene	U		0.117	0.500	1	04/10/2020 23:04	WG1459035
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2020 23:04	WG1459035
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2020 23:04	WG1459035
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2020 23:04	WG1459035
Tetrachloroethene	U		0.199	0.500	1	04/10/2020 23:04	WG1459035
Toluene	U		0.412	0.500	1	04/10/2020 23:04	WG1459035
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2020 23:04	WG1459035
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2020 23:04	WG1459035
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2020 23:04	WG1459035
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2020 23:04	WG1459035
Trichloroethene	U		0.153	0.500	1	04/10/2020 23:04	WG1459035
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2020 23:04	WG1459035
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2020 23:04	WG1459035
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2020 23:04	WG1459035
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2020 23:04	WG1459035
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2020 23:04	WG1459035
Vinyl acetate	U		0.645	5.00	1	04/10/2020 23:04	WG1459035
Vinyl chloride	U		0.118	0.500	1	04/10/2020 23:04	WG1459035
Xylenes, Total	U		0.316	1.50	1	04/10/2020 23:04	WG1459035
(S) Toluene-d8	*103*			*80.0-120*		*04/10/2020 23:04*	WG1459035
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*04/10/2020 23:04*	WG1459035
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*04/10/2020 23:04*	WG1459035

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/10/2020 23:24	WG1459035
Acrylonitrile	U		0.873	5.00	1	04/10/2020 23:24	WG1459035
Benzene	U		0.0896	0.500	1	04/10/2020 23:24	WG1459035
Bromobenzene	U		0.133	0.500	1	04/10/2020 23:24	WG1459035
Bromodichloromethane	U		0.0800	0.500	1	04/10/2020 23:24	WG1459035
Bromochloromethane	U		0.145	0.500	1	04/10/2020 23:24	WG1459035
Bromoform	U		0.186	0.500	1	04/10/2020 23:24	WG1459035
Bromomethane	U		0.157	2.50	1	04/10/2020 23:24	WG1459035
n-Butylbenzene	U		0.143	0.500	1	04/10/2020 23:24	WG1459035
sec-Butylbenzene	U		0.134	0.500	1	04/10/2020 23:24	WG1459035
tert-Butylbenzene	U		0.183	0.500	1	04/10/2020 23:24	WG1459035
Carbon disulfide	U		0.101	0.500	1	04/10/2020 23:24	WG1459035
Carbon tetrachloride	U		0.159	0.500	1	04/10/2020 23:24	WG1459035
Chlorobenzene	U		0.140	0.500	1	04/10/2020 23:24	WG1459035
Chlorodibromomethane	U		0.128	0.500	1	04/10/2020 23:24	WG1459035
Chloroethane	U		0.141	2.50	1	04/10/2020 23:24	WG1459035
Chloroform	U		0.0860	0.500	1	04/10/2020 23:24	WG1459035
Chloromethane	U		0.153	1.25	1	04/10/2020 23:24	WG1459035
2-Chlorotoluene	U		0.111	0.500	1	04/10/2020 23:24	WG1459035
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2020 23:24	WG1459035
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2020 23:24	WG1459035
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2020 23:24	WG1459035
Dibromomethane	U		0.117	0.500	1	04/10/2020 23:24	WG1459035
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2020 23:24	WG1459035
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2020 23:24	WG1459035
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2020 23:24	WG1459035
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2020 23:24	WG1459035
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2020 23:24	WG1459035
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2020 23:24	WG1459035
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2020 23:24	WG1459035
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/10/2020 23:24	WG1459035
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2020 23:24	WG1459035
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2020 23:24	WG1459035
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2020 23:24	WG1459035
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2020 23:24	WG1459035
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2020 23:24	WG1459035
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2020 23:24	WG1459035
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	04/10/2020 23:24	WG1459035
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2020 23:24	WG1459035
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2020 23:24	WG1459035
Ethylbenzene	U		0.158	0.500	1	04/10/2020 23:24	WG1459035
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2020 23:24	WG1459035
2-Hexanone	U		0.757	5.00	1	04/10/2020 23:24	WG1459035
n-Hexane	U		0.305	5.00	1	04/10/2020 23:24	WG1459035
Iodomethane	U		0.377	10.0	1	04/10/2020 23:24	WG1459035
Isopropylbenzene	U		0.126	0.500	1	04/10/2020 23:24	WG1459035
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2020 23:24	WG1459035
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2020 23:24	WG1459035
Methylene Chloride	U		1.07	2.50	1	04/10/2020 23:24	WG1459035
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2020 23:24	WG1459035
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2020 23:24	WG1459035
Naphthalene	U		0.174	2.50	1	04/10/2020 23:24	WG1459035
n-Propylbenzene	U		0.162	0.500	1	04/10/2020 23:24	WG1459035
Styrene	U		0.117	0.500	1	04/10/2020 23:24	WG1459035
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2020 23:24	WG1459035
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2020 23:24	WG1459035

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2020 23:24	WG1459035
Tetrachloroethene	U		0.199	0.500	1	04/10/2020 23:24	WG1459035
Toluene	U		0.412	0.500	1	04/10/2020 23:24	WG1459035
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2020 23:24	WG1459035
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2020 23:24	WG1459035
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2020 23:24	WG1459035
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2020 23:24	WG1459035
Trichloroethene	U		0.153	0.500	1	04/10/2020 23:24	WG1459035
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2020 23:24	WG1459035
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2020 23:24	WG1459035
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2020 23:24	WG1459035
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2020 23:24	WG1459035
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2020 23:24	WG1459035
Vinyl acetate	U		0.645	5.00	1	04/10/2020 23:24	WG1459035
Vinyl chloride	U		0.118	0.500	1	04/10/2020 23:24	WG1459035
Xylenes, Total	U		0.316	1.50	1	04/10/2020 23:24	WG1459035
(S) Toluene-d8	*102*			*80.0-120*		*04/10/2020 23:24*	WG1459035
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*04/10/2020 23:24*	WG1459035
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*04/10/2020 23:24*	WG1459035

Method Blank (MB)

(MB) R3519006-1 04/15/20 12:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	U		8450	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3519006-5 04/15/20 14:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	103000	103	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3517633-1 04/10/20 09:23

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Chloride	U		379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1207508-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1207508-01 04/10/20 13:00 • (DUP) R3517633-3 04/10/20 13:11

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	7400	7290	1	1.52		15
Nitrate	U	0.000	1	0.000		15
Sulfate	2580	2530	1	1.84	J	15

L1207523-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1207523-01 04/10/20 19:31 • (DUP) R3517633-6 04/10/20 19:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	48300	47600	1	1.62		15
Nitrate	ND	0.000	1	0.000		15
Sulfate	96500	94500	1	2.16		15

Laboratory Control Sample (LCS)

(LCS) R3517633-2 04/10/20 09:34

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Chloride	40000	40100	100	80.0-120	
Nitrate	8000	7930	99.1	80.0-120	
Sulfate	40000	40400	101	80.0-120	

L1207508-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1207508-02 04/10/20 13:22 • (MS) R3517633-4 04/10/20 13:33 • (MSD) R3517633-5 04/10/20 13:44

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	21400	70100	70900	97.5	99.0	1	80.0-120			1.01	15
Nitrate	5000	U	4690	4730	93.7	94.5	1	80.0-120			0.814	15
Sulfate	50000	1890	50500	50700	97.1	97.7	1	80.0-120			0.561	15

L1207523-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1207523-02 04/10/20 19:53 • (MS) R3517633-7 04/10/20 20:04

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	48300	95900	95.2	1	80.0-120	
Nitrate	5000	1040	6130	102	1	80.0-120	
Sulfate	50000	103000	147000	89.5	1	80.0-120	E



Method Blank (MB)

(MB) R3517635-1 04/10/20 14:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	542	J	102	1000

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3517635-3 04/10/20 19:40

Analyte	Original Result	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC		6430	1	1.99		20

L1207533-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1207533-18 04/10/20 23:08 • (DUP) R3517635-6 04/10/20 23:21

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	1030	987	1	3.85	J	20

Laboratory Control Sample (LCS)

(LCS) R3517635-2 04/10/20 14:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC	75000	72800	97.1	85.0-115	

L1207508-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1207508-01 04/10/20 21:38 • (MS) R3517635-4 04/10/20 22:02 • (MSD) R3517635-5 04/10/20 22:26

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC	50000	4280	51400	52100	94.3	95.7	1	80.0-120			1.41	20

L1207533-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1207533-22 04/11/20 01:43 • (MS) R3517635-7 04/11/20 02:10 • (MSD) R3517635-8 04/11/20 02:33

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC	50000	ND	46600	47400	92.6	94.1	1	80.0-120			1.60	20

Method Blank (MB)

(MB) R3518256-1 04/13/20 19:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		48.9	100
Manganese	U		1.32	5.00

Laboratory Control Sample (LCS)

(LCS) R3518256-2 04/13/20 19:19

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	5000	4970	99.4	80.0-120	
Manganese	50.0	49.3	98.6	80.0-120	

L1207415-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1207415-01 04/13/20 19:23 • (MS) R3518256-4 04/13/20 19:30 • (MSD) R3518256-5 04/13/20 19:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	5000	ND	5050	5080	99.8	100	1	75.0-125			0.584	20
Manganese	50.0	24.7	72.4	75.5	95.4	102	1	75.0-125			4.17	20

Method Blank (MB)

(MB) R3517687-2 04/11/20 16:18

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

L1207533-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1207533-18 04/11/20 16:47 • (DUP) R3517687-3 04/11/20 16:49

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

Laboratory Control Sample (LCS)

(LCS) R3517687-1 04/11/20 16:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methane	67.8	64.2	94.7	85.0-115	
Ethane	129	123	95.3	85.0-115	
Ethene	127	118	92.9	85.0-115	

Method Blank (MB)

(MB) R3518188-2 04/13/20 11:24

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

L1207793-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1207793-04 04/13/20 13:22 • (DUP) R3518188-3 04/13/20 13:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	1750	1740	1	0.573		20

L1208051-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1208051-06 04/13/20 14:03 • (DUP) R3518188-4 04/13/20 15:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	111	96.6	1	13.9		20

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

(LCS) R3518188-1 04/13/20 11:18 • (LCSD) R3518188-5 04/13/20 15:13

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	65.5	62.8	96.6	92.6	85.0-115			4.21	20

Method Blank (MB)

(MB) R3518167-3 04/10/20 18:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3518167-3 04/10/20 18:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

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

(LCS) R3518167-1 04/10/20 17:43 • (LCSD) R3518167-2 04/10/20 18:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	27.8	28.3	111	113	19.0-160			1.78	27
Acrylonitrile	25.0	24.1	24.7	96.4	98.8	55.0-149			2.46	20
Benzene	5.00	5.00	4.74	100	94.8	70.0-123			5.34	20
Bromobenzene	5.00	4.79	4.64	95.8	92.8	73.0-121			3.18	20
Bromodichloromethane	5.00	5.01	4.88	100	97.6	75.0-120			2.63	20
Bromochloromethane	5.00	5.36	5.50	107	110	76.0-122			2.58	20
Bromoform	5.00	5.63	5.50	113	110	68.0-132			2.34	20
Bromomethane	5.00	5.12	5.26	102	105	10.0-160			2.70	25
n-Butylbenzene	5.00	5.39	5.34	108	107	73.0-125			0.932	20
sec-Butylbenzene	5.00	5.37	5.48	107	110	75.0-125			2.03	20
tert-Butylbenzene	5.00	5.57	5.54	111	111	76.0-124			0.540	20
Carbon disulfide	5.00	4.80	5.02	96.0	100	61.0-128			4.48	20
Carbon tetrachloride	5.00	5.40	5.54	108	111	68.0-126			2.56	20
Chlorobenzene	5.00	5.29	5.15	106	103	80.0-121			2.68	20
Chlorodibromomethane	5.00	5.35	5.23	107	105	77.0-125			2.27	20
Chloroethane	5.00	5.23	5.02	105	100	47.0-150			4.10	20
Chloroform	5.00	4.91	4.93	98.2	98.6	73.0-120			0.406	20
Chloromethane	5.00	4.80	4.84	96.0	96.8	41.0-142			0.830	20
2-Chlorotoluene	5.00	5.06	5.23	101	105	76.0-123			3.30	20
4-Chlorotoluene	5.00	5.45	5.53	109	111	75.0-122			1.46	20
1,2-Dibromo-3-Chloropropane	5.00	4.71	4.53	94.2	90.6	58.0-134			3.90	20
1,2-Dibromoethane	5.00	5.56	5.19	111	104	80.0-122			6.88	20
Dibromomethane	5.00	5.53	5.26	111	105	80.0-120			5.00	20
1,2-Dichlorobenzene	5.00	5.39	5.47	108	109	79.0-121			1.47	20
1,3-Dichlorobenzene	5.00	5.73	5.65	115	113	79.0-120			1.41	20
1,4-Dichlorobenzene	5.00	5.26	5.13	105	103	79.0-120			2.50	20
Dichlorodifluoromethane	5.00	5.20	5.22	104	104	51.0-149			0.384	20
1,1-Dichloroethane	5.00	5.06	5.13	101	103	70.0-126			1.37	20
1,2-Dichloroethane	5.00	4.87	4.81	97.4	96.2	70.0-128			1.24	20
1,1-Dichloroethene	5.00	4.91	4.77	98.2	95.4	71.0-124			2.89	20
cis-1,2-Dichloroethene	5.00	5.21	5.32	104	106	73.0-120			2.09	20
trans-1,2-Dichloroethene	5.00	5.03	5.24	101	105	73.0-120			4.09	20
1,2-Dichloropropane	5.00	5.06	5.17	101	103	77.0-125			2.15	20
1,1-Dichloropropene	5.00	5.22	5.09	104	102	74.0-126			2.52	20
1,3-Dichloropropane	5.00	5.65	5.43	113	109	80.0-120			3.97	20
cis-1,3-Dichloropropene	5.00	5.45	5.28	109	106	80.0-123			3.17	20
trans-1,3-Dichloropropene	5.00	5.38	5.38	108	108	78.0-124			0.000	20
trans-1,4-Dichloro-2-butene	5.00	3.77	3.99	75.4	79.8	33.0-144			5.67	20
2,2-Dichloropropane	5.00	4.81	4.90	96.2	98.0	58.0-130			1.85	20
Di-isopropyl ether	5.00	5.08	5.25	102	105	58.0-138			3.29	20

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

(LCS) R3518167-1 04/10/20 17:43 • (LCSD) R3518167-2 04/10/20 18:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	5.19	5.08	104	102	79.0-123			2.14	20
Hexachloro-1,3-butadiene	5.00	4.59	5.24	91.8	105	54.0-138			13.2	20
2-Hexanone	25.0	26.8	26.7	107	107	67.0-149			0.374	20
n-Hexane	5.00	4.80	4.55	96.0	91.0	57.0-133			5.35	20
Iodomethane	25.0	26.1	25.5	104	102	33.0-147			2.33	26
Isopropylbenzene	5.00	5.92	5.71	118	114	76.0-127			3.61	20
p-Isopropyltoluene	5.00	5.45	5.63	109	113	76.0-125			3.25	20
2-Butanone (MEK)	25.0	24.8	25.3	99.2	101	44.0-160			2.00	20
Methylene Chloride	5.00	5.04	5.15	101	103	67.0-120			2.16	20
4-Methyl-2-pentanone (MIBK)	25.0	25.3	24.9	101	99.6	68.0-142			1.59	20
Methyl tert-butyl ether	5.00	5.15	5.23	103	105	68.0-125			1.54	20
Naphthalene	5.00	5.27	5.07	105	101	54.0-135			3.87	20
n-Propylbenzene	5.00	5.14	5.03	103	101	77.0-124			2.16	20
Styrene	5.00	5.77	5.51	115	110	73.0-130			4.61	20
1,1,1,2-Tetrachloroethane	5.00	5.45	5.43	109	109	75.0-125			0.368	20
1,1,2,2-Tetrachloroethane	5.00	4.90	5.04	98.0	101	65.0-130			2.82	20
1,1,2-Trichlorotrifluoroethane	5.00	4.67	5.04	93.4	101	69.0-132			7.62	20
Tetrachloroethene	5.00	5.73	5.61	115	112	72.0-132			2.12	20
Toluene	5.00	5.13	4.93	103	98.6	79.0-120			3.98	20
1,2,3-Trichlorobenzene	5.00	4.96	4.98	99.2	99.6	50.0-138			0.402	20
1,2,4-Trichlorobenzene	5.00	5.47	5.14	109	103	57.0-137			6.22	20
1,1,1-Trichloroethane	5.00	4.84	5.32	96.8	106	73.0-124			9.45	20
1,1,2-Trichloroethane	5.00	5.02	5.16	100	103	80.0-120			2.75	20
Trichloroethene	5.00	5.53	5.43	111	109	78.0-124			1.82	20
Trichlorofluoromethane	5.00	5.15	5.13	103	103	59.0-147			0.389	20
1,2,3-Trichloropropane	5.00	4.95	5.09	99.0	102	73.0-130			2.79	20
1,2,4-Trimethylbenzene	5.00	5.58	5.65	112	113	76.0-121			1.25	20
1,2,3-Trimethylbenzene	5.00	5.39	5.59	108	112	77.0-120			3.64	20
1,3,5-Trimethylbenzene	5.00	5.56	5.54	111	111	76.0-122			0.360	20
Vinyl acetate	25.0	24.0	23.3	96.0	93.2	11.0-160			2.96	20
Vinyl chloride	5.00	5.06	5.20	101	104	67.0-131			2.73	20
Xylenes, Total	15.0	16.7	16.8	111	112	79.0-123			0.597	20
(S) Toluene-d8				*106*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*100*	*100*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.

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

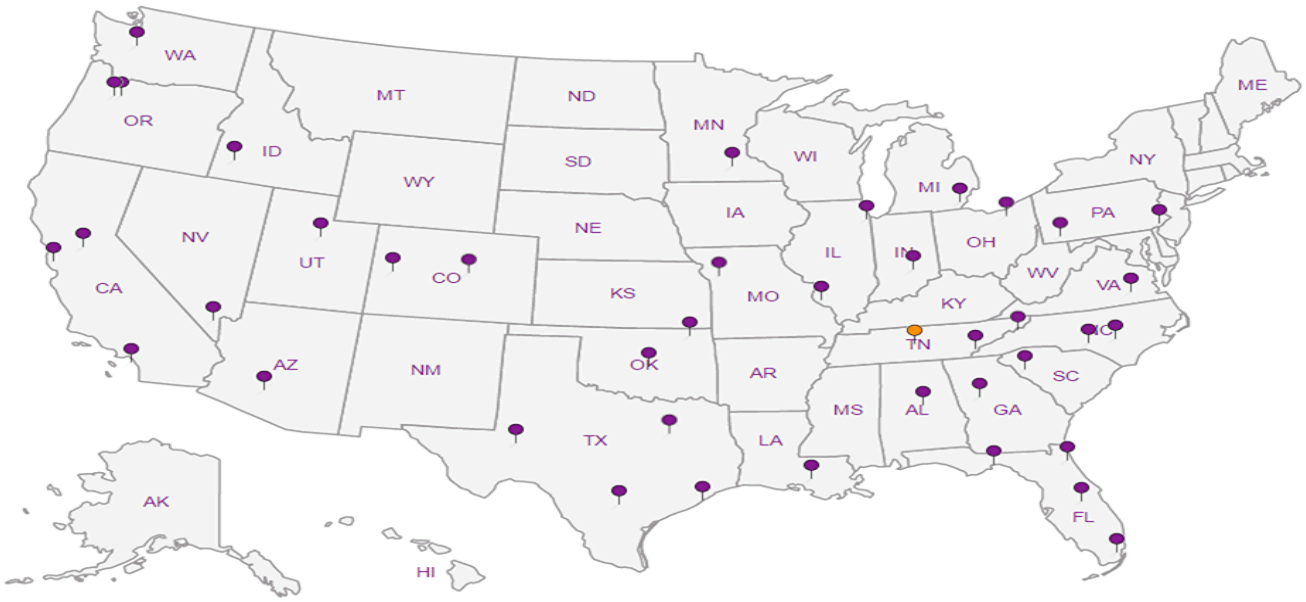
Third Party Federal Accreditations

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.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;sm

Project Description: American Linen

City/State Collected: Seattle, WA

Please Circle: PT MT CT ET

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.02.501E

Lab Project # PESENVSWA-ALP

Collected by (print): Sean Kouvousky

Site/Facility ID # American Linen

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM RSK175LL 40mlAmb-HCl	NWTPHGX 40mlAmb HCl	TOC 250mlHDPE-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	VOCs LL 8260D 40mlAmb-HCl			Remarks	Sample # (lab only)
MW126-040920	Grab	GW	90'	4/9/20	1030	9	X	X	X		X	X	X				-01
MW-327-040920	Grab	GW	35'	4/9/20	1145	9	X	X	X		X	X	X				-02
SMW-3-040920	Grab	GW	15'	4/9/20	1245	3							X				-03
		GW															
		GW															
		GW															
		GW															
		GW															

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

SDG # L1207508
A113

Acctnum: PESENVSWA
Template: T165314
Prelogin: P763876
PM: 110 - Brian Ford
PB:
Shipped Via:

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

Remarks: *Nitrate has a 48 hour holding time.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 167627498201

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

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	4/9/20	1500		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: IR#A3 °C Bottles Received: 0+3=3 21
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/10/20 Time: 8:30
			Sandy Closs	Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 22, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1209078
Samples Received:	04/15/2020
Project Number:	1413.001.02.501B
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

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-343-5 L1209078-01 Solid

Collected by: RTM | Collected date/time: 04/13/20 10:10 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463616	1	04/21/20 13:20	04/21/20 13:29	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 10:10	04/17/20 14:04	BMB	Mt. Juliet, TN

MW-343-10 L1209078-02 Solid

Collected by: RTM | Collected date/time: 04/13/20 10:15 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463616	1	04/21/20 13:20	04/21/20 13:29	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 10:15	04/17/20 14:23	BMB	Mt. Juliet, TN

MW-343-12.5 L1209078-03 Solid

Collected by: RTM | Collected date/time: 04/13/20 10:25 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463616	1	04/21/20 13:20	04/21/20 13:29	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 10:25	04/17/20 14:42	BMB	Mt. Juliet, TN

MW-343-17 L1209078-04 Solid

Collected by: RTM | Collected date/time: 04/13/20 10:35 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463616	1	04/21/20 13:20	04/21/20 13:29	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 10:35	04/17/20 15:01	BMB	Mt. Juliet, TN

MW-343-24 L1209078-05 Solid

Collected by: RTM | Collected date/time: 04/13/20 11:05 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463616	1	04/21/20 13:20	04/21/20 13:29	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 11:05	04/17/20 15:20	BMB	Mt. Juliet, TN

MW-343-28.5 L1209078-06 Solid

Collected by: RTM | Collected date/time: 04/13/20 11:10 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463617	1	04/21/20 13:11	04/21/20 13:18	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 11:10	04/17/20 15:38	BMB	Mt. Juliet, TN

MW-343-35 L1209078-07 Solid

Collected by: RTM | Collected date/time: 04/13/20 11:40 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463617	1	04/21/20 13:11	04/21/20 13:18	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 11:40	04/17/20 15:57	BMB	Mt. Juliet, TN

MW-343-38 L1209078-08 Solid

Collected by: RTM | Collected date/time: 04/13/20 12:00 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463617	1	04/21/20 13:11	04/21/20 13:18	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 12:00	04/17/20 16:16	BMB	Mt. Juliet, TN

MW-343-44 L1209078-09 Solid

Collected by: RTM | Collected date/time: 04/13/20 12:38 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463617	1	04/21/20 13:11	04/21/20 13:18	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 12:38	04/17/20 16:35	BMB	Mt. Juliet, TN

MW-343-47 L1209078-10 Solid

Collected by: RTM | Collected date/time: 04/13/20 12:50 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463617	1	04/21/20 13:11	04/21/20 13:18	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 12:50	04/17/20 16:54	BMB	Mt. Juliet, TN

MW-343-51 L1209078-11 Solid

Collected by: RTM | Collected date/time: 04/13/20 13:55 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463617	1	04/21/20 13:11	04/21/20 13:18	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 13:55	04/17/20 17:13	BMB	Mt. Juliet, TN

MW-343-55 L1209078-12 Solid

Collected by: RTM | Collected date/time: 04/13/20 14:00 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463617	1	04/21/20 13:11	04/21/20 13:18	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 14:00	04/17/20 17:32	BMB	Mt. Juliet, TN

MW-343-62 L1209078-13 Solid

Collected by: RTM | Collected date/time: 04/13/20 15:02 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463617	1	04/21/20 13:11	04/21/20 13:18	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 15:02	04/17/20 17:51	BMB	Mt. Juliet, TN

MW-343-68 L1209078-14 Solid

Collected by: RTM | Collected date/time: 04/13/20 15:10 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463617	1	04/21/20 13:11	04/21/20 13:18	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 15:10	04/17/20 18:10	BMB	Mt. Juliet, TN

MW-343-73 L1209078-15 Solid

Collected by: RTM | Collected date/time: 04/13/20 15:15 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463617	1	04/21/20 13:11	04/21/20 13:18	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 15:15	04/17/20 18:29	BMB	Mt. Juliet, TN

MW-343-79 L1209078-16 Solid

Collected by: RTM | Collected date/time: 04/13/20 15:25 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463618	1	04/21/20 13:00	04/21/20 13:09	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 15:25	04/17/20 18:48	BMB	Mt. Juliet, TN

MW-343-82 L1209078-17 Solid

Collected by: RTM | Collected date/time: 04/13/20 15:45 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463618	1	04/21/20 13:00	04/21/20 13:09	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 15:45	04/17/20 19:08	BMB	Mt. Juliet, TN

MW-343-86 L1209078-18 Solid

Collected by: RTM | Collected date/time: 04/13/20 15:47 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463618	1	04/21/20 13:00	04/21/20 13:09	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 15:47	04/17/20 19:27	BMB	Mt. Juliet, TN

MW-343-93 L1209078-19 Solid

Collected by: RTM | Collected date/time: 04/13/20 16:00 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463618	1	04/21/20 13:00	04/21/20 13:09	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 16:00	04/17/20 19:46	BMB	Mt. Juliet, TN

MW-343-99 L1209078-20 Solid

Collected by: RTM | Collected date/time: 04/13/20 16:05 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463618	1	04/21/20 13:00	04/21/20 13:09	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462208	1	04/13/20 16:05	04/17/20 20:04	BMB	Mt. Juliet, TN

MW-343-102 L1209078-21 Solid

Collected by: RTM | Collected date/time: 04/14/20 11:04 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463618	1	04/21/20 13:00	04/21/20 13:09	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462349	1	04/14/20 11:04	04/17/20 15:41	BMB	Mt. Juliet, TN

MW-343-106 L1209078-22 Solid

Collected by: RTM | Collected date/time: 04/14/20 11:55 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463618	1	04/21/20 13:00	04/21/20 13:09	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462349	1	04/14/20 11:55	04/17/20 16:00	BMB	Mt. Juliet, TN

MW-343-108 L1209078-23 Solid

Collected by: RTM | Collected date/time: 04/14/20 12:00 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463618	1	04/21/20 13:00	04/21/20 13:09	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462349	1	04/14/20 12:00	04/17/20 16:19	BMB	Mt. Juliet, TN

MW-2017-102 L1209078-24 Solid

Collected by: RTM | Collected date/time: 04/14/20 09:00 | Received date/time: 04/15/20 08:30

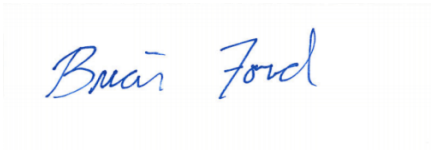
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1463618	1	04/21/20 13:00	04/21/20 13:09	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462349	1	04/14/20 09:00	04/17/20 16:38	BMB	Mt. Juliet, TN

TB-041420 L1209078-25 GW

Collected by: RTM | Collected date/time: 04/14/20 13:30 | Received date/time: 04/15/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1461987	1	04/16/20 21:00	04/16/20 21:00	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1462361	1	04/17/20 18:16	04/17/20 18:16	ADM	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.



Brian Ford
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	04/21/2020 13:29	WG1463616

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0412	0.0565	1	04/17/2020 14:04	WG1462208
Acrylonitrile	U		0.00408	0.0141	1	04/17/2020 14:04	WG1462208
Benzene	0.119		0.000528	0.00113	1	04/17/2020 14:04	WG1462208
Bromobenzene	U		0.00102	0.0141	1	04/17/2020 14:04	WG1462208
Bromodichloromethane	U		0.000819	0.00282	1	04/17/2020 14:04	WG1462208
Bromochloromethane	U		0.000637	0.00565	1	04/17/2020 14:04	WG1462208
Bromoform	U		0.00132	0.0282	1	04/17/2020 14:04	WG1462208
Bromomethane	U		0.00223	0.0141	1	04/17/2020 14:04	WG1462208
n-Butylbenzene	U		0.00593	0.0141	1	04/17/2020 14:04	WG1462208
sec-Butylbenzene	U		0.00325	0.0141	1	04/17/2020 14:04	WG1462208
tert-Butylbenzene	U		0.00220	0.00565	1	04/17/2020 14:04	WG1462208
Carbon disulfide	0.00147	J	0.000791	0.0141	1	04/17/2020 14:04	WG1462208
Carbon tetrachloride	U		0.00101	0.00565	1	04/17/2020 14:04	WG1462208
Chlorobenzene	U		0.000237	0.00282	1	04/17/2020 14:04	WG1462208
Chlorodibromomethane	U		0.000691	0.00282	1	04/17/2020 14:04	WG1462208
Chloroethane	U		0.00192	0.00565	1	04/17/2020 14:04	WG1462208
Chloroform	U		0.00116	0.00282	1	04/17/2020 14:04	WG1462208
Chloromethane	U		0.00491	0.0141	1	04/17/2020 14:04	WG1462208
2-Chlorotoluene	U		0.000977	0.00282	1	04/17/2020 14:04	WG1462208
4-Chlorotoluene	U		0.000508	0.00565	1	04/17/2020 14:04	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00441	0.0282	1	04/17/2020 14:04	WG1462208
1,2-Dibromoethane	U		0.000732	0.00282	1	04/17/2020 14:04	WG1462208
Dibromomethane	U		0.000847	0.00565	1	04/17/2020 14:04	WG1462208
1,2-Dichlorobenzene	U		0.000480	0.00565	1	04/17/2020 14:04	WG1462208
1,3-Dichlorobenzene	U		0.000678	0.00565	1	04/17/2020 14:04	WG1462208
1,4-Dichlorobenzene	U		0.000791	0.00565	1	04/17/2020 14:04	WG1462208
Dichlorodifluoromethane	U		0.00182	0.00282	1	04/17/2020 14:04	WG1462208
1,1-Dichloroethane	U		0.000555	0.00282	1	04/17/2020 14:04	WG1462208
1,2-Dichloroethane	U		0.000733	0.00282	1	04/17/2020 14:04	WG1462208
1,1-Dichloroethene	U		0.000685	0.00282	1	04/17/2020 14:04	WG1462208
cis-1,2-Dichloroethene	U		0.000829	0.00282	1	04/17/2020 14:04	WG1462208
trans-1,2-Dichloroethene	U		0.00117	0.00565	1	04/17/2020 14:04	WG1462208
1,2-Dichloropropane	U	J4	0.00160	0.00565	1	04/17/2020 14:04	WG1462208
1,1-Dichloropropene	U		0.000914	0.00282	1	04/17/2020 14:04	WG1462208
1,3-Dichloropropane	U		0.000566	0.00565	1	04/17/2020 14:04	WG1462208
cis-1,3-Dichloropropene	U		0.000855	0.00282	1	04/17/2020 14:04	WG1462208
trans-1,3-Dichloropropene	U		0.00129	0.00565	1	04/17/2020 14:04	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00210	0.00565	1	04/17/2020 14:04	WG1462208
2,2-Dichloropropane	U		0.00156	0.00282	1	04/17/2020 14:04	WG1462208
Di-isopropyl ether	U		0.000463	0.00113	1	04/17/2020 14:04	WG1462208
Ethylbenzene	0.0348		0.000833	0.00282	1	04/17/2020 14:04	WG1462208
Hexachloro-1,3-butadiene	U		0.00678	0.0282	1	04/17/2020 14:04	WG1462208
2-Hexanone	U		0.00380	0.0282	1	04/17/2020 14:04	WG1462208
n-Hexane	0.0198		0.00255	0.00565	1	04/17/2020 14:04	WG1462208
Iodomethane	U		0.00262	0.0141	1	04/17/2020 14:04	WG1462208
Isopropylbenzene	0.00181	J	0.000480	0.00282	1	04/17/2020 14:04	WG1462208
p-Isopropyltoluene	0.00439	J	0.00288	0.00565	1	04/17/2020 14:04	WG1462208
2-Butanone (MEK)	U		0.0717	0.113	1	04/17/2020 14:04	WG1462208
Methylene Chloride	U		0.00750	0.0282	1	04/17/2020 14:04	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00258	0.0282	1	04/17/2020 14:04	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000395	0.00113	1	04/17/2020 14:04	WG1462208
Naphthalene	U		0.00551	0.0141	1	04/17/2020 14:04	WG1462208
n-Propylbenzene	U		0.00107	0.00565	1	04/17/2020 14:04	WG1462208
Styrene	U		0.000259	0.0141	1	04/17/2020 14:04	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00107	0.00282	1	04/17/2020 14:04	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000785	0.00282	1	04/17/2020 14:04	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000852	0.00282	1	04/17/2020 14:04	WG1462208
Tetrachloroethene	U		0.00101	0.00282	1	04/17/2020 14:04	WG1462208
Toluene	0.0154		0.00147	0.00565	1	04/17/2020 14:04	WG1462208
1,2,3-Trichlorobenzene	U		0.00828	0.0141	1	04/17/2020 14:04	WG1462208
1,2,4-Trichlorobenzene	U		0.00497	0.0141	1	04/17/2020 14:04	WG1462208
1,1,1-Trichloroethane	U		0.00104	0.00282	1	04/17/2020 14:04	WG1462208
1,1,2-Trichloroethane	U		0.000674	0.00282	1	04/17/2020 14:04	WG1462208
Trichloroethene	U		0.000660	0.00113	1	04/17/2020 14:04	WG1462208
Trichlorofluoromethane	U		0.000934	0.00282	1	04/17/2020 14:04	WG1462208
1,2,3-Trichloropropane	U		0.00183	0.0141	1	04/17/2020 14:04	WG1462208
1,2,4-Trimethylbenzene	0.00503	J	0.00178	0.00565	1	04/17/2020 14:04	WG1462208
1,2,3-Trimethylbenzene	0.00293	J	0.00178	0.00565	1	04/17/2020 14:04	WG1462208
1,3,5-Trimethylbenzene	0.00291	J	0.00226	0.00565	1	04/17/2020 14:04	WG1462208
Vinyl acetate	U		0.00287	0.0141	1	04/17/2020 14:04	WG1462208
Vinyl chloride	U		0.00131	0.00282	1	04/17/2020 14:04	WG1462208
Xylenes, Total	0.0811		0.000994	0.00734	1	04/17/2020 14:04	WG1462208
(S) Toluene-d8	*105*			*75.0-131*		*04/17/2020 14:04*	WG1462208
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*04/17/2020 14:04*	WG1462208
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*04/17/2020 14:04*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.5		1	04/21/2020 13:29	WG1463616

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0432	0.0592	1	04/17/2020 14:23	WG1462208
Acrylonitrile	U		0.00427	0.0148	1	04/17/2020 14:23	WG1462208
Benzene	0.0536		0.000553	0.00118	1	04/17/2020 14:23	WG1462208
Bromobenzene	U		0.00107	0.0148	1	04/17/2020 14:23	WG1462208
Bromodichloromethane	U		0.000858	0.00296	1	04/17/2020 14:23	WG1462208
Bromochloromethane	U		0.000668	0.00592	1	04/17/2020 14:23	WG1462208
Bromoform	U		0.00139	0.0296	1	04/17/2020 14:23	WG1462208
Bromomethane	U		0.00233	0.0148	1	04/17/2020 14:23	WG1462208
n-Butylbenzene	U		0.00622	0.0148	1	04/17/2020 14:23	WG1462208
sec-Butylbenzene	U		0.00341	0.0148	1	04/17/2020 14:23	WG1462208
tert-Butylbenzene	U		0.00231	0.00592	1	04/17/2020 14:23	WG1462208
Carbon disulfide	0.00176	J	0.000829	0.0148	1	04/17/2020 14:23	WG1462208
Carbon tetrachloride	U		0.00106	0.00592	1	04/17/2020 14:23	WG1462208
Chlorobenzene	U		0.000249	0.00296	1	04/17/2020 14:23	WG1462208
Chlorodibromomethane	U		0.000725	0.00296	1	04/17/2020 14:23	WG1462208
Chloroethane	U		0.00201	0.00592	1	04/17/2020 14:23	WG1462208
Chloroform	U		0.00122	0.00296	1	04/17/2020 14:23	WG1462208
Chloromethane	U		0.00515	0.0148	1	04/17/2020 14:23	WG1462208
2-Chlorotoluene	U		0.00102	0.00296	1	04/17/2020 14:23	WG1462208
4-Chlorotoluene	U		0.000533	0.00592	1	04/17/2020 14:23	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00462	0.0296	1	04/17/2020 14:23	WG1462208
1,2-Dibromoethane	U		0.000767	0.00296	1	04/17/2020 14:23	WG1462208
Dibromomethane	U		0.000888	0.00592	1	04/17/2020 14:23	WG1462208
1,2-Dichlorobenzene	U		0.000503	0.00592	1	04/17/2020 14:23	WG1462208
1,3-Dichlorobenzene	U		0.000710	0.00592	1	04/17/2020 14:23	WG1462208
1,4-Dichlorobenzene	U		0.000829	0.00592	1	04/17/2020 14:23	WG1462208
Dichlorodifluoromethane	U		0.00191	0.00296	1	04/17/2020 14:23	WG1462208
1,1-Dichloroethane	U		0.000581	0.00296	1	04/17/2020 14:23	WG1462208
1,2-Dichloroethane	U		0.000768	0.00296	1	04/17/2020 14:23	WG1462208
1,1-Dichloroethene	U		0.000717	0.00296	1	04/17/2020 14:23	WG1462208
cis-1,2-Dichloroethene	U		0.000869	0.00296	1	04/17/2020 14:23	WG1462208
trans-1,2-Dichloroethene	U		0.00123	0.00592	1	04/17/2020 14:23	WG1462208
1,2-Dichloropropane	U	J4	0.00168	0.00592	1	04/17/2020 14:23	WG1462208
1,1-Dichloropropene	U		0.000958	0.00296	1	04/17/2020 14:23	WG1462208
1,3-Dichloropropane	U		0.000593	0.00592	1	04/17/2020 14:23	WG1462208
cis-1,3-Dichloropropene	U		0.000896	0.00296	1	04/17/2020 14:23	WG1462208
trans-1,3-Dichloropropene	U		0.00135	0.00592	1	04/17/2020 14:23	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00220	0.00592	1	04/17/2020 14:23	WG1462208
2,2-Dichloropropane	U		0.00163	0.00296	1	04/17/2020 14:23	WG1462208
Di-isopropyl ether	U		0.000485	0.00118	1	04/17/2020 14:23	WG1462208
Ethylbenzene	0.00373		0.000873	0.00296	1	04/17/2020 14:23	WG1462208
Hexachloro-1,3-butadiene	U		0.00710	0.0296	1	04/17/2020 14:23	WG1462208
2-Hexanone	U		0.00398	0.0296	1	04/17/2020 14:23	WG1462208
n-Hexane	0.0152		0.00268	0.00592	1	04/17/2020 14:23	WG1462208
Iodomethane	U		0.00275	0.0148	1	04/17/2020 14:23	WG1462208
Isopropylbenzene	0.00136	J	0.000503	0.00296	1	04/17/2020 14:23	WG1462208
p-Isopropyltoluene	U		0.00302	0.00592	1	04/17/2020 14:23	WG1462208
2-Butanone (MEK)	U		0.0752	0.118	1	04/17/2020 14:23	WG1462208
Methylene Chloride	U		0.00786	0.0296	1	04/17/2020 14:23	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00270	0.0296	1	04/17/2020 14:23	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000414	0.00118	1	04/17/2020 14:23	WG1462208
Naphthalene	0.00772	J	0.00578	0.0148	1	04/17/2020 14:23	WG1462208
n-Propylbenzene	U		0.00112	0.00592	1	04/17/2020 14:23	WG1462208
Styrene	U		0.000271	0.0148	1	04/17/2020 14:23	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00112	0.00296	1	04/17/2020 14:23	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000823	0.00296	1	04/17/2020 14:23	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000893	0.00296	1	04/17/2020 14:23	WG1462208
Tetrachloroethene	U		0.00106	0.00296	1	04/17/2020 14:23	WG1462208
Toluene	0.00605		0.00154	0.00592	1	04/17/2020 14:23	WG1462208
1,2,3-Trichlorobenzene	U		0.00868	0.0148	1	04/17/2020 14:23	WG1462208
1,2,4-Trichlorobenzene	U		0.00521	0.0148	1	04/17/2020 14:23	WG1462208
1,1,1-Trichloroethane	U		0.00109	0.00296	1	04/17/2020 14:23	WG1462208
1,1,2-Trichloroethane	U		0.000707	0.00296	1	04/17/2020 14:23	WG1462208
Trichloroethene	U		0.000691	0.00118	1	04/17/2020 14:23	WG1462208
Trichlorofluoromethane	U		0.000979	0.00296	1	04/17/2020 14:23	WG1462208
1,2,3-Trichloropropane	U		0.00192	0.0148	1	04/17/2020 14:23	WG1462208
1,2,4-Trimethylbenzene	U		0.00187	0.00592	1	04/17/2020 14:23	WG1462208
1,2,3-Trimethylbenzene	U		0.00187	0.00592	1	04/17/2020 14:23	WG1462208
1,3,5-Trimethylbenzene	U		0.00237	0.00592	1	04/17/2020 14:23	WG1462208
Vinyl acetate	U		0.00301	0.0148	1	04/17/2020 14:23	WG1462208
Vinyl chloride	U		0.00137	0.00296	1	04/17/2020 14:23	WG1462208
Xylenes, Total	0.00855		0.00104	0.00770	1	04/17/2020 14:23	WG1462208
(S) Toluene-d8	*105*			*75.0-131*		*04/17/2020 14:23*	WG1462208
(S) 4-Bromofluorobenzene	*98.8*			*67.0-138*		*04/17/2020 14:23*	WG1462208
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*04/17/2020 14:23*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.5		1	04/21/2020 13:29	WG1463616

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0448	0.0613	1	04/17/2020 14:42	WG1462208
Acrylonitrile	U		0.00443	0.0153	1	04/17/2020 14:42	WG1462208
Benzene	U		0.000573	0.00123	1	04/17/2020 14:42	WG1462208
Bromobenzene	U		0.00110	0.0153	1	04/17/2020 14:42	WG1462208
Bromodichloromethane	U		0.000890	0.00307	1	04/17/2020 14:42	WG1462208
Bromochloromethane	U		0.000692	0.00613	1	04/17/2020 14:42	WG1462208
Bromoform	U		0.00144	0.0307	1	04/17/2020 14:42	WG1462208
Bromomethane	U		0.00242	0.0153	1	04/17/2020 14:42	WG1462208
n-Butylbenzene	U		0.00644	0.0153	1	04/17/2020 14:42	WG1462208
sec-Butylbenzene	U		0.00353	0.0153	1	04/17/2020 14:42	WG1462208
tert-Butylbenzene	U		0.00239	0.00613	1	04/17/2020 14:42	WG1462208
Carbon disulfide	U		0.000859	0.0153	1	04/17/2020 14:42	WG1462208
Carbon tetrachloride	U		0.00110	0.00613	1	04/17/2020 14:42	WG1462208
Chlorobenzene	U		0.000258	0.00307	1	04/17/2020 14:42	WG1462208
Chlorodibromomethane	U		0.000751	0.00307	1	04/17/2020 14:42	WG1462208
Chloroethane	U		0.00209	0.00613	1	04/17/2020 14:42	WG1462208
Chloroform	U		0.00126	0.00307	1	04/17/2020 14:42	WG1462208
Chloromethane	U		0.00534	0.0153	1	04/17/2020 14:42	WG1462208
2-Chlorotoluene	U		0.00106	0.00307	1	04/17/2020 14:42	WG1462208
4-Chlorotoluene	U		0.000552	0.00613	1	04/17/2020 14:42	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00479	0.0307	1	04/17/2020 14:42	WG1462208
1,2-Dibromoethane	U		0.000795	0.00307	1	04/17/2020 14:42	WG1462208
Dibromomethane	U		0.000920	0.00613	1	04/17/2020 14:42	WG1462208
1,2-Dichlorobenzene	U		0.000521	0.00613	1	04/17/2020 14:42	WG1462208
1,3-Dichlorobenzene	U		0.000736	0.00613	1	04/17/2020 14:42	WG1462208
1,4-Dichlorobenzene	U		0.000859	0.00613	1	04/17/2020 14:42	WG1462208
Dichlorodifluoromethane	U		0.00198	0.00307	1	04/17/2020 14:42	WG1462208
1,1-Dichloroethane	U		0.000602	0.00307	1	04/17/2020 14:42	WG1462208
1,2-Dichloroethane	U		0.000796	0.00307	1	04/17/2020 14:42	WG1462208
1,1-Dichloroethene	U		0.000744	0.00307	1	04/17/2020 14:42	WG1462208
cis-1,2-Dichloroethene	U		0.000901	0.00307	1	04/17/2020 14:42	WG1462208
trans-1,2-Dichloroethene	U		0.00128	0.00613	1	04/17/2020 14:42	WG1462208
1,2-Dichloropropane	U	J4	0.00174	0.00613	1	04/17/2020 14:42	WG1462208
1,1-Dichloropropene	U		0.000993	0.00307	1	04/17/2020 14:42	WG1462208
1,3-Dichloropropane	U		0.000615	0.00613	1	04/17/2020 14:42	WG1462208
cis-1,3-Dichloropropene	U		0.000929	0.00307	1	04/17/2020 14:42	WG1462208
trans-1,3-Dichloropropene	U		0.00140	0.00613	1	04/17/2020 14:42	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00228	0.00613	1	04/17/2020 14:42	WG1462208
2,2-Dichloropropane	U		0.00169	0.00307	1	04/17/2020 14:42	WG1462208
Di-isopropyl ether	U		0.000503	0.00123	1	04/17/2020 14:42	WG1462208
Ethylbenzene	U		0.000904	0.00307	1	04/17/2020 14:42	WG1462208
Hexachloro-1,3-butadiene	U		0.00736	0.0307	1	04/17/2020 14:42	WG1462208
2-Hexanone	U		0.00412	0.0307	1	04/17/2020 14:42	WG1462208
n-Hexane	U		0.00277	0.00613	1	04/17/2020 14:42	WG1462208
Iodomethane	U		0.00285	0.0153	1	04/17/2020 14:42	WG1462208
Isopropylbenzene	U		0.000521	0.00307	1	04/17/2020 14:42	WG1462208
p-Isopropyltoluene	U		0.00313	0.00613	1	04/17/2020 14:42	WG1462208
2-Butanone (MEK)	U		0.0779	0.123	1	04/17/2020 14:42	WG1462208
Methylene Chloride	U		0.00815	0.0307	1	04/17/2020 14:42	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00280	0.0307	1	04/17/2020 14:42	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000429	0.00123	1	04/17/2020 14:42	WG1462208
Naphthalene	U		0.00599	0.0153	1	04/17/2020 14:42	WG1462208
n-Propylbenzene	U		0.00117	0.00613	1	04/17/2020 14:42	WG1462208
Styrene	U		0.000281	0.0153	1	04/17/2020 14:42	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00116	0.00307	1	04/17/2020 14:42	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000853	0.00307	1	04/17/2020 14:42	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000925	0.00307	1	04/17/2020 14:42	WG1462208
Tetrachloroethene	U		0.00110	0.00307	1	04/17/2020 14:42	WG1462208
Toluene	U		0.00160	0.00613	1	04/17/2020 14:42	WG1462208
1,2,3-Trichlorobenzene	U		0.00899	0.0153	1	04/17/2020 14:42	WG1462208
1,2,4-Trichlorobenzene	U		0.00540	0.0153	1	04/17/2020 14:42	WG1462208
1,1,1-Trichloroethane	U		0.00113	0.00307	1	04/17/2020 14:42	WG1462208
1,1,2-Trichloroethane	U		0.000732	0.00307	1	04/17/2020 14:42	WG1462208
Trichloroethene	U		0.000717	0.00123	1	04/17/2020 14:42	WG1462208
Trichlorofluoromethane	U		0.00101	0.00307	1	04/17/2020 14:42	WG1462208
1,2,3-Trichloropropane	U		0.00199	0.0153	1	04/17/2020 14:42	WG1462208
1,2,4-Trimethylbenzene	U		0.00194	0.00613	1	04/17/2020 14:42	WG1462208
1,2,3-Trimethylbenzene	U		0.00194	0.00613	1	04/17/2020 14:42	WG1462208
1,3,5-Trimethylbenzene	U		0.00245	0.00613	1	04/17/2020 14:42	WG1462208
Vinyl acetate	U		0.00312	0.0153	1	04/17/2020 14:42	WG1462208
Vinyl chloride	U		0.00142	0.00307	1	04/17/2020 14:42	WG1462208
Xylenes, Total	U		0.00108	0.00798	1	04/17/2020 14:42	WG1462208
(S) Toluene-d8	*106*			*75.0-131*		*04/17/2020 14:42*	WG1462208
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*04/17/2020 14:42*	WG1462208
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*04/17/2020 14:42*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	04/21/2020 13:29	WG1463616

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0420	0.0575	1	04/17/2020 15:01	WG1462208
Acrylonitrile	U		0.00415	0.0144	1	04/17/2020 15:01	WG1462208
Benzene	U		0.000537	0.00115	1	04/17/2020 15:01	WG1462208
Bromobenzene	U		0.00104	0.0144	1	04/17/2020 15:01	WG1462208
Bromodichloromethane	U		0.000834	0.00288	1	04/17/2020 15:01	WG1462208
Bromochloromethane	U		0.000649	0.00575	1	04/17/2020 15:01	WG1462208
Bromoform	U		0.00135	0.0288	1	04/17/2020 15:01	WG1462208
Bromomethane	U		0.00227	0.0144	1	04/17/2020 15:01	WG1462208
n-Butylbenzene	U		0.00604	0.0144	1	04/17/2020 15:01	WG1462208
sec-Butylbenzene	U		0.00331	0.0144	1	04/17/2020 15:01	WG1462208
tert-Butylbenzene	U		0.00224	0.00575	1	04/17/2020 15:01	WG1462208
Carbon disulfide	U		0.000805	0.0144	1	04/17/2020 15:01	WG1462208
Carbon tetrachloride	U		0.00103	0.00575	1	04/17/2020 15:01	WG1462208
Chlorobenzene	U		0.000242	0.00288	1	04/17/2020 15:01	WG1462208
Chlorodibromomethane	U		0.000704	0.00288	1	04/17/2020 15:01	WG1462208
Chloroethane	U		0.00196	0.00575	1	04/17/2020 15:01	WG1462208
Chloroform	U		0.00119	0.00288	1	04/17/2020 15:01	WG1462208
Chloromethane	U		0.00500	0.0144	1	04/17/2020 15:01	WG1462208
2-Chlorotoluene	U		0.000995	0.00288	1	04/17/2020 15:01	WG1462208
4-Chlorotoluene	U		0.000518	0.00575	1	04/17/2020 15:01	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00449	0.0288	1	04/17/2020 15:01	WG1462208
1,2-Dibromoethane	U		0.000746	0.00288	1	04/17/2020 15:01	WG1462208
Dibromomethane	U		0.000863	0.00575	1	04/17/2020 15:01	WG1462208
1,2-Dichlorobenzene	U		0.000489	0.00575	1	04/17/2020 15:01	WG1462208
1,3-Dichlorobenzene	U		0.000690	0.00575	1	04/17/2020 15:01	WG1462208
1,4-Dichlorobenzene	U		0.000805	0.00575	1	04/17/2020 15:01	WG1462208
Dichlorodifluoromethane	U		0.00185	0.00288	1	04/17/2020 15:01	WG1462208
1,1-Dichloroethane	U		0.000565	0.00288	1	04/17/2020 15:01	WG1462208
1,2-Dichloroethane	U		0.000747	0.00288	1	04/17/2020 15:01	WG1462208
1,1-Dichloroethene	U		0.000697	0.00288	1	04/17/2020 15:01	WG1462208
cis-1,2-Dichloroethene	U		0.000844	0.00288	1	04/17/2020 15:01	WG1462208
trans-1,2-Dichloroethene	U		0.00120	0.00575	1	04/17/2020 15:01	WG1462208
1,2-Dichloropropane	U	J4	0.00163	0.00575	1	04/17/2020 15:01	WG1462208
1,1-Dichloropropene	U		0.000931	0.00288	1	04/17/2020 15:01	WG1462208
1,3-Dichloropropane	U		0.000576	0.00575	1	04/17/2020 15:01	WG1462208
cis-1,3-Dichloropropene	U		0.000871	0.00288	1	04/17/2020 15:01	WG1462208
trans-1,3-Dichloropropene	U		0.00131	0.00575	1	04/17/2020 15:01	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00214	0.00575	1	04/17/2020 15:01	WG1462208
2,2-Dichloropropane	U		0.00159	0.00288	1	04/17/2020 15:01	WG1462208
Di-isopropyl ether	U		0.000472	0.00115	1	04/17/2020 15:01	WG1462208
Ethylbenzene	U		0.000848	0.00288	1	04/17/2020 15:01	WG1462208
Hexachloro-1,3-butadiene	U		0.00690	0.0288	1	04/17/2020 15:01	WG1462208
2-Hexanone	U		0.00387	0.0288	1	04/17/2020 15:01	WG1462208
n-Hexane	U		0.00260	0.00575	1	04/17/2020 15:01	WG1462208
Iodomethane	U		0.00267	0.0144	1	04/17/2020 15:01	WG1462208
Isopropylbenzene	U		0.000489	0.00288	1	04/17/2020 15:01	WG1462208
p-Isopropyltoluene	U		0.00293	0.00575	1	04/17/2020 15:01	WG1462208
2-Butanone (MEK)	0.0872	J J0	0.0731	0.115	1	04/17/2020 15:01	WG1462208
Methylene Chloride	U		0.00764	0.0288	1	04/17/2020 15:01	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00262	0.0288	1	04/17/2020 15:01	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000403	0.00115	1	04/17/2020 15:01	WG1462208
Naphthalene	0.00810	J	0.00561	0.0144	1	04/17/2020 15:01	WG1462208
n-Propylbenzene	U		0.00109	0.00575	1	04/17/2020 15:01	WG1462208
Styrene	U		0.000263	0.0144	1	04/17/2020 15:01	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00109	0.00288	1	04/17/2020 15:01	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000800	0.00288	1	04/17/2020 15:01	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000867	0.00288	1	04/17/2020 15:01	WG1462208
Tetrachloroethene	U		0.00103	0.00288	1	04/17/2020 15:01	WG1462208
Toluene	0.00795		0.00150	0.00575	1	04/17/2020 15:01	WG1462208
1,2,3-Trichlorobenzene	U		0.00843	0.0144	1	04/17/2020 15:01	WG1462208
1,2,4-Trichlorobenzene	U		0.00506	0.0144	1	04/17/2020 15:01	WG1462208
1,1,1-Trichloroethane	U		0.00106	0.00288	1	04/17/2020 15:01	WG1462208
1,1,2-Trichloroethane	U		0.000687	0.00288	1	04/17/2020 15:01	WG1462208
Trichloroethene	U		0.000672	0.00115	1	04/17/2020 15:01	WG1462208
Trichlorofluoromethane	U		0.000951	0.00288	1	04/17/2020 15:01	WG1462208
1,2,3-Trichloropropane	U		0.00186	0.0144	1	04/17/2020 15:01	WG1462208
1,2,4-Trimethylbenzene	U		0.00182	0.00575	1	04/17/2020 15:01	WG1462208
1,2,3-Trimethylbenzene	U		0.00182	0.00575	1	04/17/2020 15:01	WG1462208
1,3,5-Trimethylbenzene	U		0.00230	0.00575	1	04/17/2020 15:01	WG1462208
Vinyl acetate	U		0.00292	0.0144	1	04/17/2020 15:01	WG1462208
Vinyl chloride	U		0.00133	0.00288	1	04/17/2020 15:01	WG1462208
Xylenes, Total	U		0.00101	0.00748	1	04/17/2020 15:01	WG1462208
(S) Toluene-d8	*104*			*75.0-131*		*04/17/2020 15:01*	WG1462208
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*04/17/2020 15:01*	WG1462208
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*04/17/2020 15:01*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.7		1	04/21/2020 13:29	WG1463616

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0421	0.0577	1	04/17/2020 15:20	WG1462208
Acrylonitrile	U		0.00416	0.0144	1	04/17/2020 15:20	WG1462208
Benzene	0.00400		0.000539	0.00115	1	04/17/2020 15:20	WG1462208
Bromobenzene	U		0.00104	0.0144	1	04/17/2020 15:20	WG1462208
Bromodichloromethane	U		0.000836	0.00288	1	04/17/2020 15:20	WG1462208
Bromochloromethane	U		0.000650	0.00577	1	04/17/2020 15:20	WG1462208
Bromoform	U		0.00135	0.0288	1	04/17/2020 15:20	WG1462208
Bromomethane	U		0.00227	0.0144	1	04/17/2020 15:20	WG1462208
n-Butylbenzene	U		0.00605	0.0144	1	04/17/2020 15:20	WG1462208
sec-Butylbenzene	U		0.00332	0.0144	1	04/17/2020 15:20	WG1462208
tert-Butylbenzene	U		0.00225	0.00577	1	04/17/2020 15:20	WG1462208
Carbon disulfide	0.00340	J	0.000807	0.0144	1	04/17/2020 15:20	WG1462208
Carbon tetrachloride	U		0.00104	0.00577	1	04/17/2020 15:20	WG1462208
Chlorobenzene	U		0.000242	0.00288	1	04/17/2020 15:20	WG1462208
Chlorodibromomethane	U		0.000706	0.00288	1	04/17/2020 15:20	WG1462208
Chloroethane	U		0.00196	0.00577	1	04/17/2020 15:20	WG1462208
Chloroform	U		0.00119	0.00288	1	04/17/2020 15:20	WG1462208
Chloromethane	U		0.00502	0.0144	1	04/17/2020 15:20	WG1462208
2-Chlorotoluene	U		0.000997	0.00288	1	04/17/2020 15:20	WG1462208
4-Chlorotoluene	U		0.000519	0.00577	1	04/17/2020 15:20	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00450	0.0288	1	04/17/2020 15:20	WG1462208
1,2-Dibromoethane	U		0.000747	0.00288	1	04/17/2020 15:20	WG1462208
Dibromomethane	U		0.000865	0.00577	1	04/17/2020 15:20	WG1462208
1,2-Dichlorobenzene	U		0.000490	0.00577	1	04/17/2020 15:20	WG1462208
1,3-Dichlorobenzene	U		0.000692	0.00577	1	04/17/2020 15:20	WG1462208
1,4-Dichlorobenzene	U		0.000807	0.00577	1	04/17/2020 15:20	WG1462208
Dichlorodifluoromethane	U		0.00186	0.00288	1	04/17/2020 15:20	WG1462208
1,1-Dichloroethane	U		0.000566	0.00288	1	04/17/2020 15:20	WG1462208
1,2-Dichloroethane	U		0.000748	0.00288	1	04/17/2020 15:20	WG1462208
1,1-Dichloroethene	U		0.000699	0.00288	1	04/17/2020 15:20	WG1462208
cis-1,2-Dichloroethene	U		0.000846	0.00288	1	04/17/2020 15:20	WG1462208
trans-1,2-Dichloroethene	U		0.00120	0.00577	1	04/17/2020 15:20	WG1462208
1,2-Dichloropropane	U	J4	0.00164	0.00577	1	04/17/2020 15:20	WG1462208
1,1-Dichloropropene	U		0.000933	0.00288	1	04/17/2020 15:20	WG1462208
1,3-Dichloropropane	U		0.000578	0.00577	1	04/17/2020 15:20	WG1462208
cis-1,3-Dichloropropene	U		0.000873	0.00288	1	04/17/2020 15:20	WG1462208
trans-1,3-Dichloropropene	U		0.00131	0.00577	1	04/17/2020 15:20	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00214	0.00577	1	04/17/2020 15:20	WG1462208
2,2-Dichloropropane	U		0.00159	0.00288	1	04/17/2020 15:20	WG1462208
Di-isopropyl ether	U		0.000473	0.00115	1	04/17/2020 15:20	WG1462208
Ethylbenzene	0.00166	J	0.000850	0.00288	1	04/17/2020 15:20	WG1462208
Hexachloro-1,3-butadiene	U		0.00692	0.0288	1	04/17/2020 15:20	WG1462208
2-Hexanone	U		0.00387	0.0288	1	04/17/2020 15:20	WG1462208
n-Hexane	U		0.00261	0.00577	1	04/17/2020 15:20	WG1462208
Iodomethane	U		0.00268	0.0144	1	04/17/2020 15:20	WG1462208
Isopropylbenzene	0.000965	J	0.000490	0.00288	1	04/17/2020 15:20	WG1462208
p-Isopropyltoluene	0.00319	J	0.00294	0.00577	1	04/17/2020 15:20	WG1462208
2-Butanone (MEK)	U		0.0732	0.115	1	04/17/2020 15:20	WG1462208
Methylene Chloride	U		0.00766	0.0288	1	04/17/2020 15:20	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00263	0.0288	1	04/17/2020 15:20	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000404	0.00115	1	04/17/2020 15:20	WG1462208
Naphthalene	0.0156		0.00563	0.0144	1	04/17/2020 15:20	WG1462208
n-Propylbenzene	U		0.00110	0.00577	1	04/17/2020 15:20	WG1462208
Styrene	U		0.000264	0.0144	1	04/17/2020 15:20	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00109	0.00288	1	04/17/2020 15:20	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000801	0.00288	1	04/17/2020 15:20	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000869	0.00288	1	04/17/2020 15:20	WG1462208
Tetrachloroethene	U		0.00103	0.00288	1	04/17/2020 15:20	WG1462208
Toluene	0.0190		0.00150	0.00577	1	04/17/2020 15:20	WG1462208
1,2,3-Trichlorobenzene	U		0.00845	0.0144	1	04/17/2020 15:20	WG1462208
1,2,4-Trichlorobenzene	U		0.00507	0.0144	1	04/17/2020 15:20	WG1462208
1,1,1-Trichloroethane	U		0.00106	0.00288	1	04/17/2020 15:20	WG1462208
1,1,2-Trichloroethane	U		0.000688	0.00288	1	04/17/2020 15:20	WG1462208
Trichloroethene	U		0.000673	0.00115	1	04/17/2020 15:20	WG1462208
Trichlorofluoromethane	U		0.000954	0.00288	1	04/17/2020 15:20	WG1462208
1,2,3-Trichloropropane	U		0.00187	0.0144	1	04/17/2020 15:20	WG1462208
1,2,4-Trimethylbenzene	U		0.00182	0.00577	1	04/17/2020 15:20	WG1462208
1,2,3-Trimethylbenzene	0.00201	J	0.00182	0.00577	1	04/17/2020 15:20	WG1462208
1,3,5-Trimethylbenzene	U		0.00231	0.00577	1	04/17/2020 15:20	WG1462208
Vinyl acetate	U		0.00293	0.0144	1	04/17/2020 15:20	WG1462208
Vinyl chloride	U		0.00134	0.00288	1	04/17/2020 15:20	WG1462208
Xylenes, Total	0.00490	J	0.00101	0.00750	1	04/17/2020 15:20	WG1462208
(S) Toluene-d8	*108*			*75.0-131*		*04/17/2020 15:20*	WG1462208
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*04/17/2020 15:20*	WG1462208
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*04/17/2020 15:20*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.8		1	04/21/2020 13:18	WG1463617

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0452	0.0619	1	04/17/2020 15:38	WG1462208
Acrylonitrile	U		0.00447	0.0155	1	04/17/2020 15:38	WG1462208
Benzene	0.00116	J	0.000578	0.00124	1	04/17/2020 15:38	WG1462208
Bromobenzene	U		0.00111	0.0155	1	04/17/2020 15:38	WG1462208
Bromodichloromethane	U		0.000897	0.00309	1	04/17/2020 15:38	WG1462208
Bromochloromethane	U		0.000698	0.00619	1	04/17/2020 15:38	WG1462208
Bromoform	U		0.00145	0.0309	1	04/17/2020 15:38	WG1462208
Bromomethane	U		0.00244	0.0155	1	04/17/2020 15:38	WG1462208
n-Butylbenzene	U		0.00649	0.0155	1	04/17/2020 15:38	WG1462208
sec-Butylbenzene	U		0.00356	0.0155	1	04/17/2020 15:38	WG1462208
tert-Butylbenzene	U		0.00241	0.00619	1	04/17/2020 15:38	WG1462208
Carbon disulfide	U		0.000866	0.0155	1	04/17/2020 15:38	WG1462208
Carbon tetrachloride	U		0.00111	0.00619	1	04/17/2020 15:38	WG1462208
Chlorobenzene	U		0.000260	0.00309	1	04/17/2020 15:38	WG1462208
Chlorodibromomethane	U		0.000757	0.00309	1	04/17/2020 15:38	WG1462208
Chloroethane	U		0.00210	0.00619	1	04/17/2020 15:38	WG1462208
Chloroform	U		0.00127	0.00309	1	04/17/2020 15:38	WG1462208
Chloromethane	U		0.00538	0.0155	1	04/17/2020 15:38	WG1462208
2-Chlorotoluene	U		0.00107	0.00309	1	04/17/2020 15:38	WG1462208
4-Chlorotoluene	U		0.000557	0.00619	1	04/17/2020 15:38	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00482	0.0309	1	04/17/2020 15:38	WG1462208
1,2-Dibromoethane	U		0.000802	0.00309	1	04/17/2020 15:38	WG1462208
Dibromomethane	U		0.000928	0.00619	1	04/17/2020 15:38	WG1462208
1,2-Dichlorobenzene	U		0.000526	0.00619	1	04/17/2020 15:38	WG1462208
1,3-Dichlorobenzene	U		0.000742	0.00619	1	04/17/2020 15:38	WG1462208
1,4-Dichlorobenzene	U		0.000866	0.00619	1	04/17/2020 15:38	WG1462208
Dichlorodifluoromethane	U		0.00199	0.00309	1	04/17/2020 15:38	WG1462208
1,1-Dichloroethane	U		0.000607	0.00309	1	04/17/2020 15:38	WG1462208
1,2-Dichloroethane	U		0.000803	0.00309	1	04/17/2020 15:38	WG1462208
1,1-Dichloroethene	U		0.000750	0.00309	1	04/17/2020 15:38	WG1462208
cis-1,2-Dichloroethene	U		0.000908	0.00309	1	04/17/2020 15:38	WG1462208
trans-1,2-Dichloroethene	U		0.00129	0.00619	1	04/17/2020 15:38	WG1462208
1,2-Dichloropropane	U	J4	0.00176	0.00619	1	04/17/2020 15:38	WG1462208
1,1-Dichloropropene	U		0.00100	0.00309	1	04/17/2020 15:38	WG1462208
1,3-Dichloropropane	U		0.000620	0.00619	1	04/17/2020 15:38	WG1462208
cis-1,3-Dichloropropene	U		0.000936	0.00309	1	04/17/2020 15:38	WG1462208
trans-1,3-Dichloropropene	U		0.00141	0.00619	1	04/17/2020 15:38	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00230	0.00619	1	04/17/2020 15:38	WG1462208
2,2-Dichloropropane	U		0.00171	0.00309	1	04/17/2020 15:38	WG1462208
Di-isopropyl ether	U		0.000507	0.00124	1	04/17/2020 15:38	WG1462208
Ethylbenzene	U		0.000912	0.00309	1	04/17/2020 15:38	WG1462208
Hexachloro-1,3-butadiene	U		0.00742	0.0309	1	04/17/2020 15:38	WG1462208
2-Hexanone	U		0.00416	0.0309	1	04/17/2020 15:38	WG1462208
n-Hexane	U		0.00280	0.00619	1	04/17/2020 15:38	WG1462208
Iodomethane	U		0.00287	0.0155	1	04/17/2020 15:38	WG1462208
Isopropylbenzene	0.000898	J	0.000526	0.00309	1	04/17/2020 15:38	WG1462208
p-Isopropyltoluene	0.0107		0.00315	0.00619	1	04/17/2020 15:38	WG1462208
2-Butanone (MEK)	U		0.0786	0.124	1	04/17/2020 15:38	WG1462208
Methylene Chloride	U		0.00821	0.0309	1	04/17/2020 15:38	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00282	0.0309	1	04/17/2020 15:38	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000433	0.00124	1	04/17/2020 15:38	WG1462208
Naphthalene	0.0117	J	0.00604	0.0155	1	04/17/2020 15:38	WG1462208
n-Propylbenzene	U		0.00118	0.00619	1	04/17/2020 15:38	WG1462208
Styrene	U		0.000283	0.0155	1	04/17/2020 15:38	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00117	0.00309	1	04/17/2020 15:38	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000860	0.00309	1	04/17/2020 15:38	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000933	0.00309	1	04/17/2020 15:38	WG1462208
Tetrachloroethene	U		0.00111	0.00309	1	04/17/2020 15:38	WG1462208
Toluene	0.0209		0.00161	0.00619	1	04/17/2020 15:38	WG1462208
1,2,3-Trichlorobenzene	U		0.00907	0.0155	1	04/17/2020 15:38	WG1462208
1,2,4-Trichlorobenzene	U		0.00544	0.0155	1	04/17/2020 15:38	WG1462208
1,1,1-Trichloroethane	U		0.00114	0.00309	1	04/17/2020 15:38	WG1462208
1,1,2-Trichloroethane	U		0.000739	0.00309	1	04/17/2020 15:38	WG1462208
Trichloroethene	U		0.000722	0.00124	1	04/17/2020 15:38	WG1462208
Trichlorofluoromethane	U		0.00102	0.00309	1	04/17/2020 15:38	WG1462208
1,2,3-Trichloropropane	U		0.00200	0.0155	1	04/17/2020 15:38	WG1462208
1,2,4-Trimethylbenzene	U		0.00195	0.00619	1	04/17/2020 15:38	WG1462208
1,2,3-Trimethylbenzene	U		0.00195	0.00619	1	04/17/2020 15:38	WG1462208
1,3,5-Trimethylbenzene	U		0.00247	0.00619	1	04/17/2020 15:38	WG1462208
Vinyl acetate	U		0.00314	0.0155	1	04/17/2020 15:38	WG1462208
Vinyl chloride	U		0.00143	0.00309	1	04/17/2020 15:38	WG1462208
Xylenes, Total	U		0.00109	0.00804	1	04/17/2020 15:38	WG1462208
(S) Toluene-d8	*106*			*75.0-131*		*04/17/2020 15:38*	WG1462208
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*04/17/2020 15:38*	WG1462208
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*04/17/2020 15:38*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.9		1	04/21/2020 13:18	WG1463617

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0457	0.0626	1	04/17/2020 15:57	WG1462208
Acrylonitrile	U		0.00452	0.0156	1	04/17/2020 15:57	WG1462208
Benzene	U		0.000584	0.00125	1	04/17/2020 15:57	WG1462208
Bromobenzene	U		0.00113	0.0156	1	04/17/2020 15:57	WG1462208
Bromodichloromethane	U		0.000907	0.00313	1	04/17/2020 15:57	WG1462208
Bromochloromethane	U		0.000706	0.00626	1	04/17/2020 15:57	WG1462208
Bromoform	U		0.00146	0.0313	1	04/17/2020 15:57	WG1462208
Bromomethane	U		0.00247	0.0156	1	04/17/2020 15:57	WG1462208
n-Butylbenzene	U		0.00657	0.0156	1	04/17/2020 15:57	WG1462208
sec-Butylbenzene	U		0.00360	0.0156	1	04/17/2020 15:57	WG1462208
tert-Butylbenzene	U		0.00244	0.00626	1	04/17/2020 15:57	WG1462208
Carbon disulfide	U		0.000876	0.0156	1	04/17/2020 15:57	WG1462208
Carbon tetrachloride	U		0.00112	0.00626	1	04/17/2020 15:57	WG1462208
Chlorobenzene	U		0.000263	0.00313	1	04/17/2020 15:57	WG1462208
Chlorodibromomethane	U		0.000766	0.00313	1	04/17/2020 15:57	WG1462208
Chloroethane	U		0.00213	0.00626	1	04/17/2020 15:57	WG1462208
Chloroform	U		0.00129	0.00313	1	04/17/2020 15:57	WG1462208
Chloromethane	U		0.00544	0.0156	1	04/17/2020 15:57	WG1462208
2-Chlorotoluene	U		0.00108	0.00313	1	04/17/2020 15:57	WG1462208
4-Chlorotoluene	U		0.000563	0.00626	1	04/17/2020 15:57	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00488	0.0313	1	04/17/2020 15:57	WG1462208
1,2-Dibromoethane	U		0.000811	0.00313	1	04/17/2020 15:57	WG1462208
Dibromomethane	U		0.000938	0.00626	1	04/17/2020 15:57	WG1462208
1,2-Dichlorobenzene	U		0.000532	0.00626	1	04/17/2020 15:57	WG1462208
1,3-Dichlorobenzene	U		0.000751	0.00626	1	04/17/2020 15:57	WG1462208
1,4-Dichlorobenzene	U		0.000876	0.00626	1	04/17/2020 15:57	WG1462208
Dichlorodifluoromethane	U		0.00201	0.00313	1	04/17/2020 15:57	WG1462208
1,1-Dichloroethane	U		0.000614	0.00313	1	04/17/2020 15:57	WG1462208
1,2-Dichloroethane	U		0.000812	0.00313	1	04/17/2020 15:57	WG1462208
1,1-Dichloroethene	U		0.000758	0.00313	1	04/17/2020 15:57	WG1462208
cis-1,2-Dichloroethene	U		0.000918	0.00313	1	04/17/2020 15:57	WG1462208
trans-1,2-Dichloroethene	U		0.00130	0.00626	1	04/17/2020 15:57	WG1462208
1,2-Dichloropropane	U	J4	0.00178	0.00626	1	04/17/2020 15:57	WG1462208
1,1-Dichloropropene	U		0.00101	0.00313	1	04/17/2020 15:57	WG1462208
1,3-Dichloropropane	U		0.000627	0.00626	1	04/17/2020 15:57	WG1462208
cis-1,3-Dichloropropene	U		0.000947	0.00313	1	04/17/2020 15:57	WG1462208
trans-1,3-Dichloropropene	U		0.00143	0.00626	1	04/17/2020 15:57	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00233	0.00626	1	04/17/2020 15:57	WG1462208
2,2-Dichloropropane	U		0.00173	0.00313	1	04/17/2020 15:57	WG1462208
Di-isopropyl ether	U		0.000513	0.00125	1	04/17/2020 15:57	WG1462208
Ethylbenzene	U		0.000922	0.00313	1	04/17/2020 15:57	WG1462208
Hexachloro-1,3-butadiene	U		0.00751	0.0313	1	04/17/2020 15:57	WG1462208
2-Hexanone	U		0.00420	0.0313	1	04/17/2020 15:57	WG1462208
n-Hexane	U		0.00283	0.00626	1	04/17/2020 15:57	WG1462208
Iodomethane	U		0.00290	0.0156	1	04/17/2020 15:57	WG1462208
Isopropylbenzene	U		0.000532	0.00313	1	04/17/2020 15:57	WG1462208
p-Isopropyltoluene	U		0.00319	0.00626	1	04/17/2020 15:57	WG1462208
2-Butanone (MEK)	U		0.0795	0.125	1	04/17/2020 15:57	WG1462208
Methylene Chloride	U		0.00831	0.0313	1	04/17/2020 15:57	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00285	0.0313	1	04/17/2020 15:57	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000438	0.00125	1	04/17/2020 15:57	WG1462208
Naphthalene	U		0.00611	0.0156	1	04/17/2020 15:57	WG1462208
n-Propylbenzene	U		0.00119	0.00626	1	04/17/2020 15:57	WG1462208
Styrene	U		0.000287	0.0156	1	04/17/2020 15:57	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00119	0.00313	1	04/17/2020 15:57	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000870	0.00313	1	04/17/2020 15:57	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000943	0.00313	1	04/17/2020 15:57	WG1462208
Tetrachloroethene	U		0.00112	0.00313	1	04/17/2020 15:57	WG1462208
Toluene	0.00277	J	0.00163	0.00626	1	04/17/2020 15:57	WG1462208
1,2,3-Trichlorobenzene	U		0.00917	0.0156	1	04/17/2020 15:57	WG1462208
1,2,4-Trichlorobenzene	U		0.00551	0.0156	1	04/17/2020 15:57	WG1462208
1,1,1-Trichloroethane	U		0.00115	0.00313	1	04/17/2020 15:57	WG1462208
1,1,2-Trichloroethane	U		0.000747	0.00313	1	04/17/2020 15:57	WG1462208
Trichloroethene	U		0.000731	0.00125	1	04/17/2020 15:57	WG1462208
Trichlorofluoromethane	U		0.00103	0.00313	1	04/17/2020 15:57	WG1462208
1,2,3-Trichloropropane	U		0.00203	0.0156	1	04/17/2020 15:57	WG1462208
1,2,4-Trimethylbenzene	U		0.00198	0.00626	1	04/17/2020 15:57	WG1462208
1,2,3-Trimethylbenzene	U		0.00198	0.00626	1	04/17/2020 15:57	WG1462208
1,3,5-Trimethylbenzene	U		0.00250	0.00626	1	04/17/2020 15:57	WG1462208
Vinyl acetate	U		0.00318	0.0156	1	04/17/2020 15:57	WG1462208
Vinyl chloride	U		0.00145	0.00313	1	04/17/2020 15:57	WG1462208
Xylenes, Total	U		0.00110	0.00813	1	04/17/2020 15:57	WG1462208
(S) Toluene-d8	*104*			*75.0-131*		*04/17/2020 15:57*	WG1462208
(S) 4-Bromofluorobenzene	*97.1*			*67.0-138*		*04/17/2020 15:57*	WG1462208
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*		*04/17/2020 15:57*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.5		1	04/21/2020 13:18	WG1463617

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0427	0.0585	1	04/17/2020 16:16	WG1462208
Acrylonitrile	U		0.00422	0.0146	1	04/17/2020 16:16	WG1462208
Benzene	U		0.000546	0.00117	1	04/17/2020 16:16	WG1462208
Bromobenzene	U		0.00105	0.0146	1	04/17/2020 16:16	WG1462208
Bromodichloromethane	U		0.000848	0.00292	1	04/17/2020 16:16	WG1462208
Bromochloromethane	U		0.000660	0.00585	1	04/17/2020 16:16	WG1462208
Bromoform	U		0.00137	0.0292	1	04/17/2020 16:16	WG1462208
Bromomethane	U		0.00230	0.0146	1	04/17/2020 16:16	WG1462208
n-Butylbenzene	U		0.00614	0.0146	1	04/17/2020 16:16	WG1462208
sec-Butylbenzene	U		0.00337	0.0146	1	04/17/2020 16:16	WG1462208
tert-Butylbenzene	U		0.00228	0.00585	1	04/17/2020 16:16	WG1462208
Carbon disulfide	U		0.000819	0.0146	1	04/17/2020 16:16	WG1462208
Carbon tetrachloride	U		0.00105	0.00585	1	04/17/2020 16:16	WG1462208
Chlorobenzene	U		0.000246	0.00292	1	04/17/2020 16:16	WG1462208
Chlorodibromomethane	U		0.000716	0.00292	1	04/17/2020 16:16	WG1462208
Chloroethane	U		0.00199	0.00585	1	04/17/2020 16:16	WG1462208
Chloroform	U		0.00120	0.00292	1	04/17/2020 16:16	WG1462208
Chloromethane	U		0.00509	0.0146	1	04/17/2020 16:16	WG1462208
2-Chlorotoluene	U		0.00101	0.00292	1	04/17/2020 16:16	WG1462208
4-Chlorotoluene	U		0.000526	0.00585	1	04/17/2020 16:16	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00456	0.0292	1	04/17/2020 16:16	WG1462208
1,2-Dibromoethane	U		0.000758	0.00292	1	04/17/2020 16:16	WG1462208
Dibromomethane	U		0.000877	0.00585	1	04/17/2020 16:16	WG1462208
1,2-Dichlorobenzene	U		0.000497	0.00585	1	04/17/2020 16:16	WG1462208
1,3-Dichlorobenzene	U		0.000702	0.00585	1	04/17/2020 16:16	WG1462208
1,4-Dichlorobenzene	U		0.000819	0.00585	1	04/17/2020 16:16	WG1462208
Dichlorodifluoromethane	U		0.00188	0.00292	1	04/17/2020 16:16	WG1462208
1,1-Dichloroethane	U		0.000574	0.00292	1	04/17/2020 16:16	WG1462208
1,2-Dichloroethane	U		0.000759	0.00292	1	04/17/2020 16:16	WG1462208
1,1-Dichloroethene	U		0.000709	0.00292	1	04/17/2020 16:16	WG1462208
cis-1,2-Dichloroethene	U		0.000859	0.00292	1	04/17/2020 16:16	WG1462208
trans-1,2-Dichloroethene	U		0.00122	0.00585	1	04/17/2020 16:16	WG1462208
1,2-Dichloropropane	U	J4	0.00166	0.00585	1	04/17/2020 16:16	WG1462208
1,1-Dichloropropene	U		0.000946	0.00292	1	04/17/2020 16:16	WG1462208
1,3-Dichloropropane	U		0.000586	0.00585	1	04/17/2020 16:16	WG1462208
cis-1,3-Dichloropropene	U		0.000886	0.00292	1	04/17/2020 16:16	WG1462208
trans-1,3-Dichloropropene	U		0.00133	0.00585	1	04/17/2020 16:16	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00218	0.00585	1	04/17/2020 16:16	WG1462208
2,2-Dichloropropane	U		0.00161	0.00292	1	04/17/2020 16:16	WG1462208
Di-isopropyl ether	U		0.000480	0.00117	1	04/17/2020 16:16	WG1462208
Ethylbenzene	U		0.000862	0.00292	1	04/17/2020 16:16	WG1462208
Hexachloro-1,3-butadiene	U		0.00702	0.0292	1	04/17/2020 16:16	WG1462208
2-Hexanone	U		0.00393	0.0292	1	04/17/2020 16:16	WG1462208
n-Hexane	U		0.00264	0.00585	1	04/17/2020 16:16	WG1462208
Iodomethane	U		0.00271	0.0146	1	04/17/2020 16:16	WG1462208
Isopropylbenzene	U		0.000497	0.00292	1	04/17/2020 16:16	WG1462208
p-Isopropyltoluene	U		0.00298	0.00585	1	04/17/2020 16:16	WG1462208
2-Butanone (MEK)	U		0.0743	0.117	1	04/17/2020 16:16	WG1462208
Methylene Chloride	U		0.00777	0.0292	1	04/17/2020 16:16	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00267	0.0292	1	04/17/2020 16:16	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000409	0.00117	1	04/17/2020 16:16	WG1462208
Naphthalene	U		0.00571	0.0146	1	04/17/2020 16:16	WG1462208
n-Propylbenzene	U		0.00111	0.00585	1	04/17/2020 16:16	WG1462208
Styrene	U		0.000268	0.0146	1	04/17/2020 16:16	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00111	0.00292	1	04/17/2020 16:16	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000813	0.00292	1	04/17/2020 16:16	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000882	0.00292	1	04/17/2020 16:16	WG1462208
Tetrachloroethene	U		0.00105	0.00292	1	04/17/2020 16:16	WG1462208
Toluene	U		0.00152	0.00585	1	04/17/2020 16:16	WG1462208
1,2,3-Trichlorobenzene	U		0.00857	0.0146	1	04/17/2020 16:16	WG1462208
1,2,4-Trichlorobenzene	U		0.00515	0.0146	1	04/17/2020 16:16	WG1462208
1,1,1-Trichloroethane	U		0.00108	0.00292	1	04/17/2020 16:16	WG1462208
1,1,2-Trichloroethane	U		0.000698	0.00292	1	04/17/2020 16:16	WG1462208
Trichloroethene	U		0.000683	0.00117	1	04/17/2020 16:16	WG1462208
Trichlorofluoromethane	U		0.000967	0.00292	1	04/17/2020 16:16	WG1462208
1,2,3-Trichloropropane	U		0.00190	0.0146	1	04/17/2020 16:16	WG1462208
1,2,4-Trimethylbenzene	U		0.00185	0.00585	1	04/17/2020 16:16	WG1462208
1,2,3-Trimethylbenzene	U		0.00185	0.00585	1	04/17/2020 16:16	WG1462208
1,3,5-Trimethylbenzene	U		0.00234	0.00585	1	04/17/2020 16:16	WG1462208
Vinyl acetate	U		0.00297	0.0146	1	04/17/2020 16:16	WG1462208
Vinyl chloride	U		0.00136	0.00292	1	04/17/2020 16:16	WG1462208
Xylenes, Total	U		0.00103	0.00760	1	04/17/2020 16:16	WG1462208
(S) Toluene-d8	*104*			*75.0-131*		*04/17/2020 16:16*	WG1462208
(S) 4-Bromofluorobenzene	*97.7*			*67.0-138*		*04/17/2020 16:16*	WG1462208
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*04/17/2020 16:16*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	04/21/2020 13:18	WG1463617

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0402	0.0551	1	04/17/2020 16:35	WG1462208
Acrylonitrile	U		0.00398	0.0138	1	04/17/2020 16:35	WG1462208
Benzene	U		0.000515	0.00110	1	04/17/2020 16:35	WG1462208
Bromobenzene	U		0.000992	0.0138	1	04/17/2020 16:35	WG1462208
Bromodichloromethane	U		0.000799	0.00276	1	04/17/2020 16:35	WG1462208
Bromochloromethane	U		0.000622	0.00551	1	04/17/2020 16:35	WG1462208
Bromoform	U		0.00129	0.0276	1	04/17/2020 16:35	WG1462208
Bromomethane	U		0.00217	0.0138	1	04/17/2020 16:35	WG1462208
n-Butylbenzene	U		0.00579	0.0138	1	04/17/2020 16:35	WG1462208
sec-Butylbenzene	U		0.00317	0.0138	1	04/17/2020 16:35	WG1462208
tert-Butylbenzene	U		0.00215	0.00551	1	04/17/2020 16:35	WG1462208
Carbon disulfide	U		0.000772	0.0138	1	04/17/2020 16:35	WG1462208
Carbon tetrachloride	U		0.000990	0.00551	1	04/17/2020 16:35	WG1462208
Chlorobenzene	U		0.000231	0.00276	1	04/17/2020 16:35	WG1462208
Chlorodibromomethane	U		0.000675	0.00276	1	04/17/2020 16:35	WG1462208
Chloroethane	U		0.00187	0.00551	1	04/17/2020 16:35	WG1462208
Chloroform	U		0.00114	0.00276	1	04/17/2020 16:35	WG1462208
Chloromethane	U		0.00479	0.0138	1	04/17/2020 16:35	WG1462208
2-Chlorotoluene	U		0.000953	0.00276	1	04/17/2020 16:35	WG1462208
4-Chlorotoluene	U		0.000496	0.00551	1	04/17/2020 16:35	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00430	0.0276	1	04/17/2020 16:35	WG1462208
1,2-Dibromoethane	U		0.000714	0.00276	1	04/17/2020 16:35	WG1462208
Dibromomethane	U		0.000827	0.00551	1	04/17/2020 16:35	WG1462208
1,2-Dichlorobenzene	U		0.000468	0.00551	1	04/17/2020 16:35	WG1462208
1,3-Dichlorobenzene	U		0.000661	0.00551	1	04/17/2020 16:35	WG1462208
1,4-Dichlorobenzene	U		0.000772	0.00551	1	04/17/2020 16:35	WG1462208
Dichlorodifluoromethane	U		0.00177	0.00276	1	04/17/2020 16:35	WG1462208
1,1-Dichloroethane	U		0.000541	0.00276	1	04/17/2020 16:35	WG1462208
1,2-Dichloroethane	U		0.000715	0.00276	1	04/17/2020 16:35	WG1462208
1,1-Dichloroethene	U		0.000668	0.00276	1	04/17/2020 16:35	WG1462208
cis-1,2-Dichloroethene	U		0.000809	0.00276	1	04/17/2020 16:35	WG1462208
trans-1,2-Dichloroethene	U		0.00115	0.00551	1	04/17/2020 16:35	WG1462208
1,2-Dichloropropane	U	J4	0.00157	0.00551	1	04/17/2020 16:35	WG1462208
1,1-Dichloropropene	U		0.000892	0.00276	1	04/17/2020 16:35	WG1462208
1,3-Dichloropropane	U		0.000552	0.00551	1	04/17/2020 16:35	WG1462208
cis-1,3-Dichloropropene	U		0.000834	0.00276	1	04/17/2020 16:35	WG1462208
trans-1,3-Dichloropropene	U		0.00126	0.00551	1	04/17/2020 16:35	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00205	0.00551	1	04/17/2020 16:35	WG1462208
2,2-Dichloropropane	U		0.00152	0.00276	1	04/17/2020 16:35	WG1462208
Di-isopropyl ether	U		0.000452	0.00110	1	04/17/2020 16:35	WG1462208
Ethylbenzene	U		0.000812	0.00276	1	04/17/2020 16:35	WG1462208
Hexachloro-1,3-butadiene	U		0.00661	0.0276	1	04/17/2020 16:35	WG1462208
2-Hexanone	U		0.00370	0.0276	1	04/17/2020 16:35	WG1462208
n-Hexane	U		0.00249	0.00551	1	04/17/2020 16:35	WG1462208
Iodomethane	U		0.00256	0.0138	1	04/17/2020 16:35	WG1462208
Isopropylbenzene	U		0.000468	0.00276	1	04/17/2020 16:35	WG1462208
p-Isopropyltoluene	U		0.00281	0.00551	1	04/17/2020 16:35	WG1462208
2-Butanone (MEK)	U		0.0700	0.110	1	04/17/2020 16:35	WG1462208
Methylene Chloride	U		0.00732	0.0276	1	04/17/2020 16:35	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00251	0.0276	1	04/17/2020 16:35	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000386	0.00110	1	04/17/2020 16:35	WG1462208
Naphthalene	U		0.00538	0.0138	1	04/17/2020 16:35	WG1462208
n-Propylbenzene	U		0.00105	0.00551	1	04/17/2020 16:35	WG1462208
Styrene	U		0.000252	0.0138	1	04/17/2020 16:35	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00104	0.00276	1	04/17/2020 16:35	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000766	0.00276	1	04/17/2020 16:35	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000831	0.00276	1	04/17/2020 16:35	WG1462208
Tetrachloroethene	U		0.000988	0.00276	1	04/17/2020 16:35	WG1462208
Toluene	U		0.00143	0.00551	1	04/17/2020 16:35	WG1462208
1,2,3-Trichlorobenzene	U		0.00808	0.0138	1	04/17/2020 16:35	WG1462208
1,2,4-Trichlorobenzene	U		0.00485	0.0138	1	04/17/2020 16:35	WG1462208
1,1,1-Trichloroethane	U		0.00102	0.00276	1	04/17/2020 16:35	WG1462208
1,1,2-Trichloroethane	U		0.000658	0.00276	1	04/17/2020 16:35	WG1462208
Trichloroethene	U		0.000644	0.00110	1	04/17/2020 16:35	WG1462208
Trichlorofluoromethane	U		0.000912	0.00276	1	04/17/2020 16:35	WG1462208
1,2,3-Trichloropropane	U		0.00179	0.0138	1	04/17/2020 16:35	WG1462208
1,2,4-Trimethylbenzene	U		0.00174	0.00551	1	04/17/2020 16:35	WG1462208
1,2,3-Trimethylbenzene	U		0.00174	0.00551	1	04/17/2020 16:35	WG1462208
1,3,5-Trimethylbenzene	U		0.00220	0.00551	1	04/17/2020 16:35	WG1462208
Vinyl acetate	U		0.00280	0.0138	1	04/17/2020 16:35	WG1462208
Vinyl chloride	U		0.00128	0.00276	1	04/17/2020 16:35	WG1462208
Xylenes, Total	U		0.000970	0.00716	1	04/17/2020 16:35	WG1462208
(S) Toluene-d8	*106*			*75.0-131*		*04/17/2020 16:35*	WG1462208
(S) 4-Bromofluorobenzene	*95.0*			*67.0-138*		*04/17/2020 16:35*	WG1462208
(S) 1,2-Dichloroethane-d4	*97.6*			*70.0-130*		*04/17/2020 16:35*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.3		1	04/21/2020 13:18	WG1463617

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0454	0.0622	1	04/17/2020 16:54	WG1462208
Acrylonitrile	U		0.00449	0.0156	1	04/17/2020 16:54	WG1462208
Benzene	U		0.000581	0.00124	1	04/17/2020 16:54	WG1462208
Bromobenzene	U		0.00112	0.0156	1	04/17/2020 16:54	WG1462208
Bromodichloromethane	U		0.000902	0.00311	1	04/17/2020 16:54	WG1462208
Bromochloromethane	U		0.000702	0.00622	1	04/17/2020 16:54	WG1462208
Bromoform	U		0.00146	0.0311	1	04/17/2020 16:54	WG1462208
Bromomethane	U		0.00245	0.0156	1	04/17/2020 16:54	WG1462208
n-Butylbenzene	U		0.00654	0.0156	1	04/17/2020 16:54	WG1462208
sec-Butylbenzene	U		0.00359	0.0156	1	04/17/2020 16:54	WG1462208
tert-Butylbenzene	U		0.00243	0.00622	1	04/17/2020 16:54	WG1462208
Carbon disulfide	U		0.000871	0.0156	1	04/17/2020 16:54	WG1462208
Carbon tetrachloride	U		0.00112	0.00622	1	04/17/2020 16:54	WG1462208
Chlorobenzene	U		0.000261	0.00311	1	04/17/2020 16:54	WG1462208
Chlorodibromomethane	U		0.000762	0.00311	1	04/17/2020 16:54	WG1462208
Chloroethane	U		0.00212	0.00622	1	04/17/2020 16:54	WG1462208
Chloroform	U		0.00128	0.00311	1	04/17/2020 16:54	WG1462208
Chloromethane	U		0.00541	0.0156	1	04/17/2020 16:54	WG1462208
2-Chlorotoluene	U		0.00108	0.00311	1	04/17/2020 16:54	WG1462208
4-Chlorotoluene	U		0.000560	0.00622	1	04/17/2020 16:54	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00485	0.0311	1	04/17/2020 16:54	WG1462208
1,2-Dibromoethane	U		0.000807	0.00311	1	04/17/2020 16:54	WG1462208
Dibromomethane	U		0.000934	0.00622	1	04/17/2020 16:54	WG1462208
1,2-Dichlorobenzene	U		0.000529	0.00622	1	04/17/2020 16:54	WG1462208
1,3-Dichlorobenzene	U		0.000747	0.00622	1	04/17/2020 16:54	WG1462208
1,4-Dichlorobenzene	U		0.000871	0.00622	1	04/17/2020 16:54	WG1462208
Dichlorodifluoromethane	U		0.00200	0.00311	1	04/17/2020 16:54	WG1462208
1,1-Dichloroethane	U		0.000611	0.00311	1	04/17/2020 16:54	WG1462208
1,2-Dichloroethane	U		0.000808	0.00311	1	04/17/2020 16:54	WG1462208
1,1-Dichloroethene	U		0.000754	0.00311	1	04/17/2020 16:54	WG1462208
cis-1,2-Dichloroethene	U		0.000914	0.00311	1	04/17/2020 16:54	WG1462208
trans-1,2-Dichloroethene	U		0.00129	0.00622	1	04/17/2020 16:54	WG1462208
1,2-Dichloropropane	U	J4	0.00177	0.00622	1	04/17/2020 16:54	WG1462208
1,1-Dichloropropene	U		0.00101	0.00311	1	04/17/2020 16:54	WG1462208
1,3-Dichloropropane	U		0.000624	0.00622	1	04/17/2020 16:54	WG1462208
cis-1,3-Dichloropropene	U		0.000942	0.00311	1	04/17/2020 16:54	WG1462208
trans-1,3-Dichloropropene	U		0.00142	0.00622	1	04/17/2020 16:54	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00232	0.00622	1	04/17/2020 16:54	WG1462208
2,2-Dichloropropane	U		0.00172	0.00311	1	04/17/2020 16:54	WG1462208
Di-isopropyl ether	U		0.000510	0.00124	1	04/17/2020 16:54	WG1462208
Ethylbenzene	U		0.000917	0.00311	1	04/17/2020 16:54	WG1462208
Hexachloro-1,3-butadiene	U		0.00747	0.0311	1	04/17/2020 16:54	WG1462208
2-Hexanone	U		0.00418	0.0311	1	04/17/2020 16:54	WG1462208
n-Hexane	U		0.00281	0.00622	1	04/17/2020 16:54	WG1462208
Iodomethane	U		0.00289	0.0156	1	04/17/2020 16:54	WG1462208
Isopropylbenzene	U		0.000529	0.00311	1	04/17/2020 16:54	WG1462208
p-Isopropyltoluene	U		0.00317	0.00622	1	04/17/2020 16:54	WG1462208
2-Butanone (MEK)	U		0.0790	0.124	1	04/17/2020 16:54	WG1462208
Methylene Chloride	U		0.00827	0.0311	1	04/17/2020 16:54	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00284	0.0311	1	04/17/2020 16:54	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000436	0.00124	1	04/17/2020 16:54	WG1462208
Naphthalene	U		0.00607	0.0156	1	04/17/2020 16:54	WG1462208
n-Propylbenzene	U		0.00118	0.00622	1	04/17/2020 16:54	WG1462208
Styrene	U		0.000285	0.0156	1	04/17/2020 16:54	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00118	0.00311	1	04/17/2020 16:54	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000865	0.00311	1	04/17/2020 16:54	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000939	0.00311	1	04/17/2020 16:54	WG1462208
Tetrachloroethene	U		0.00112	0.00311	1	04/17/2020 16:54	WG1462208
Toluene	U		0.00162	0.00622	1	04/17/2020 16:54	WG1462208
1,2,3-Trichlorobenzene	U		0.00912	0.0156	1	04/17/2020 16:54	WG1462208
1,2,4-Trichlorobenzene	U		0.00548	0.0156	1	04/17/2020 16:54	WG1462208
1,1,1-Trichloroethane	U		0.00115	0.00311	1	04/17/2020 16:54	WG1462208
1,1,2-Trichloroethane	U		0.000743	0.00311	1	04/17/2020 16:54	WG1462208
Trichloroethene	U		0.000727	0.00124	1	04/17/2020 16:54	WG1462208
Trichlorofluoromethane	U		0.00103	0.00311	1	04/17/2020 16:54	WG1462208
1,2,3-Trichloropropane	U		0.00202	0.0156	1	04/17/2020 16:54	WG1462208
1,2,4-Trimethylbenzene	U		0.00197	0.00622	1	04/17/2020 16:54	WG1462208
1,2,3-Trimethylbenzene	U		0.00197	0.00622	1	04/17/2020 16:54	WG1462208
1,3,5-Trimethylbenzene	U		0.00249	0.00622	1	04/17/2020 16:54	WG1462208
Vinyl acetate	U		0.00316	0.0156	1	04/17/2020 16:54	WG1462208
Vinyl chloride	U		0.00144	0.00311	1	04/17/2020 16:54	WG1462208
Xylenes, Total	U		0.00110	0.00809	1	04/17/2020 16:54	WG1462208
(S) Toluene-d8	*105*			*75.0-131*		*04/17/2020 16:54*	WG1462208
(S) 4-Bromofluorobenzene	*95.9*			*67.0-138*		*04/17/2020 16:54*	WG1462208
(S) 1,2-Dichloroethane-d4	*97.0*			*70.0-130*		*04/17/2020 16:54*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.9		1	04/21/2020 13:18	WG1463617

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0406	0.0556	1	04/17/2020 17:13	WG1462208
Acrylonitrile	U		0.00402	0.0139	1	04/17/2020 17:13	WG1462208
Benzene	U		0.000520	0.00111	1	04/17/2020 17:13	WG1462208
Bromobenzene	U		0.00100	0.0139	1	04/17/2020 17:13	WG1462208
Bromodichloromethane	U		0.000807	0.00278	1	04/17/2020 17:13	WG1462208
Bromochloromethane	U		0.000627	0.00556	1	04/17/2020 17:13	WG1462208
Bromoform	U		0.00130	0.0278	1	04/17/2020 17:13	WG1462208
Bromomethane	U		0.00219	0.0139	1	04/17/2020 17:13	WG1462208
n-Butylbenzene	U		0.00584	0.0139	1	04/17/2020 17:13	WG1462208
sec-Butylbenzene	U		0.00320	0.0139	1	04/17/2020 17:13	WG1462208
tert-Butylbenzene	U		0.00217	0.00556	1	04/17/2020 17:13	WG1462208
Carbon disulfide	U		0.000779	0.0139	1	04/17/2020 17:13	WG1462208
Carbon tetrachloride	U		0.000999	0.00556	1	04/17/2020 17:13	WG1462208
Chlorobenzene	U		0.000234	0.00278	1	04/17/2020 17:13	WG1462208
Chlorodibromomethane	U		0.000681	0.00278	1	04/17/2020 17:13	WG1462208
Chloroethane	U		0.00189	0.00556	1	04/17/2020 17:13	WG1462208
Chloroform	U		0.00115	0.00278	1	04/17/2020 17:13	WG1462208
Chloromethane	U		0.00484	0.0139	1	04/17/2020 17:13	WG1462208
2-Chlorotoluene	U		0.000962	0.00278	1	04/17/2020 17:13	WG1462208
4-Chlorotoluene	U		0.000501	0.00556	1	04/17/2020 17:13	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00434	0.0278	1	04/17/2020 17:13	WG1462208
1,2-Dibromoethane	U		0.000721	0.00278	1	04/17/2020 17:13	WG1462208
Dibromomethane	U		0.000834	0.00556	1	04/17/2020 17:13	WG1462208
1,2-Dichlorobenzene	U		0.000473	0.00556	1	04/17/2020 17:13	WG1462208
1,3-Dichlorobenzene	U		0.000668	0.00556	1	04/17/2020 17:13	WG1462208
1,4-Dichlorobenzene	U		0.000779	0.00556	1	04/17/2020 17:13	WG1462208
Dichlorodifluoromethane	U		0.00179	0.00278	1	04/17/2020 17:13	WG1462208
1,1-Dichloroethane	U		0.000546	0.00278	1	04/17/2020 17:13	WG1462208
1,2-Dichloroethane	U		0.000722	0.00278	1	04/17/2020 17:13	WG1462208
1,1-Dichloroethene	U		0.000674	0.00278	1	04/17/2020 17:13	WG1462208
cis-1,2-Dichloroethene	U		0.000817	0.00278	1	04/17/2020 17:13	WG1462208
trans-1,2-Dichloroethene	U		0.00116	0.00556	1	04/17/2020 17:13	WG1462208
1,2-Dichloropropane	U	J4	0.00158	0.00556	1	04/17/2020 17:13	WG1462208
1,1-Dichloropropene	U		0.000900	0.00278	1	04/17/2020 17:13	WG1462208
1,3-Dichloropropane	U		0.000557	0.00556	1	04/17/2020 17:13	WG1462208
cis-1,3-Dichloropropene	U		0.000842	0.00278	1	04/17/2020 17:13	WG1462208
trans-1,3-Dichloropropene	U		0.00127	0.00556	1	04/17/2020 17:13	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00207	0.00556	1	04/17/2020 17:13	WG1462208
2,2-Dichloropropane	U		0.00154	0.00278	1	04/17/2020 17:13	WG1462208
Di-isopropyl ether	U		0.000456	0.00111	1	04/17/2020 17:13	WG1462208
Ethylbenzene	U		0.000820	0.00278	1	04/17/2020 17:13	WG1462208
Hexachloro-1,3-butadiene	U		0.00668	0.0278	1	04/17/2020 17:13	WG1462208
2-Hexanone	U		0.00374	0.0278	1	04/17/2020 17:13	WG1462208
n-Hexane	U		0.00251	0.00556	1	04/17/2020 17:13	WG1462208
Iodomethane	U		0.00258	0.0139	1	04/17/2020 17:13	WG1462208
Isopropylbenzene	U		0.000473	0.00278	1	04/17/2020 17:13	WG1462208
p-Isopropyltoluene	U		0.00284	0.00556	1	04/17/2020 17:13	WG1462208
2-Butanone (MEK)	U		0.0706	0.111	1	04/17/2020 17:13	WG1462208
Methylene Chloride	U		0.00739	0.0278	1	04/17/2020 17:13	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00254	0.0278	1	04/17/2020 17:13	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000389	0.00111	1	04/17/2020 17:13	WG1462208
Naphthalene	U		0.00543	0.0139	1	04/17/2020 17:13	WG1462208
n-Propylbenzene	U		0.00106	0.00556	1	04/17/2020 17:13	WG1462208
Styrene	U		0.000255	0.0139	1	04/17/2020 17:13	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00105	0.00278	1	04/17/2020 17:13	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000773	0.00278	1	04/17/2020 17:13	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000839	0.00278	1	04/17/2020 17:13	WG1462208
Tetrachloroethene	U		0.000997	0.00278	1	04/17/2020 17:13	WG1462208
Toluene	U		0.00145	0.00556	1	04/17/2020 17:13	WG1462208
1,2,3-Trichlorobenzene	U		0.00816	0.0139	1	04/17/2020 17:13	WG1462208
1,2,4-Trichlorobenzene	U		0.00490	0.0139	1	04/17/2020 17:13	WG1462208
1,1,1-Trichloroethane	U		0.00103	0.00278	1	04/17/2020 17:13	WG1462208
1,1,2-Trichloroethane	U		0.000664	0.00278	1	04/17/2020 17:13	WG1462208
Trichloroethene	U		0.000650	0.00111	1	04/17/2020 17:13	WG1462208
Trichlorofluoromethane	U		0.000920	0.00278	1	04/17/2020 17:13	WG1462208
1,2,3-Trichloropropane	U		0.00180	0.0139	1	04/17/2020 17:13	WG1462208
1,2,4-Trimethylbenzene	U		0.00176	0.00556	1	04/17/2020 17:13	WG1462208
1,2,3-Trimethylbenzene	U		0.00176	0.00556	1	04/17/2020 17:13	WG1462208
1,3,5-Trimethylbenzene	U		0.00223	0.00556	1	04/17/2020 17:13	WG1462208
Vinyl acetate	U		0.00283	0.0139	1	04/17/2020 17:13	WG1462208
Vinyl chloride	U		0.00129	0.00278	1	04/17/2020 17:13	WG1462208
Xylenes, Total	U		0.000979	0.00723	1	04/17/2020 17:13	WG1462208
(S) Toluene-d8	*106*			*75.0-131*		*04/17/2020 17:13*	WG1462208
(S) 4-Bromofluorobenzene	*95.6*			*67.0-138*		*04/17/2020 17:13*	WG1462208
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*04/17/2020 17:13*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	04/21/2020 13:18	WG1463617

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0415	0.0569	1	04/17/2020 17:32	WG1462208
Acrylonitrile	U		0.00411	0.0142	1	04/17/2020 17:32	WG1462208
Benzene	U		0.000531	0.00114	1	04/17/2020 17:32	WG1462208
Bromobenzene	U		0.00102	0.0142	1	04/17/2020 17:32	WG1462208
Bromodichloromethane	U		0.000824	0.00284	1	04/17/2020 17:32	WG1462208
Bromochloromethane	U		0.000641	0.00569	1	04/17/2020 17:32	WG1462208
Bromoform	U		0.00133	0.0284	1	04/17/2020 17:32	WG1462208
Bromomethane	U		0.00224	0.0142	1	04/17/2020 17:32	WG1462208
n-Butylbenzene	U		0.00597	0.0142	1	04/17/2020 17:32	WG1462208
sec-Butylbenzene	U		0.00327	0.0142	1	04/17/2020 17:32	WG1462208
tert-Butylbenzene	U		0.00222	0.00569	1	04/17/2020 17:32	WG1462208
Carbon disulfide	U		0.000796	0.0142	1	04/17/2020 17:32	WG1462208
Carbon tetrachloride	U		0.00102	0.00569	1	04/17/2020 17:32	WG1462208
Chlorobenzene	U		0.000239	0.00284	1	04/17/2020 17:32	WG1462208
Chlorodibromomethane	U		0.000696	0.00284	1	04/17/2020 17:32	WG1462208
Chloroethane	U		0.00193	0.00569	1	04/17/2020 17:32	WG1462208
Chloroform	U		0.00117	0.00284	1	04/17/2020 17:32	WG1462208
Chloromethane	U		0.00495	0.0142	1	04/17/2020 17:32	WG1462208
2-Chlorotoluene	U		0.000984	0.00284	1	04/17/2020 17:32	WG1462208
4-Chlorotoluene	U		0.000512	0.00569	1	04/17/2020 17:32	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00443	0.0284	1	04/17/2020 17:32	WG1462208
1,2-Dibromoethane	U		0.000737	0.00284	1	04/17/2020 17:32	WG1462208
Dibromomethane	U		0.000853	0.00569	1	04/17/2020 17:32	WG1462208
1,2-Dichlorobenzene	U		0.000483	0.00569	1	04/17/2020 17:32	WG1462208
1,3-Dichlorobenzene	U		0.000682	0.00569	1	04/17/2020 17:32	WG1462208
1,4-Dichlorobenzene	U		0.000796	0.00569	1	04/17/2020 17:32	WG1462208
Dichlorodifluoromethane	U		0.00183	0.00284	1	04/17/2020 17:32	WG1462208
1,1-Dichloroethane	U		0.000558	0.00284	1	04/17/2020 17:32	WG1462208
1,2-Dichloroethane	U		0.000738	0.00284	1	04/17/2020 17:32	WG1462208
1,1-Dichloroethene	U		0.000689	0.00284	1	04/17/2020 17:32	WG1462208
cis-1,2-Dichloroethene	0.00202	J	0.000835	0.00284	1	04/17/2020 17:32	WG1462208
trans-1,2-Dichloroethene	U		0.00118	0.00569	1	04/17/2020 17:32	WG1462208
1,2-Dichloropropane	U	J4	0.00161	0.00569	1	04/17/2020 17:32	WG1462208
1,1-Dichloropropene	U		0.000920	0.00284	1	04/17/2020 17:32	WG1462208
1,3-Dichloropropane	U		0.000570	0.00569	1	04/17/2020 17:32	WG1462208
cis-1,3-Dichloropropene	U		0.000861	0.00284	1	04/17/2020 17:32	WG1462208
trans-1,3-Dichloropropene	U		0.00130	0.00569	1	04/17/2020 17:32	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00212	0.00569	1	04/17/2020 17:32	WG1462208
2,2-Dichloropropane	U		0.00157	0.00284	1	04/17/2020 17:32	WG1462208
Di-isopropyl ether	U		0.000466	0.00114	1	04/17/2020 17:32	WG1462208
Ethylbenzene	U		0.000838	0.00284	1	04/17/2020 17:32	WG1462208
Hexachloro-1,3-butadiene	U		0.00682	0.0284	1	04/17/2020 17:32	WG1462208
2-Hexanone	U		0.00382	0.0284	1	04/17/2020 17:32	WG1462208
n-Hexane	U		0.00257	0.00569	1	04/17/2020 17:32	WG1462208
Iodomethane	U		0.00264	0.0142	1	04/17/2020 17:32	WG1462208
Isopropylbenzene	U		0.000483	0.00284	1	04/17/2020 17:32	WG1462208
p-Isopropyltoluene	U		0.00290	0.00569	1	04/17/2020 17:32	WG1462208
2-Butanone (MEK)	U		0.0722	0.114	1	04/17/2020 17:32	WG1462208
Methylene Chloride	U		0.00755	0.0284	1	04/17/2020 17:32	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00259	0.0284	1	04/17/2020 17:32	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000398	0.00114	1	04/17/2020 17:32	WG1462208
Naphthalene	U		0.00555	0.0142	1	04/17/2020 17:32	WG1462208
n-Propylbenzene	U		0.00108	0.00569	1	04/17/2020 17:32	WG1462208
Styrene	U		0.000260	0.0142	1	04/17/2020 17:32	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00108	0.00284	1	04/17/2020 17:32	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000790	0.00284	1	04/17/2020 17:32	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000857	0.00284	1	04/17/2020 17:32	WG1462208
Tetrachloroethene	U		0.00102	0.00284	1	04/17/2020 17:32	WG1462208
Toluene	U		0.00148	0.00569	1	04/17/2020 17:32	WG1462208
1,2,3-Trichlorobenzene	U		0.00834	0.0142	1	04/17/2020 17:32	WG1462208
1,2,4-Trichlorobenzene	U		0.00500	0.0142	1	04/17/2020 17:32	WG1462208
1,1,1-Trichloroethane	U		0.00105	0.00284	1	04/17/2020 17:32	WG1462208
1,1,2-Trichloroethane	U		0.000679	0.00284	1	04/17/2020 17:32	WG1462208
Trichloroethene	U		0.000664	0.00114	1	04/17/2020 17:32	WG1462208
Trichlorofluoromethane	U		0.000940	0.00284	1	04/17/2020 17:32	WG1462208
1,2,3-Trichloropropane	U		0.00184	0.0142	1	04/17/2020 17:32	WG1462208
1,2,4-Trimethylbenzene	U		0.00180	0.00569	1	04/17/2020 17:32	WG1462208
1,2,3-Trimethylbenzene	U		0.00180	0.00569	1	04/17/2020 17:32	WG1462208
1,3,5-Trimethylbenzene	U		0.00227	0.00569	1	04/17/2020 17:32	WG1462208
Vinyl acetate	U		0.00289	0.0142	1	04/17/2020 17:32	WG1462208
Vinyl chloride	U		0.00132	0.00284	1	04/17/2020 17:32	WG1462208
Xylenes, Total	U		0.00100	0.00739	1	04/17/2020 17:32	WG1462208
(S) Toluene-d8	*105*			*75.0-131*		*04/17/2020 17:32*	WG1462208
(S) 4-Bromofluorobenzene	*94.6*			*67.0-138*		*04/17/2020 17:32*	WG1462208
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*04/17/2020 17:32*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	04/21/2020 13:18	WG1463617

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0422	0.0579	1	04/17/2020 17:51	WG1462208
Acrylonitrile	U		0.00418	0.0145	1	04/17/2020 17:51	WG1462208
Benzene	0.000572	J	0.000540	0.00116	1	04/17/2020 17:51	WG1462208
Bromobenzene	U		0.00104	0.0145	1	04/17/2020 17:51	WG1462208
Bromodichloromethane	U		0.000839	0.00289	1	04/17/2020 17:51	WG1462208
Bromochloromethane	U		0.000653	0.00579	1	04/17/2020 17:51	WG1462208
Bromoform	U		0.00135	0.0289	1	04/17/2020 17:51	WG1462208
Bromomethane	U		0.00228	0.0145	1	04/17/2020 17:51	WG1462208
n-Butylbenzene	U		0.00608	0.0145	1	04/17/2020 17:51	WG1462208
sec-Butylbenzene	U		0.00333	0.0145	1	04/17/2020 17:51	WG1462208
tert-Butylbenzene	U		0.00226	0.00579	1	04/17/2020 17:51	WG1462208
Carbon disulfide	U		0.000810	0.0145	1	04/17/2020 17:51	WG1462208
Carbon tetrachloride	U		0.00104	0.00579	1	04/17/2020 17:51	WG1462208
Chlorobenzene	U		0.000243	0.00289	1	04/17/2020 17:51	WG1462208
Chlorodibromomethane	U		0.000708	0.00289	1	04/17/2020 17:51	WG1462208
Chloroethane	U		0.00197	0.00579	1	04/17/2020 17:51	WG1462208
Chloroform	U		0.00119	0.00289	1	04/17/2020 17:51	WG1462208
Chloromethane	U		0.00503	0.0145	1	04/17/2020 17:51	WG1462208
2-Chlorotoluene	U		0.00100	0.00289	1	04/17/2020 17:51	WG1462208
4-Chlorotoluene	U		0.000521	0.00579	1	04/17/2020 17:51	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00451	0.0289	1	04/17/2020 17:51	WG1462208
1,2-Dibromoethane	U		0.000750	0.00289	1	04/17/2020 17:51	WG1462208
Dibromomethane	U		0.000868	0.00579	1	04/17/2020 17:51	WG1462208
1,2-Dichlorobenzene	U		0.000492	0.00579	1	04/17/2020 17:51	WG1462208
1,3-Dichlorobenzene	U		0.000694	0.00579	1	04/17/2020 17:51	WG1462208
1,4-Dichlorobenzene	U		0.000810	0.00579	1	04/17/2020 17:51	WG1462208
Dichlorodifluoromethane	U		0.00186	0.00289	1	04/17/2020 17:51	WG1462208
1,1-Dichloroethane	U		0.000568	0.00289	1	04/17/2020 17:51	WG1462208
1,2-Dichloroethane	U		0.000751	0.00289	1	04/17/2020 17:51	WG1462208
1,1-Dichloroethene	U		0.000701	0.00289	1	04/17/2020 17:51	WG1462208
cis-1,2-Dichloroethene	0.00389		0.000849	0.00289	1	04/17/2020 17:51	WG1462208
trans-1,2-Dichloroethene	U		0.00120	0.00579	1	04/17/2020 17:51	WG1462208
1,2-Dichloropropane	U	J4	0.00164	0.00579	1	04/17/2020 17:51	WG1462208
1,1-Dichloropropene	U		0.000936	0.00289	1	04/17/2020 17:51	WG1462208
1,3-Dichloropropane	U		0.000580	0.00579	1	04/17/2020 17:51	WG1462208
cis-1,3-Dichloropropene	U		0.000876	0.00289	1	04/17/2020 17:51	WG1462208
trans-1,3-Dichloropropene	U		0.00132	0.00579	1	04/17/2020 17:51	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00215	0.00579	1	04/17/2020 17:51	WG1462208
2,2-Dichloropropane	U		0.00160	0.00289	1	04/17/2020 17:51	WG1462208
Di-isopropyl ether	U		0.000474	0.00116	1	04/17/2020 17:51	WG1462208
Ethylbenzene	U		0.000853	0.00289	1	04/17/2020 17:51	WG1462208
Hexachloro-1,3-butadiene	U		0.00694	0.0289	1	04/17/2020 17:51	WG1462208
2-Hexanone	U		0.00389	0.0289	1	04/17/2020 17:51	WG1462208
n-Hexane	U		0.00262	0.00579	1	04/17/2020 17:51	WG1462208
Iodomethane	U		0.00268	0.0145	1	04/17/2020 17:51	WG1462208
Isopropylbenzene	U		0.000492	0.00289	1	04/17/2020 17:51	WG1462208
p-Isopropyltoluene	U		0.00295	0.00579	1	04/17/2020 17:51	WG1462208
2-Butanone (MEK)	U		0.0735	0.116	1	04/17/2020 17:51	WG1462208
Methylene Chloride	U		0.00768	0.0289	1	04/17/2020 17:51	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00264	0.0289	1	04/17/2020 17:51	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000405	0.00116	1	04/17/2020 17:51	WG1462208
Naphthalene	U		0.00565	0.0145	1	04/17/2020 17:51	WG1462208
n-Propylbenzene	U		0.00110	0.00579	1	04/17/2020 17:51	WG1462208
Styrene	U		0.000265	0.0145	1	04/17/2020 17:51	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00110	0.00289	1	04/17/2020 17:51	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000804	0.00289	1	04/17/2020 17:51	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000873	0.00289	1	04/17/2020 17:51	WG1462208
Tetrachloroethene	U		0.00104	0.00289	1	04/17/2020 17:51	WG1462208
Toluene	U		0.00150	0.00579	1	04/17/2020 17:51	WG1462208
1,2,3-Trichlorobenzene	U		0.00848	0.0145	1	04/17/2020 17:51	WG1462208
1,2,4-Trichlorobenzene	U		0.00509	0.0145	1	04/17/2020 17:51	WG1462208
1,1,1-Trichloroethane	U		0.00107	0.00289	1	04/17/2020 17:51	WG1462208
1,1,2-Trichloroethane	U		0.000691	0.00289	1	04/17/2020 17:51	WG1462208
Trichloroethene	U		0.000676	0.00116	1	04/17/2020 17:51	WG1462208
Trichlorofluoromethane	U		0.000957	0.00289	1	04/17/2020 17:51	WG1462208
1,2,3-Trichloropropane	U		0.00187	0.0145	1	04/17/2020 17:51	WG1462208
1,2,4-Trimethylbenzene	U		0.00183	0.00579	1	04/17/2020 17:51	WG1462208
1,2,3-Trimethylbenzene	U		0.00183	0.00579	1	04/17/2020 17:51	WG1462208
1,3,5-Trimethylbenzene	U		0.00231	0.00579	1	04/17/2020 17:51	WG1462208
Vinyl acetate	U		0.00294	0.0145	1	04/17/2020 17:51	WG1462208
Vinyl chloride	U		0.00134	0.00289	1	04/17/2020 17:51	WG1462208
Xylenes, Total	U		0.00102	0.00752	1	04/17/2020 17:51	WG1462208
(S) Toluene-d8	*107*			*75.0-131*		*04/17/2020 17:51*	WG1462208
(S) 4-Bromofluorobenzene	*95.7*			*67.0-138*		*04/17/2020 17:51*	WG1462208
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*		*04/17/2020 17:51*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.7		1	04/21/2020 13:18	WG1463617

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0416	0.0570	1	04/17/2020 18:10	WG1462208
Acrylonitrile	U		0.00412	0.0143	1	04/17/2020 18:10	WG1462208
Benzene	U		0.000532	0.00114	1	04/17/2020 18:10	WG1462208
Bromobenzene	U		0.00103	0.0143	1	04/17/2020 18:10	WG1462208
Bromodichloromethane	U		0.000827	0.00285	1	04/17/2020 18:10	WG1462208
Bromochloromethane	U		0.000643	0.00570	1	04/17/2020 18:10	WG1462208
Bromoform	U		0.00133	0.0285	1	04/17/2020 18:10	WG1462208
Bromomethane	U		0.00225	0.0143	1	04/17/2020 18:10	WG1462208
n-Butylbenzene	U		0.00599	0.0143	1	04/17/2020 18:10	WG1462208
sec-Butylbenzene	U		0.00328	0.0143	1	04/17/2020 18:10	WG1462208
tert-Butylbenzene	U		0.00222	0.00570	1	04/17/2020 18:10	WG1462208
Carbon disulfide	U		0.000798	0.0143	1	04/17/2020 18:10	WG1462208
Carbon tetrachloride	U		0.00102	0.00570	1	04/17/2020 18:10	WG1462208
Chlorobenzene	U		0.000239	0.00285	1	04/17/2020 18:10	WG1462208
Chlorodibromomethane	U		0.000698	0.00285	1	04/17/2020 18:10	WG1462208
Chloroethane	U		0.00194	0.00570	1	04/17/2020 18:10	WG1462208
Chloroform	U		0.00117	0.00285	1	04/17/2020 18:10	WG1462208
Chloromethane	U		0.00496	0.0143	1	04/17/2020 18:10	WG1462208
2-Chlorotoluene	U		0.000986	0.00285	1	04/17/2020 18:10	WG1462208
4-Chlorotoluene	U		0.000513	0.00570	1	04/17/2020 18:10	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00445	0.0285	1	04/17/2020 18:10	WG1462208
1,2-Dibromoethane	U		0.000739	0.00285	1	04/17/2020 18:10	WG1462208
Dibromomethane	U		0.000855	0.00570	1	04/17/2020 18:10	WG1462208
1,2-Dichlorobenzene	U		0.000485	0.00570	1	04/17/2020 18:10	WG1462208
1,3-Dichlorobenzene	U		0.000684	0.00570	1	04/17/2020 18:10	WG1462208
1,4-Dichlorobenzene	U		0.000798	0.00570	1	04/17/2020 18:10	WG1462208
Dichlorodifluoromethane	U		0.00184	0.00285	1	04/17/2020 18:10	WG1462208
1,1-Dichloroethane	U		0.000560	0.00285	1	04/17/2020 18:10	WG1462208
1,2-Dichloroethane	U		0.000740	0.00285	1	04/17/2020 18:10	WG1462208
1,1-Dichloroethene	U		0.000691	0.00285	1	04/17/2020 18:10	WG1462208
cis-1,2-Dichloroethene	0.00841		0.000837	0.00285	1	04/17/2020 18:10	WG1462208
trans-1,2-Dichloroethene	U		0.00119	0.00570	1	04/17/2020 18:10	WG1462208
1,2-Dichloropropane	U	J4	0.00162	0.00570	1	04/17/2020 18:10	WG1462208
1,1-Dichloropropene	U		0.000922	0.00285	1	04/17/2020 18:10	WG1462208
1,3-Dichloropropane	U		0.000571	0.00570	1	04/17/2020 18:10	WG1462208
cis-1,3-Dichloropropene	U		0.000863	0.00285	1	04/17/2020 18:10	WG1462208
trans-1,3-Dichloropropene	U		0.00130	0.00570	1	04/17/2020 18:10	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00212	0.00570	1	04/17/2020 18:10	WG1462208
2,2-Dichloropropane	U		0.00157	0.00285	1	04/17/2020 18:10	WG1462208
Di-isopropyl ether	U		0.000467	0.00114	1	04/17/2020 18:10	WG1462208
Ethylbenzene	U		0.000840	0.00285	1	04/17/2020 18:10	WG1462208
Hexachloro-1,3-butadiene	U		0.00684	0.0285	1	04/17/2020 18:10	WG1462208
2-Hexanone	U		0.00383	0.0285	1	04/17/2020 18:10	WG1462208
n-Hexane	U		0.00258	0.00570	1	04/17/2020 18:10	WG1462208
Iodomethane	U		0.00264	0.0143	1	04/17/2020 18:10	WG1462208
Isopropylbenzene	U		0.000485	0.00285	1	04/17/2020 18:10	WG1462208
p-Isopropyltoluene	U		0.00291	0.00570	1	04/17/2020 18:10	WG1462208
2-Butanone (MEK)	U		0.0724	0.114	1	04/17/2020 18:10	WG1462208
Methylene Chloride	U		0.00757	0.0285	1	04/17/2020 18:10	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00260	0.0285	1	04/17/2020 18:10	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000399	0.00114	1	04/17/2020 18:10	WG1462208
Naphthalene	U		0.00556	0.0143	1	04/17/2020 18:10	WG1462208
n-Propylbenzene	U		0.00108	0.00570	1	04/17/2020 18:10	WG1462208
Styrene	U		0.000261	0.0143	1	04/17/2020 18:10	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00108	0.00285	1	04/17/2020 18:10	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000792	0.00285	1	04/17/2020 18:10	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000860	0.00285	1	04/17/2020 18:10	WG1462208
Tetrachloroethene	U		0.00102	0.00285	1	04/17/2020 18:10	WG1462208
Toluene	U		0.00148	0.00570	1	04/17/2020 18:10	WG1462208
1,2,3-Trichlorobenzene	U		0.00836	0.0143	1	04/17/2020 18:10	WG1462208
1,2,4-Trichlorobenzene	U		0.00502	0.0143	1	04/17/2020 18:10	WG1462208
1,1,1-Trichloroethane	U		0.00105	0.00285	1	04/17/2020 18:10	WG1462208
1,1,2-Trichloroethane	U		0.000681	0.00285	1	04/17/2020 18:10	WG1462208
Trichloroethene	U		0.000666	0.00114	1	04/17/2020 18:10	WG1462208
Trichlorofluoromethane	U		0.000943	0.00285	1	04/17/2020 18:10	WG1462208
1,2,3-Trichloropropane	U		0.00185	0.0143	1	04/17/2020 18:10	WG1462208
1,2,4-Trimethylbenzene	U		0.00180	0.00570	1	04/17/2020 18:10	WG1462208
1,2,3-Trimethylbenzene	U		0.00180	0.00570	1	04/17/2020 18:10	WG1462208
1,3,5-Trimethylbenzene	U		0.00228	0.00570	1	04/17/2020 18:10	WG1462208
Vinyl acetate	U		0.00290	0.0143	1	04/17/2020 18:10	WG1462208
Vinyl chloride	U		0.00132	0.00285	1	04/17/2020 18:10	WG1462208
Xylenes, Total	U		0.00100	0.00741	1	04/17/2020 18:10	WG1462208
(S) Toluene-d8	*107*			*75.0-131*		*04/17/2020 18:10*	WG1462208
(S) 4-Bromofluorobenzene	*95.1*			*67.0-138*		*04/17/2020 18:10*	WG1462208
(S) 1,2-Dichloroethane-d4	*95.2*			*70.0-130*		*04/17/2020 18:10*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.8		1	04/21/2020 13:18	WG1463617

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0420	0.0576	1	04/17/2020 18:29	WG1462208
Acrylonitrile	U		0.00416	0.0144	1	04/17/2020 18:29	WG1462208
Benzene	0.000727	J	0.000538	0.00115	1	04/17/2020 18:29	WG1462208
Bromobenzene	U		0.00104	0.0144	1	04/17/2020 18:29	WG1462208
Bromodichloromethane	U		0.000835	0.00288	1	04/17/2020 18:29	WG1462208
Bromochloromethane	U		0.000650	0.00576	1	04/17/2020 18:29	WG1462208
Bromoform	U		0.00135	0.0288	1	04/17/2020 18:29	WG1462208
Bromomethane	U		0.00227	0.0144	1	04/17/2020 18:29	WG1462208
n-Butylbenzene	U		0.00605	0.0144	1	04/17/2020 18:29	WG1462208
sec-Butylbenzene	U		0.00332	0.0144	1	04/17/2020 18:29	WG1462208
tert-Butylbenzene	U		0.00225	0.00576	1	04/17/2020 18:29	WG1462208
Carbon disulfide	U		0.000806	0.0144	1	04/17/2020 18:29	WG1462208
Carbon tetrachloride	U		0.00103	0.00576	1	04/17/2020 18:29	WG1462208
Chlorobenzene	U		0.000242	0.00288	1	04/17/2020 18:29	WG1462208
Chlorodibromomethane	U		0.000705	0.00288	1	04/17/2020 18:29	WG1462208
Chloroethane	U		0.00196	0.00576	1	04/17/2020 18:29	WG1462208
Chloroform	U		0.00119	0.00288	1	04/17/2020 18:29	WG1462208
Chloromethane	U		0.00501	0.0144	1	04/17/2020 18:29	WG1462208
2-Chlorotoluene	U		0.000996	0.00288	1	04/17/2020 18:29	WG1462208
4-Chlorotoluene	U		0.000518	0.00576	1	04/17/2020 18:29	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00449	0.0288	1	04/17/2020 18:29	WG1462208
1,2-Dibromoethane	U		0.000746	0.00288	1	04/17/2020 18:29	WG1462208
Dibromomethane	U		0.000864	0.00576	1	04/17/2020 18:29	WG1462208
1,2-Dichlorobenzene	U		0.000490	0.00576	1	04/17/2020 18:29	WG1462208
1,3-Dichlorobenzene	U		0.000691	0.00576	1	04/17/2020 18:29	WG1462208
1,4-Dichlorobenzene	U		0.000806	0.00576	1	04/17/2020 18:29	WG1462208
Dichlorodifluoromethane	U		0.00185	0.00288	1	04/17/2020 18:29	WG1462208
1,1-Dichloroethane	U		0.000566	0.00288	1	04/17/2020 18:29	WG1462208
1,2-Dichloroethane	U		0.000748	0.00288	1	04/17/2020 18:29	WG1462208
1,1-Dichloroethene	U		0.000698	0.00288	1	04/17/2020 18:29	WG1462208
cis-1,2-Dichloroethene	0.0158		0.000845	0.00288	1	04/17/2020 18:29	WG1462208
trans-1,2-Dichloroethene	U		0.00120	0.00576	1	04/17/2020 18:29	WG1462208
1,2-Dichloropropane	U	J4	0.00164	0.00576	1	04/17/2020 18:29	WG1462208
1,1-Dichloropropene	U		0.000932	0.00288	1	04/17/2020 18:29	WG1462208
1,3-Dichloropropane	U		0.000577	0.00576	1	04/17/2020 18:29	WG1462208
cis-1,3-Dichloropropene	U		0.000872	0.00288	1	04/17/2020 18:29	WG1462208
trans-1,3-Dichloropropene	U		0.00131	0.00576	1	04/17/2020 18:29	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00214	0.00576	1	04/17/2020 18:29	WG1462208
2,2-Dichloropropane	U		0.00159	0.00288	1	04/17/2020 18:29	WG1462208
Di-isopropyl ether	U		0.000472	0.00115	1	04/17/2020 18:29	WG1462208
Ethylbenzene	U		0.000849	0.00288	1	04/17/2020 18:29	WG1462208
Hexachloro-1,3-butadiene	U		0.00691	0.0288	1	04/17/2020 18:29	WG1462208
2-Hexanone	U		0.00387	0.0288	1	04/17/2020 18:29	WG1462208
n-Hexane	U		0.00260	0.00576	1	04/17/2020 18:29	WG1462208
Iodomethane	U		0.00267	0.0144	1	04/17/2020 18:29	WG1462208
Isopropylbenzene	U		0.000490	0.00288	1	04/17/2020 18:29	WG1462208
p-Isopropyltoluene	U		0.00294	0.00576	1	04/17/2020 18:29	WG1462208
2-Butanone (MEK)	U		0.0731	0.115	1	04/17/2020 18:29	WG1462208
Methylene Chloride	U		0.00765	0.0288	1	04/17/2020 18:29	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00263	0.0288	1	04/17/2020 18:29	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000403	0.00115	1	04/17/2020 18:29	WG1462208
Naphthalene	U		0.00562	0.0144	1	04/17/2020 18:29	WG1462208
n-Propylbenzene	U		0.00109	0.00576	1	04/17/2020 18:29	WG1462208
Styrene	U		0.000264	0.0144	1	04/17/2020 18:29	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00109	0.00288	1	04/17/2020 18:29	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000801	0.00288	1	04/17/2020 18:29	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000869	0.00288	1	04/17/2020 18:29	WG1462208
Tetrachloroethene	U		0.00103	0.00288	1	04/17/2020 18:29	WG1462208
Toluene	U		0.00150	0.00576	1	04/17/2020 18:29	WG1462208
1,2,3-Trichlorobenzene	U		0.00844	0.0144	1	04/17/2020 18:29	WG1462208
1,2,4-Trichlorobenzene	U		0.00507	0.0144	1	04/17/2020 18:29	WG1462208
1,1,1-Trichloroethane	U		0.00106	0.00288	1	04/17/2020 18:29	WG1462208
1,1,2-Trichloroethane	U		0.000688	0.00288	1	04/17/2020 18:29	WG1462208
Trichloroethene	U		0.000673	0.00115	1	04/17/2020 18:29	WG1462208
Trichlorofluoromethane	U		0.000953	0.00288	1	04/17/2020 18:29	WG1462208
1,2,3-Trichloropropane	U		0.00187	0.0144	1	04/17/2020 18:29	WG1462208
1,2,4-Trimethylbenzene	U		0.00182	0.00576	1	04/17/2020 18:29	WG1462208
1,2,3-Trimethylbenzene	U		0.00182	0.00576	1	04/17/2020 18:29	WG1462208
1,3,5-Trimethylbenzene	U		0.00230	0.00576	1	04/17/2020 18:29	WG1462208
Vinyl acetate	U		0.00293	0.0144	1	04/17/2020 18:29	WG1462208
Vinyl chloride	U		0.00134	0.00288	1	04/17/2020 18:29	WG1462208
Xylenes, Total	U		0.00101	0.00749	1	04/17/2020 18:29	WG1462208
(S) Toluene-d8	*106*			*75.0-131*		*04/17/2020 18:29*	WG1462208
(S) 4-Bromofluorobenzene	*94.9*			*67.0-138*		*04/17/2020 18:29*	WG1462208
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*		*04/17/2020 18:29*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.3		1	04/21/2020 13:09	WG1463618

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0395	0.0541	1	04/17/2020 18:48	WG1462208
Acrylonitrile	U		0.00391	0.0135	1	04/17/2020 18:48	WG1462208
Benzene	0.000856	J	0.000506	0.00108	1	04/17/2020 18:48	WG1462208
Bromobenzene	U		0.000975	0.0135	1	04/17/2020 18:48	WG1462208
Bromodichloromethane	U		0.000785	0.00271	1	04/17/2020 18:48	WG1462208
Bromochloromethane	U		0.000611	0.00541	1	04/17/2020 18:48	WG1462208
Bromoform	U		0.00127	0.0271	1	04/17/2020 18:48	WG1462208
Bromomethane	U		0.00213	0.0135	1	04/17/2020 18:48	WG1462208
n-Butylbenzene	U		0.00569	0.0135	1	04/17/2020 18:48	WG1462208
sec-Butylbenzene	U		0.00312	0.0135	1	04/17/2020 18:48	WG1462208
tert-Butylbenzene	U		0.00211	0.00541	1	04/17/2020 18:48	WG1462208
Carbon disulfide	U		0.000758	0.0135	1	04/17/2020 18:48	WG1462208
Carbon tetrachloride	U		0.000972	0.00541	1	04/17/2020 18:48	WG1462208
Chlorobenzene	U		0.000227	0.00271	1	04/17/2020 18:48	WG1462208
Chlorodibromomethane	U		0.000663	0.00271	1	04/17/2020 18:48	WG1462208
Chloroethane	U		0.00184	0.00541	1	04/17/2020 18:48	WG1462208
Chloroform	U		0.00112	0.00271	1	04/17/2020 18:48	WG1462208
Chloromethane	U		0.00471	0.0135	1	04/17/2020 18:48	WG1462208
2-Chlorotoluene	U		0.000937	0.00271	1	04/17/2020 18:48	WG1462208
4-Chlorotoluene	U		0.000487	0.00541	1	04/17/2020 18:48	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00422	0.0271	1	04/17/2020 18:48	WG1462208
1,2-Dibromoethane	U		0.000702	0.00271	1	04/17/2020 18:48	WG1462208
Dibromomethane	U		0.000812	0.00541	1	04/17/2020 18:48	WG1462208
1,2-Dichlorobenzene	U		0.000460	0.00541	1	04/17/2020 18:48	WG1462208
1,3-Dichlorobenzene	U		0.000650	0.00541	1	04/17/2020 18:48	WG1462208
1,4-Dichlorobenzene	U		0.000758	0.00541	1	04/17/2020 18:48	WG1462208
Dichlorodifluoromethane	U		0.00174	0.00271	1	04/17/2020 18:48	WG1462208
1,1-Dichloroethane	U		0.000532	0.00271	1	04/17/2020 18:48	WG1462208
1,2-Dichloroethane	U		0.000703	0.00271	1	04/17/2020 18:48	WG1462208
1,1-Dichloroethene	U		0.000656	0.00271	1	04/17/2020 18:48	WG1462208
cis-1,2-Dichloroethene	0.0144		0.000795	0.00271	1	04/17/2020 18:48	WG1462208
trans-1,2-Dichloroethene	U		0.00113	0.00541	1	04/17/2020 18:48	WG1462208
1,2-Dichloropropane	U	J4	0.00154	0.00541	1	04/17/2020 18:48	WG1462208
1,1-Dichloropropene	U		0.000876	0.00271	1	04/17/2020 18:48	WG1462208
1,3-Dichloropropane	U		0.000543	0.00541	1	04/17/2020 18:48	WG1462208
cis-1,3-Dichloropropene	U		0.000820	0.00271	1	04/17/2020 18:48	WG1462208
trans-1,3-Dichloropropene	U		0.00123	0.00541	1	04/17/2020 18:48	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00201	0.00541	1	04/17/2020 18:48	WG1462208
2,2-Dichloropropane	U		0.00149	0.00271	1	04/17/2020 18:48	WG1462208
Di-isopropyl ether	U		0.000444	0.00108	1	04/17/2020 18:48	WG1462208
Ethylbenzene	U		0.000798	0.00271	1	04/17/2020 18:48	WG1462208
Hexachloro-1,3-butadiene	U		0.00650	0.0271	1	04/17/2020 18:48	WG1462208
2-Hexanone	U		0.00364	0.0271	1	04/17/2020 18:48	WG1462208
n-Hexane	U		0.00245	0.00541	1	04/17/2020 18:48	WG1462208
Iodomethane	U		0.00251	0.0135	1	04/17/2020 18:48	WG1462208
Isopropylbenzene	U		0.000460	0.00271	1	04/17/2020 18:48	WG1462208
p-Isopropyltoluene	U		0.00276	0.00541	1	04/17/2020 18:48	WG1462208
2-Butanone (MEK)	U		0.0688	0.108	1	04/17/2020 18:48	WG1462208
Methylene Chloride	U		0.00719	0.0271	1	04/17/2020 18:48	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00247	0.0271	1	04/17/2020 18:48	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000379	0.00108	1	04/17/2020 18:48	WG1462208
Naphthalene	U		0.00528	0.0135	1	04/17/2020 18:48	WG1462208
n-Propylbenzene	U		0.00103	0.00541	1	04/17/2020 18:48	WG1462208
Styrene	U		0.000248	0.0135	1	04/17/2020 18:48	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00103	0.00271	1	04/17/2020 18:48	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000753	0.00271	1	04/17/2020 18:48	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000817	0.00271	1	04/17/2020 18:48	WG1462208
Tetrachloroethene	U		0.000970	0.00271	1	04/17/2020 18:48	WG1462208
Toluene	U		0.00141	0.00541	1	04/17/2020 18:48	WG1462208
1,2,3-Trichlorobenzene	U		0.00794	0.0135	1	04/17/2020 18:48	WG1462208
1,2,4-Trichlorobenzene	U		0.00476	0.0135	1	04/17/2020 18:48	WG1462208
1,1,1-Trichloroethane	U		0.00100	0.00271	1	04/17/2020 18:48	WG1462208
1,1,2-Trichloroethane	U		0.000647	0.00271	1	04/17/2020 18:48	WG1462208
Trichloroethene	U		0.000632	0.00108	1	04/17/2020 18:48	WG1462208
Trichlorofluoromethane	U		0.000896	0.00271	1	04/17/2020 18:48	WG1462208
1,2,3-Trichloropropane	U		0.00175	0.0135	1	04/17/2020 18:48	WG1462208
1,2,4-Trimethylbenzene	U		0.00171	0.00541	1	04/17/2020 18:48	WG1462208
1,2,3-Trimethylbenzene	U		0.00171	0.00541	1	04/17/2020 18:48	WG1462208
1,3,5-Trimethylbenzene	U		0.00217	0.00541	1	04/17/2020 18:48	WG1462208
Vinyl acetate	U		0.00275	0.0135	1	04/17/2020 18:48	WG1462208
Vinyl chloride	U		0.00126	0.00271	1	04/17/2020 18:48	WG1462208
Xylenes, Total	U		0.000953	0.00704	1	04/17/2020 18:48	WG1462208
(S) Toluene-d8	*107*			*75.0-131*		*04/17/2020 18:48*	WG1462208
(S) 4-Bromofluorobenzene	*99.0*			*67.0-138*		*04/17/2020 18:48*	WG1462208
(S) 1,2-Dichloroethane-d4	*97.1*			*70.0-130*		*04/17/2020 18:48*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	04/21/2020 13:09	WG1463618

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0396	0.0543	1	04/17/2020 19:08	WG1462208
Acrylonitrile	U		0.00392	0.0136	1	04/17/2020 19:08	WG1462208
Benzene	0.000828	J	0.000507	0.00109	1	04/17/2020 19:08	WG1462208
Bromobenzene	U		0.000977	0.0136	1	04/17/2020 19:08	WG1462208
Bromodichloromethane	U		0.000787	0.00271	1	04/17/2020 19:08	WG1462208
Bromochloromethane	U		0.000612	0.00543	1	04/17/2020 19:08	WG1462208
Bromoform	U		0.00127	0.0271	1	04/17/2020 19:08	WG1462208
Bromomethane	U		0.00214	0.0136	1	04/17/2020 19:08	WG1462208
n-Butylbenzene	U		0.00570	0.0136	1	04/17/2020 19:08	WG1462208
sec-Butylbenzene	U		0.00313	0.0136	1	04/17/2020 19:08	WG1462208
tert-Butylbenzene	U		0.00212	0.00543	1	04/17/2020 19:08	WG1462208
Carbon disulfide	U		0.000760	0.0136	1	04/17/2020 19:08	WG1462208
Carbon tetrachloride	U		0.000975	0.00543	1	04/17/2020 19:08	WG1462208
Chlorobenzene	U		0.000228	0.00271	1	04/17/2020 19:08	WG1462208
Chlorodibromomethane	U		0.000665	0.00271	1	04/17/2020 19:08	WG1462208
Chloroethane	U		0.00185	0.00543	1	04/17/2020 19:08	WG1462208
Chloroform	U		0.00112	0.00271	1	04/17/2020 19:08	WG1462208
Chloromethane	U		0.00472	0.0136	1	04/17/2020 19:08	WG1462208
2-Chlorotoluene	U		0.000939	0.00271	1	04/17/2020 19:08	WG1462208
4-Chlorotoluene	U		0.000489	0.00543	1	04/17/2020 19:08	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00423	0.0271	1	04/17/2020 19:08	WG1462208
1,2-Dibromoethane	U		0.000704	0.00271	1	04/17/2020 19:08	WG1462208
Dibromomethane	U		0.000814	0.00543	1	04/17/2020 19:08	WG1462208
1,2-Dichlorobenzene	U		0.000461	0.00543	1	04/17/2020 19:08	WG1462208
1,3-Dichlorobenzene	U		0.000652	0.00543	1	04/17/2020 19:08	WG1462208
1,4-Dichlorobenzene	U		0.000760	0.00543	1	04/17/2020 19:08	WG1462208
Dichlorodifluoromethane	U		0.00175	0.00271	1	04/17/2020 19:08	WG1462208
1,1-Dichloroethane	U		0.000533	0.00271	1	04/17/2020 19:08	WG1462208
1,2-Dichloroethane	U		0.000705	0.00271	1	04/17/2020 19:08	WG1462208
1,1-Dichloroethene	U		0.000658	0.00271	1	04/17/2020 19:08	WG1462208
cis-1,2-Dichloroethene	0.00844		0.000797	0.00271	1	04/17/2020 19:08	WG1462208
trans-1,2-Dichloroethene	U		0.00113	0.00543	1	04/17/2020 19:08	WG1462208
1,2-Dichloropropane	U	J4	0.00154	0.00543	1	04/17/2020 19:08	WG1462208
1,1-Dichloropropene	U		0.000878	0.00271	1	04/17/2020 19:08	WG1462208
1,3-Dichloropropane	U		0.000544	0.00543	1	04/17/2020 19:08	WG1462208
cis-1,3-Dichloropropene	U		0.000822	0.00271	1	04/17/2020 19:08	WG1462208
trans-1,3-Dichloropropene	U		0.00124	0.00543	1	04/17/2020 19:08	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00202	0.00543	1	04/17/2020 19:08	WG1462208
2,2-Dichloropropane	U		0.00150	0.00271	1	04/17/2020 19:08	WG1462208
Di-isopropyl ether	U		0.000445	0.00109	1	04/17/2020 19:08	WG1462208
Ethylbenzene	U		0.000800	0.00271	1	04/17/2020 19:08	WG1462208
Hexachloro-1,3-butadiene	U		0.00652	0.0271	1	04/17/2020 19:08	WG1462208
2-Hexanone	U		0.00365	0.0271	1	04/17/2020 19:08	WG1462208
n-Hexane	U		0.00245	0.00543	1	04/17/2020 19:08	WG1462208
Iodomethane	U		0.00252	0.0136	1	04/17/2020 19:08	WG1462208
Isopropylbenzene	U		0.000461	0.00271	1	04/17/2020 19:08	WG1462208
p-Isopropyltoluene	U		0.00277	0.00543	1	04/17/2020 19:08	WG1462208
2-Butanone (MEK)	U		0.0690	0.109	1	04/17/2020 19:08	WG1462208
Methylene Chloride	U		0.00721	0.0271	1	04/17/2020 19:08	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00248	0.0271	1	04/17/2020 19:08	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000380	0.00109	1	04/17/2020 19:08	WG1462208
Naphthalene	U		0.00530	0.0136	1	04/17/2020 19:08	WG1462208
n-Propylbenzene	U		0.00103	0.00543	1	04/17/2020 19:08	WG1462208
Styrene	U		0.000249	0.0136	1	04/17/2020 19:08	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00103	0.00271	1	04/17/2020 19:08	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000755	0.00271	1	04/17/2020 19:08	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000819	0.00271	1	04/17/2020 19:08	WG1462208
Tetrachloroethene	U		0.000973	0.00271	1	04/17/2020 19:08	WG1462208
Toluene	U		0.00141	0.00543	1	04/17/2020 19:08	WG1462208
1,2,3-Trichlorobenzene	U		0.00796	0.0136	1	04/17/2020 19:08	WG1462208
1,2,4-Trichlorobenzene	U		0.00478	0.0136	1	04/17/2020 19:08	WG1462208
1,1,1-Trichloroethane	U		0.00100	0.00271	1	04/17/2020 19:08	WG1462208
1,1,2-Trichloroethane	U		0.000648	0.00271	1	04/17/2020 19:08	WG1462208
Trichloroethene	U		0.000634	0.00109	1	04/17/2020 19:08	WG1462208
Trichlorofluoromethane	U		0.000898	0.00271	1	04/17/2020 19:08	WG1462208
1,2,3-Trichloropropane	U		0.00176	0.0136	1	04/17/2020 19:08	WG1462208
1,2,4-Trimethylbenzene	U		0.00172	0.00543	1	04/17/2020 19:08	WG1462208
1,2,3-Trimethylbenzene	U		0.00172	0.00543	1	04/17/2020 19:08	WG1462208
1,3,5-Trimethylbenzene	U		0.00217	0.00543	1	04/17/2020 19:08	WG1462208
Vinyl acetate	U		0.00276	0.0136	1	04/17/2020 19:08	WG1462208
Vinyl chloride	U		0.00126	0.00271	1	04/17/2020 19:08	WG1462208
Xylenes, Total	U		0.000956	0.00706	1	04/17/2020 19:08	WG1462208
(S) Toluene-d8	*105*			*75.0-131*		*04/17/2020 19:08*	WG1462208
(S) 4-Bromofluorobenzene	*97.5*			*67.0-138*		*04/17/2020 19:08*	WG1462208
(S) 1,2-Dichloroethane-d4	*98.2*			*70.0-130*		*04/17/2020 19:08*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.4		1	04/21/2020 13:09	WG1463618

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0387	0.0530	1	04/17/2020 19:27	WG1462208
Acrylonitrile	U		0.00382	0.0132	1	04/17/2020 19:27	WG1462208
Benzene	U		0.000495	0.00106	1	04/17/2020 19:27	WG1462208
Bromobenzene	U		0.000953	0.0132	1	04/17/2020 19:27	WG1462208
Bromodichloromethane	U		0.000768	0.00265	1	04/17/2020 19:27	WG1462208
Bromochloromethane	U		0.000597	0.00530	1	04/17/2020 19:27	WG1462208
Bromoform	U		0.00124	0.0265	1	04/17/2020 19:27	WG1462208
Bromomethane	U		0.00209	0.0132	1	04/17/2020 19:27	WG1462208
n-Butylbenzene	U		0.00556	0.0132	1	04/17/2020 19:27	WG1462208
sec-Butylbenzene	U		0.00305	0.0132	1	04/17/2020 19:27	WG1462208
tert-Butylbenzene	U		0.00207	0.00530	1	04/17/2020 19:27	WG1462208
Carbon disulfide	U		0.000741	0.0132	1	04/17/2020 19:27	WG1462208
Carbon tetrachloride	U		0.000951	0.00530	1	04/17/2020 19:27	WG1462208
Chlorobenzene	U		0.000222	0.00265	1	04/17/2020 19:27	WG1462208
Chlorodibromomethane	U		0.000648	0.00265	1	04/17/2020 19:27	WG1462208
Chloroethane	U		0.00180	0.00530	1	04/17/2020 19:27	WG1462208
Chloroform	U		0.00109	0.00265	1	04/17/2020 19:27	WG1462208
Chloromethane	U		0.00461	0.0132	1	04/17/2020 19:27	WG1462208
2-Chlorotoluene	U		0.000916	0.00265	1	04/17/2020 19:27	WG1462208
4-Chlorotoluene	U		0.000477	0.00530	1	04/17/2020 19:27	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00413	0.0265	1	04/17/2020 19:27	WG1462208
1,2-Dibromoethane	U		0.000686	0.00265	1	04/17/2020 19:27	WG1462208
Dibromomethane	U		0.000794	0.00530	1	04/17/2020 19:27	WG1462208
1,2-Dichlorobenzene	U		0.000450	0.00530	1	04/17/2020 19:27	WG1462208
1,3-Dichlorobenzene	U		0.000636	0.00530	1	04/17/2020 19:27	WG1462208
1,4-Dichlorobenzene	U		0.000741	0.00530	1	04/17/2020 19:27	WG1462208
Dichlorodifluoromethane	U		0.00171	0.00265	1	04/17/2020 19:27	WG1462208
1,1-Dichloroethane	U		0.000520	0.00265	1	04/17/2020 19:27	WG1462208
1,2-Dichloroethane	U		0.000687	0.00265	1	04/17/2020 19:27	WG1462208
1,1-Dichloroethene	U		0.000642	0.00265	1	04/17/2020 19:27	WG1462208
cis-1,2-Dichloroethene	0.00200	J	0.000777	0.00265	1	04/17/2020 19:27	WG1462208
trans-1,2-Dichloroethene	U		0.00110	0.00530	1	04/17/2020 19:27	WG1462208
1,2-Dichloropropane	U	J4	0.00150	0.00530	1	04/17/2020 19:27	WG1462208
1,1-Dichloropropene	U		0.000857	0.00265	1	04/17/2020 19:27	WG1462208
1,3-Dichloropropane	U		0.000531	0.00530	1	04/17/2020 19:27	WG1462208
cis-1,3-Dichloropropene	U		0.000802	0.00265	1	04/17/2020 19:27	WG1462208
trans-1,3-Dichloropropene	U		0.00121	0.00530	1	04/17/2020 19:27	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00197	0.00530	1	04/17/2020 19:27	WG1462208
2,2-Dichloropropane	U		0.00146	0.00265	1	04/17/2020 19:27	WG1462208
Di-isopropyl ether	U		0.000434	0.00106	1	04/17/2020 19:27	WG1462208
Ethylbenzene	U		0.000781	0.00265	1	04/17/2020 19:27	WG1462208
Hexachloro-1,3-butadiene	U		0.00636	0.0265	1	04/17/2020 19:27	WG1462208
2-Hexanone	U		0.00356	0.0265	1	04/17/2020 19:27	WG1462208
n-Hexane	U		0.00239	0.00530	1	04/17/2020 19:27	WG1462208
Iodomethane	U		0.00246	0.0132	1	04/17/2020 19:27	WG1462208
Isopropylbenzene	U		0.000450	0.00265	1	04/17/2020 19:27	WG1462208
p-Isopropyltoluene	U		0.00270	0.00530	1	04/17/2020 19:27	WG1462208
2-Butanone (MEK)	U		0.0673	0.106	1	04/17/2020 19:27	WG1462208
Methylene Chloride	U		0.00703	0.0265	1	04/17/2020 19:27	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00241	0.0265	1	04/17/2020 19:27	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000371	0.00106	1	04/17/2020 19:27	WG1462208
Naphthalene	U		0.00517	0.0132	1	04/17/2020 19:27	WG1462208
n-Propylbenzene	U		0.00101	0.00530	1	04/17/2020 19:27	WG1462208
Styrene	U		0.000243	0.0132	1	04/17/2020 19:27	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00100	0.00265	1	04/17/2020 19:27	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000736	0.00265	1	04/17/2020 19:27	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000799	0.00265	1	04/17/2020 19:27	WG1462208
Tetrachloroethene	U		0.000949	0.00265	1	04/17/2020 19:27	WG1462208
Toluene	U		0.00138	0.00530	1	04/17/2020 19:27	WG1462208
1,2,3-Trichlorobenzene	U		0.00776	0.0132	1	04/17/2020 19:27	WG1462208
1,2,4-Trichlorobenzene	U		0.00466	0.0132	1	04/17/2020 19:27	WG1462208
1,1,1-Trichloroethane	U		0.000978	0.00265	1	04/17/2020 19:27	WG1462208
1,1,2-Trichloroethane	U		0.000632	0.00265	1	04/17/2020 19:27	WG1462208
Trichloroethene	U		0.000619	0.00106	1	04/17/2020 19:27	WG1462208
Trichlorofluoromethane	U		0.000876	0.00265	1	04/17/2020 19:27	WG1462208
1,2,3-Trichloropropane	U		0.00172	0.0132	1	04/17/2020 19:27	WG1462208
1,2,4-Trimethylbenzene	U		0.00167	0.00530	1	04/17/2020 19:27	WG1462208
1,2,3-Trimethylbenzene	U		0.00167	0.00530	1	04/17/2020 19:27	WG1462208
1,3,5-Trimethylbenzene	U		0.00212	0.00530	1	04/17/2020 19:27	WG1462208
Vinyl acetate	U		0.00269	0.0132	1	04/17/2020 19:27	WG1462208
Vinyl chloride	U		0.00123	0.00265	1	04/17/2020 19:27	WG1462208
Xylenes, Total	U		0.000932	0.00688	1	04/17/2020 19:27	WG1462208
(S) Toluene-d8	*105*			*75.0-131*		*04/17/2020 19:27*	WG1462208
(S) 4-Bromofluorobenzene	*95.2*			*67.0-138*		*04/17/2020 19:27*	WG1462208
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*		*04/17/2020 19:27*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	04/21/2020 13:09	WG1463618

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0409	0.0560	1	04/17/2020 19:46	WG1462208
Acrylonitrile	U		0.00404	0.0140	1	04/17/2020 19:46	WG1462208
Benzene	U		0.000523	0.00112	1	04/17/2020 19:46	WG1462208
Bromobenzene	U		0.00101	0.0140	1	04/17/2020 19:46	WG1462208
Bromodichloromethane	U		0.000812	0.00280	1	04/17/2020 19:46	WG1462208
Bromochloromethane	U		0.000632	0.00560	1	04/17/2020 19:46	WG1462208
Bromoform	U		0.00131	0.0280	1	04/17/2020 19:46	WG1462208
Bromomethane	U		0.00221	0.0140	1	04/17/2020 19:46	WG1462208
n-Butylbenzene	U		0.00588	0.0140	1	04/17/2020 19:46	WG1462208
sec-Butylbenzene	U		0.00323	0.0140	1	04/17/2020 19:46	WG1462208
tert-Butylbenzene	U		0.00218	0.00560	1	04/17/2020 19:46	WG1462208
Carbon disulfide	U		0.000784	0.0140	1	04/17/2020 19:46	WG1462208
Carbon tetrachloride	U		0.00101	0.00560	1	04/17/2020 19:46	WG1462208
Chlorobenzene	U		0.000235	0.00280	1	04/17/2020 19:46	WG1462208
Chlorodibromomethane	U		0.000686	0.00280	1	04/17/2020 19:46	WG1462208
Chloroethane	U		0.00190	0.00560	1	04/17/2020 19:46	WG1462208
Chloroform	U		0.00115	0.00280	1	04/17/2020 19:46	WG1462208
Chloromethane	U		0.00487	0.0140	1	04/17/2020 19:46	WG1462208
2-Chlorotoluene	U		0.000969	0.00280	1	04/17/2020 19:46	WG1462208
4-Chlorotoluene	U		0.000504	0.00560	1	04/17/2020 19:46	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00437	0.0280	1	04/17/2020 19:46	WG1462208
1,2-Dibromoethane	U		0.000726	0.00280	1	04/17/2020 19:46	WG1462208
Dibromomethane	U		0.000840	0.00560	1	04/17/2020 19:46	WG1462208
1,2-Dichlorobenzene	U		0.000476	0.00560	1	04/17/2020 19:46	WG1462208
1,3-Dichlorobenzene	U		0.000672	0.00560	1	04/17/2020 19:46	WG1462208
1,4-Dichlorobenzene	U		0.000784	0.00560	1	04/17/2020 19:46	WG1462208
Dichlorodifluoromethane	U		0.00180	0.00280	1	04/17/2020 19:46	WG1462208
1,1-Dichloroethane	U		0.000550	0.00280	1	04/17/2020 19:46	WG1462208
1,2-Dichloroethane	U		0.000727	0.00280	1	04/17/2020 19:46	WG1462208
1,1-Dichloroethene	U		0.000679	0.00280	1	04/17/2020 19:46	WG1462208
cis-1,2-Dichloroethene	U		0.000822	0.00280	1	04/17/2020 19:46	WG1462208
trans-1,2-Dichloroethene	U		0.00116	0.00560	1	04/17/2020 19:46	WG1462208
1,2-Dichloropropane	U	J4	0.00159	0.00560	1	04/17/2020 19:46	WG1462208
1,1-Dichloropropene	U		0.000906	0.00280	1	04/17/2020 19:46	WG1462208
1,3-Dichloropropane	U		0.000561	0.00560	1	04/17/2020 19:46	WG1462208
cis-1,3-Dichloropropene	U		0.000848	0.00280	1	04/17/2020 19:46	WG1462208
trans-1,3-Dichloropropene	U		0.00128	0.00560	1	04/17/2020 19:46	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00208	0.00560	1	04/17/2020 19:46	WG1462208
2,2-Dichloropropane	U		0.00155	0.00280	1	04/17/2020 19:46	WG1462208
Di-isopropyl ether	U		0.000459	0.00112	1	04/17/2020 19:46	WG1462208
Ethylbenzene	U		0.000826	0.00280	1	04/17/2020 19:46	WG1462208
Hexachloro-1,3-butadiene	U		0.00672	0.0280	1	04/17/2020 19:46	WG1462208
2-Hexanone	U		0.00376	0.0280	1	04/17/2020 19:46	WG1462208
n-Hexane	U		0.00253	0.00560	1	04/17/2020 19:46	WG1462208
Iodomethane	U		0.00260	0.0140	1	04/17/2020 19:46	WG1462208
Isopropylbenzene	U		0.000476	0.00280	1	04/17/2020 19:46	WG1462208
p-Isopropyltoluene	U		0.00286	0.00560	1	04/17/2020 19:46	WG1462208
2-Butanone (MEK)	U		0.0711	0.112	1	04/17/2020 19:46	WG1462208
Methylene Chloride	U		0.00744	0.0280	1	04/17/2020 19:46	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00255	0.0280	1	04/17/2020 19:46	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000392	0.00112	1	04/17/2020 19:46	WG1462208
Naphthalene	U		0.00547	0.0140	1	04/17/2020 19:46	WG1462208
n-Propylbenzene	U		0.00106	0.00560	1	04/17/2020 19:46	WG1462208
Styrene	U		0.000257	0.0140	1	04/17/2020 19:46	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00106	0.00280	1	04/17/2020 19:46	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000778	0.00280	1	04/17/2020 19:46	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000845	0.00280	1	04/17/2020 19:46	WG1462208
Tetrachloroethene	U		0.00100	0.00280	1	04/17/2020 19:46	WG1462208
Toluene	0.00336	J	0.00146	0.00560	1	04/17/2020 19:46	WG1462208
1,2,3-Trichlorobenzene	U		0.00821	0.0140	1	04/17/2020 19:46	WG1462208
1,2,4-Trichlorobenzene	U		0.00493	0.0140	1	04/17/2020 19:46	WG1462208
1,1,1-Trichloroethane	U		0.00103	0.00280	1	04/17/2020 19:46	WG1462208
1,1,2-Trichloroethane	U		0.000669	0.00280	1	04/17/2020 19:46	WG1462208
Trichloroethene	U		0.000654	0.00112	1	04/17/2020 19:46	WG1462208
Trichlorofluoromethane	U		0.000926	0.00280	1	04/17/2020 19:46	WG1462208
1,2,3-Trichloropropane	U		0.00181	0.0140	1	04/17/2020 19:46	WG1462208
1,2,4-Trimethylbenzene	U		0.00177	0.00560	1	04/17/2020 19:46	WG1462208
1,2,3-Trimethylbenzene	U		0.00177	0.00560	1	04/17/2020 19:46	WG1462208
1,3,5-Trimethylbenzene	U		0.00224	0.00560	1	04/17/2020 19:46	WG1462208
Vinyl acetate	U		0.00285	0.0140	1	04/17/2020 19:46	WG1462208
Vinyl chloride	U		0.00130	0.00280	1	04/17/2020 19:46	WG1462208
Xylenes, Total	U		0.000986	0.00728	1	04/17/2020 19:46	WG1462208
(S) Toluene-d8	*106*			*75.0-131*		*04/17/2020 19:46*	WG1462208
(S) 4-Bromofluorobenzene	*96.0*			*67.0-138*		*04/17/2020 19:46*	WG1462208
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*		*04/17/2020 19:46*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.2		1	04/21/2020 13:09	WG1463618

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0392	0.0537	1	04/17/2020 20:04	WG1462208
Acrylonitrile	U		0.00388	0.0134	1	04/17/2020 20:04	WG1462208
Benzene	U		0.000501	0.00107	1	04/17/2020 20:04	WG1462208
Bromobenzene	U		0.000966	0.0134	1	04/17/2020 20:04	WG1462208
Bromodichloromethane	U		0.000778	0.00268	1	04/17/2020 20:04	WG1462208
Bromochloromethane	U		0.000605	0.00537	1	04/17/2020 20:04	WG1462208
Bromoform	U		0.00126	0.0268	1	04/17/2020 20:04	WG1462208
Bromomethane	U		0.00211	0.0134	1	04/17/2020 20:04	WG1462208
n-Butylbenzene	U		0.00564	0.0134	1	04/17/2020 20:04	WG1462208
sec-Butylbenzene	U		0.00309	0.0134	1	04/17/2020 20:04	WG1462208
tert-Butylbenzene	U		0.00209	0.00537	1	04/17/2020 20:04	WG1462208
Carbon disulfide	U		0.000751	0.0134	1	04/17/2020 20:04	WG1462208
Carbon tetrachloride	U		0.000964	0.00537	1	04/17/2020 20:04	WG1462208
Chlorobenzene	U		0.000225	0.00268	1	04/17/2020 20:04	WG1462208
Chlorodibromomethane	U		0.000657	0.00268	1	04/17/2020 20:04	WG1462208
Chloroethane	U		0.00183	0.00537	1	04/17/2020 20:04	WG1462208
Chloroform	U		0.00111	0.00268	1	04/17/2020 20:04	WG1462208
Chloromethane	U		0.00467	0.0134	1	04/17/2020 20:04	WG1462208
2-Chlorotoluene	U		0.000929	0.00268	1	04/17/2020 20:04	WG1462208
4-Chlorotoluene	U		0.000483	0.00537	1	04/17/2020 20:04	WG1462208
1,2-Dibromo-3-Chloropropane	U		0.00419	0.0268	1	04/17/2020 20:04	WG1462208
1,2-Dibromoethane	U		0.000696	0.00268	1	04/17/2020 20:04	WG1462208
Dibromomethane	U		0.000805	0.00537	1	04/17/2020 20:04	WG1462208
1,2-Dichlorobenzene	U		0.000456	0.00537	1	04/17/2020 20:04	WG1462208
1,3-Dichlorobenzene	U		0.000644	0.00537	1	04/17/2020 20:04	WG1462208
1,4-Dichlorobenzene	U		0.000751	0.00537	1	04/17/2020 20:04	WG1462208
Dichlorodifluoromethane	U		0.00173	0.00268	1	04/17/2020 20:04	WG1462208
1,1-Dichloroethane	U		0.000527	0.00268	1	04/17/2020 20:04	WG1462208
1,2-Dichloroethane	U		0.000697	0.00268	1	04/17/2020 20:04	WG1462208
1,1-Dichloroethene	U		0.000651	0.00268	1	04/17/2020 20:04	WG1462208
cis-1,2-Dichloroethene	U		0.000788	0.00268	1	04/17/2020 20:04	WG1462208
trans-1,2-Dichloroethene	U		0.00112	0.00537	1	04/17/2020 20:04	WG1462208
1,2-Dichloropropane	U	J4	0.00152	0.00537	1	04/17/2020 20:04	WG1462208
1,1-Dichloropropene	U		0.000868	0.00268	1	04/17/2020 20:04	WG1462208
1,3-Dichloropropane	U		0.000538	0.00537	1	04/17/2020 20:04	WG1462208
cis-1,3-Dichloropropene	U		0.000813	0.00268	1	04/17/2020 20:04	WG1462208
trans-1,3-Dichloropropene	U		0.00122	0.00537	1	04/17/2020 20:04	WG1462208
trans-1,4-Dichloro-2-butene	U		0.00200	0.00537	1	04/17/2020 20:04	WG1462208
2,2-Dichloropropane	U		0.00148	0.00268	1	04/17/2020 20:04	WG1462208
Di-isopropyl ether	U		0.000440	0.00107	1	04/17/2020 20:04	WG1462208
Ethylbenzene	U		0.000791	0.00268	1	04/17/2020 20:04	WG1462208
Hexachloro-1,3-butadiene	U		0.00644	0.0268	1	04/17/2020 20:04	WG1462208
2-Hexanone	U		0.00361	0.0268	1	04/17/2020 20:04	WG1462208
n-Hexane	U		0.00243	0.00537	1	04/17/2020 20:04	WG1462208
Iodomethane	U		0.00249	0.0134	1	04/17/2020 20:04	WG1462208
Isopropylbenzene	U		0.000456	0.00268	1	04/17/2020 20:04	WG1462208
p-Isopropyltoluene	U		0.00274	0.00537	1	04/17/2020 20:04	WG1462208
2-Butanone (MEK)	U		0.0682	0.107	1	04/17/2020 20:04	WG1462208
Methylene Chloride	U		0.00713	0.0268	1	04/17/2020 20:04	WG1462208
4-Methyl-2-pentanone (MIBK)	U		0.00245	0.0268	1	04/17/2020 20:04	WG1462208

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000376	0.00107	1	04/17/2020 20:04	WG1462208
Naphthalene	U		0.00524	0.0134	1	04/17/2020 20:04	WG1462208
n-Propylbenzene	U		0.00102	0.00537	1	04/17/2020 20:04	WG1462208
Styrene	U		0.000246	0.0134	1	04/17/2020 20:04	WG1462208
1,1,1,2-Tetrachloroethane	U		0.00102	0.00268	1	04/17/2020 20:04	WG1462208
1,1,2,2-Tetrachloroethane	U		0.000746	0.00268	1	04/17/2020 20:04	WG1462208
1,1,2-Trichlorotrifluoroethane	U		0.000809	0.00268	1	04/17/2020 20:04	WG1462208
Tetrachloroethene	U		0.000962	0.00268	1	04/17/2020 20:04	WG1462208
Toluene	U		0.00140	0.00537	1	04/17/2020 20:04	WG1462208
1,2,3-Trichlorobenzene	U		0.00787	0.0134	1	04/17/2020 20:04	WG1462208
1,2,4-Trichlorobenzene	U		0.00472	0.0134	1	04/17/2020 20:04	WG1462208
1,1,1-Trichloroethane	U		0.000991	0.00268	1	04/17/2020 20:04	WG1462208
1,1,2-Trichloroethane	U		0.000641	0.00268	1	04/17/2020 20:04	WG1462208
Trichloroethene	U		0.000627	0.00107	1	04/17/2020 20:04	WG1462208
Trichlorofluoromethane	U		0.000888	0.00268	1	04/17/2020 20:04	WG1462208
1,2,3-Trichloropropane	U		0.00174	0.0134	1	04/17/2020 20:04	WG1462208
1,2,4-Trimethylbenzene	U		0.00170	0.00537	1	04/17/2020 20:04	WG1462208
1,2,3-Trimethylbenzene	U		0.00170	0.00537	1	04/17/2020 20:04	WG1462208
1,3,5-Trimethylbenzene	U		0.00215	0.00537	1	04/17/2020 20:04	WG1462208
Vinyl acetate	U		0.00273	0.0134	1	04/17/2020 20:04	WG1462208
Vinyl chloride	U		0.00125	0.00268	1	04/17/2020 20:04	WG1462208
Xylenes, Total	U		0.000945	0.00698	1	04/17/2020 20:04	WG1462208
(S) Toluene-d8	*107*			*75.0-131*		*04/17/2020 20:04*	WG1462208
(S) 4-Bromofluorobenzene	*92.6*			*67.0-138*		*04/17/2020 20:04*	WG1462208
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*		*04/17/2020 20:04*	WG1462208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	04/21/2020 13:09	WG1463618

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0403	0.0552	1	04/17/2020 15:41	WG1462349
Acrylonitrile	U	J0	0.00398	0.0138	1	04/17/2020 15:41	WG1462349
Benzene	0.00125		0.000515	0.00110	1	04/17/2020 15:41	WG1462349
Bromobenzene	U		0.000993	0.0138	1	04/17/2020 15:41	WG1462349
Bromodichloromethane	U		0.000800	0.00276	1	04/17/2020 15:41	WG1462349
Bromochloromethane	U		0.000622	0.00552	1	04/17/2020 15:41	WG1462349
Bromoform	U		0.00129	0.0276	1	04/17/2020 15:41	WG1462349
Bromomethane	U		0.00217	0.0138	1	04/17/2020 15:41	WG1462349
n-Butylbenzene	U		0.00579	0.0138	1	04/17/2020 15:41	WG1462349
sec-Butylbenzene	U		0.00318	0.0138	1	04/17/2020 15:41	WG1462349
tert-Butylbenzene	U		0.00215	0.00552	1	04/17/2020 15:41	WG1462349
Carbon disulfide	0.00110	J	0.000772	0.0138	1	04/17/2020 15:41	WG1462349
Carbon tetrachloride	U		0.000991	0.00552	1	04/17/2020 15:41	WG1462349
Chlorobenzene	U		0.000232	0.00276	1	04/17/2020 15:41	WG1462349
Chlorodibromomethane	U		0.000675	0.00276	1	04/17/2020 15:41	WG1462349
Chloroethane	U		0.00188	0.00552	1	04/17/2020 15:41	WG1462349
Chloroform	U		0.00114	0.00276	1	04/17/2020 15:41	WG1462349
Chloromethane	U		0.00480	0.0138	1	04/17/2020 15:41	WG1462349
2-Chlorotoluene	U	J4	0.000954	0.00276	1	04/17/2020 15:41	WG1462349
4-Chlorotoluene	U		0.000496	0.00552	1	04/17/2020 15:41	WG1462349
1,2-Dibromo-3-Chloropropane	U	J0	0.00430	0.0276	1	04/17/2020 15:41	WG1462349
1,2-Dibromoethane	U		0.000715	0.00276	1	04/17/2020 15:41	WG1462349
Dibromomethane	U		0.000827	0.00552	1	04/17/2020 15:41	WG1462349
1,2-Dichlorobenzene	U		0.000469	0.00552	1	04/17/2020 15:41	WG1462349
1,3-Dichlorobenzene	U		0.000662	0.00552	1	04/17/2020 15:41	WG1462349
1,4-Dichlorobenzene	U	J4	0.000772	0.00552	1	04/17/2020 15:41	WG1462349
Dichlorodifluoromethane	U		0.00178	0.00276	1	04/17/2020 15:41	WG1462349
1,1-Dichloroethane	U		0.000542	0.00276	1	04/17/2020 15:41	WG1462349
1,2-Dichloroethane	U		0.000716	0.00276	1	04/17/2020 15:41	WG1462349
1,1-Dichloroethene	U		0.000669	0.00276	1	04/17/2020 15:41	WG1462349
cis-1,2-Dichloroethene	U		0.000810	0.00276	1	04/17/2020 15:41	WG1462349
trans-1,2-Dichloroethene	U		0.00115	0.00552	1	04/17/2020 15:41	WG1462349
1,2-Dichloropropane	U		0.00157	0.00552	1	04/17/2020 15:41	WG1462349
1,1-Dichloropropene	U		0.000892	0.00276	1	04/17/2020 15:41	WG1462349
1,3-Dichloropropane	U		0.000553	0.00552	1	04/17/2020 15:41	WG1462349
cis-1,3-Dichloropropene	U		0.000835	0.00276	1	04/17/2020 15:41	WG1462349
trans-1,3-Dichloropropene	U		0.00126	0.00552	1	04/17/2020 15:41	WG1462349
trans-1,4-Dichloro-2-butene	U		0.00205	0.00552	1	04/17/2020 15:41	WG1462349
2,2-Dichloropropane	U		0.00152	0.00276	1	04/17/2020 15:41	WG1462349
Di-isopropyl ether	U		0.000452	0.00110	1	04/17/2020 15:41	WG1462349
Ethylbenzene	0.00103	J	0.000813	0.00276	1	04/17/2020 15:41	WG1462349
Hexachloro-1,3-butadiene	U		0.00662	0.0276	1	04/17/2020 15:41	WG1462349
2-Hexanone	U		0.00371	0.0276	1	04/17/2020 15:41	WG1462349
n-Hexane	U		0.00249	0.00552	1	04/17/2020 15:41	WG1462349
Iodomethane	U		0.00256	0.0138	1	04/17/2020 15:41	WG1462349
Isopropylbenzene	U		0.000469	0.00276	1	04/17/2020 15:41	WG1462349
p-Isopropyltoluene	U		0.00281	0.00552	1	04/17/2020 15:41	WG1462349
2-Butanone (MEK)	U	J0	0.0701	0.110	1	04/17/2020 15:41	WG1462349
Methylene Chloride	U		0.00732	0.0276	1	04/17/2020 15:41	WG1462349
4-Methyl-2-pentanone (MIBK)	U		0.00252	0.0276	1	04/17/2020 15:41	WG1462349

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000386	0.00110	1	04/17/2020 15:41	WG1462349
Naphthalene	U	J0	0.00538	0.0138	1	04/17/2020 15:41	WG1462349
n-Propylbenzene	U		0.00105	0.00552	1	04/17/2020 15:41	WG1462349
Styrene	U		0.000253	0.0138	1	04/17/2020 15:41	WG1462349
1,1,1,2-Tetrachloroethane	U		0.00105	0.00276	1	04/17/2020 15:41	WG1462349
1,1,2,2-Tetrachloroethane	U		0.000767	0.00276	1	04/17/2020 15:41	WG1462349
1,1,2-Trichlorotrifluoroethane	U		0.000832	0.00276	1	04/17/2020 15:41	WG1462349
Tetrachloroethene	U		0.000988	0.00276	1	04/17/2020 15:41	WG1462349
Toluene	0.00314	J	0.00143	0.00552	1	04/17/2020 15:41	WG1462349
1,2,3-Trichlorobenzene	U	J0	0.00809	0.0138	1	04/17/2020 15:41	WG1462349
1,2,4-Trichlorobenzene	U	J0	0.00485	0.0138	1	04/17/2020 15:41	WG1462349
1,1,1-Trichloroethane	U		0.00102	0.00276	1	04/17/2020 15:41	WG1462349
1,1,2-Trichloroethane	U		0.000659	0.00276	1	04/17/2020 15:41	WG1462349
Trichloroethene	U		0.000644	0.00110	1	04/17/2020 15:41	WG1462349
Trichlorofluoromethane	U		0.000912	0.00276	1	04/17/2020 15:41	WG1462349
1,2,3-Trichloropropane	U		0.00179	0.0138	1	04/17/2020 15:41	WG1462349
1,2,4-Trimethylbenzene	U		0.00174	0.00552	1	04/17/2020 15:41	WG1462349
1,2,3-Trimethylbenzene	U		0.00174	0.00552	1	04/17/2020 15:41	WG1462349
1,3,5-Trimethylbenzene	U		0.00221	0.00552	1	04/17/2020 15:41	WG1462349
Vinyl acetate	U		0.00280	0.0138	1	04/17/2020 15:41	WG1462349
Vinyl chloride	U		0.00128	0.00276	1	04/17/2020 15:41	WG1462349
Xylenes, Total	0.00169	J	0.000971	0.00717	1	04/17/2020 15:41	WG1462349
(S) Toluene-d8	*101*			*75.0-131*		*04/17/2020 15:41*	WG1462349
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*04/17/2020 15:41*	WG1462349
(S) 1,2-Dichloroethane-d4	*84.7*			*70.0-130*		*04/17/2020 15:41*	WG1462349

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.3		1	04/21/2020 13:09	WG1463618

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0391	0.0536	1	04/17/2020 16:00	WG1462349
Acrylonitrile	U	J0	0.00387	0.0134	1	04/17/2020 16:00	WG1462349
Benzene	0.00459		0.000501	0.00107	1	04/17/2020 16:00	WG1462349
Bromobenzene	U		0.000965	0.0134	1	04/17/2020 16:00	WG1462349
Bromodichloromethane	U		0.000777	0.00268	1	04/17/2020 16:00	WG1462349
Bromochloromethane	U		0.000605	0.00536	1	04/17/2020 16:00	WG1462349
Bromoform	U		0.00125	0.0268	1	04/17/2020 16:00	WG1462349
Bromomethane	U		0.00211	0.0134	1	04/17/2020 16:00	WG1462349
n-Butylbenzene	U		0.00563	0.0134	1	04/17/2020 16:00	WG1462349
sec-Butylbenzene	U		0.00309	0.0134	1	04/17/2020 16:00	WG1462349
tert-Butylbenzene	U		0.00209	0.00536	1	04/17/2020 16:00	WG1462349
Carbon disulfide	U		0.000750	0.0134	1	04/17/2020 16:00	WG1462349
Carbon tetrachloride	U		0.000963	0.00536	1	04/17/2020 16:00	WG1462349
Chlorobenzene	U		0.000225	0.00268	1	04/17/2020 16:00	WG1462349
Chlorodibromomethane	U		0.000656	0.00268	1	04/17/2020 16:00	WG1462349
Chloroethane	U		0.00182	0.00536	1	04/17/2020 16:00	WG1462349
Chloroform	U		0.00110	0.00268	1	04/17/2020 16:00	WG1462349
Chloromethane	U		0.00466	0.0134	1	04/17/2020 16:00	WG1462349
2-Chlorotoluene	U	J4	0.000927	0.00268	1	04/17/2020 16:00	WG1462349
4-Chlorotoluene	U		0.000482	0.00536	1	04/17/2020 16:00	WG1462349
1,2-Dibromo-3-Chloropropane	U	J0	0.00418	0.0268	1	04/17/2020 16:00	WG1462349
1,2-Dibromoethane	U		0.000695	0.00268	1	04/17/2020 16:00	WG1462349
Dibromomethane	U		0.000804	0.00536	1	04/17/2020 16:00	WG1462349
1,2-Dichlorobenzene	U		0.000456	0.00536	1	04/17/2020 16:00	WG1462349
1,3-Dichlorobenzene	U		0.000643	0.00536	1	04/17/2020 16:00	WG1462349
1,4-Dichlorobenzene	U	J4	0.000750	0.00536	1	04/17/2020 16:00	WG1462349
Dichlorodifluoromethane	U		0.00173	0.00268	1	04/17/2020 16:00	WG1462349
1,1-Dichloroethane	U		0.000526	0.00268	1	04/17/2020 16:00	WG1462349
1,2-Dichloroethane	U		0.000696	0.00268	1	04/17/2020 16:00	WG1462349
1,1-Dichloroethene	U		0.000650	0.00268	1	04/17/2020 16:00	WG1462349
cis-1,2-Dichloroethene	U		0.000787	0.00268	1	04/17/2020 16:00	WG1462349
trans-1,2-Dichloroethene	U		0.00112	0.00536	1	04/17/2020 16:00	WG1462349
1,2-Dichloropropane	U		0.00152	0.00536	1	04/17/2020 16:00	WG1462349
1,1-Dichloropropene	U		0.000867	0.00268	1	04/17/2020 16:00	WG1462349
1,3-Dichloropropane	U		0.000537	0.00536	1	04/17/2020 16:00	WG1462349
cis-1,3-Dichloropropene	U		0.000812	0.00268	1	04/17/2020 16:00	WG1462349
trans-1,3-Dichloropropene	U		0.00122	0.00536	1	04/17/2020 16:00	WG1462349
trans-1,4-Dichloro-2-butene	U		0.00199	0.00536	1	04/17/2020 16:00	WG1462349
2,2-Dichloropropane	U		0.00148	0.00268	1	04/17/2020 16:00	WG1462349
Di-isopropyl ether	U		0.000440	0.00107	1	04/17/2020 16:00	WG1462349
Ethylbenzene	0.00253	J	0.000790	0.00268	1	04/17/2020 16:00	WG1462349
Hexachloro-1,3-butadiene	U		0.00643	0.0268	1	04/17/2020 16:00	WG1462349
2-Hexanone	U		0.00360	0.0268	1	04/17/2020 16:00	WG1462349
n-Hexane	0.0163		0.00242	0.00536	1	04/17/2020 16:00	WG1462349
Iodomethane	U		0.00249	0.0134	1	04/17/2020 16:00	WG1462349
Isopropylbenzene	U		0.000456	0.00268	1	04/17/2020 16:00	WG1462349
p-Isopropyltoluene	U		0.00273	0.00536	1	04/17/2020 16:00	WG1462349
2-Butanone (MEK)	U	J0	0.0681	0.107	1	04/17/2020 16:00	WG1462349
Methylene Chloride	U		0.00712	0.0268	1	04/17/2020 16:00	WG1462349
4-Methyl-2-pentanone (MIBK)	U		0.00244	0.0268	1	04/17/2020 16:00	WG1462349

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000375	0.00107	1	04/17/2020 16:00	WG1462349
Naphthalene	U	J0	0.00523	0.0134	1	04/17/2020 16:00	WG1462349
n-Propylbenzene	0.00106	J	0.00102	0.00536	1	04/17/2020 16:00	WG1462349
Styrene	0.000289	J	0.000246	0.0134	1	04/17/2020 16:00	WG1462349
1,1,1,2-Tetrachloroethane	U		0.00102	0.00268	1	04/17/2020 16:00	WG1462349
1,1,2,2-Tetrachloroethane	U		0.000745	0.00268	1	04/17/2020 16:00	WG1462349
1,1,2-Trichlorotrifluoroethane	U		0.000808	0.00268	1	04/17/2020 16:00	WG1462349
Tetrachloroethene	U		0.000961	0.00268	1	04/17/2020 16:00	WG1462349
Toluene	0.00864		0.00139	0.00536	1	04/17/2020 16:00	WG1462349
1,2,3-Trichlorobenzene	U	J0	0.00786	0.0134	1	04/17/2020 16:00	WG1462349
1,2,4-Trichlorobenzene	U	J0	0.00472	0.0134	1	04/17/2020 16:00	WG1462349
1,1,1-Trichloroethane	U		0.000990	0.00268	1	04/17/2020 16:00	WG1462349
1,1,2-Trichloroethane	U		0.000640	0.00268	1	04/17/2020 16:00	WG1462349
Trichloroethene	U		0.000626	0.00107	1	04/17/2020 16:00	WG1462349
Trichlorofluoromethane	U		0.000887	0.00268	1	04/17/2020 16:00	WG1462349
1,2,3-Trichloropropane	U		0.00174	0.0134	1	04/17/2020 16:00	WG1462349
1,2,4-Trimethylbenzene	0.00309	J	0.00169	0.00536	1	04/17/2020 16:00	WG1462349
1,2,3-Trimethylbenzene	U		0.00169	0.00536	1	04/17/2020 16:00	WG1462349
1,3,5-Trimethylbenzene	U		0.00214	0.00536	1	04/17/2020 16:00	WG1462349
Vinyl acetate	U		0.00272	0.0134	1	04/17/2020 16:00	WG1462349
Vinyl chloride	U		0.00124	0.00268	1	04/17/2020 16:00	WG1462349
Xylenes, Total	0.00681	J	0.000943	0.00697	1	04/17/2020 16:00	WG1462349
(S) Toluene-d8	*99.8*			*75.0-131*		*04/17/2020 16:00*	WG1462349
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*04/17/2020 16:00*	WG1462349
(S) 1,2-Dichloroethane-d4	*86.3*			*70.0-130*		*04/17/2020 16:00*	WG1462349

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	04/21/2020 13:09	WG1463618

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0405	0.0554	1	04/17/2020 16:19	WG1462349
Acrylonitrile	U	J0	0.00400	0.0139	1	04/17/2020 16:19	WG1462349
Benzene	0.00360		0.000518	0.00111	1	04/17/2020 16:19	WG1462349
Bromobenzene	U		0.000998	0.0139	1	04/17/2020 16:19	WG1462349
Bromodichloromethane	U		0.000804	0.00277	1	04/17/2020 16:19	WG1462349
Bromochloromethane	U		0.000625	0.00554	1	04/17/2020 16:19	WG1462349
Bromoform	U		0.00130	0.0277	1	04/17/2020 16:19	WG1462349
Bromomethane	U		0.00218	0.0139	1	04/17/2020 16:19	WG1462349
n-Butylbenzene	U		0.00582	0.0139	1	04/17/2020 16:19	WG1462349
sec-Butylbenzene	U		0.00319	0.0139	1	04/17/2020 16:19	WG1462349
tert-Butylbenzene	U		0.00216	0.00554	1	04/17/2020 16:19	WG1462349
Carbon disulfide	U		0.000776	0.0139	1	04/17/2020 16:19	WG1462349
Carbon tetrachloride	U		0.000995	0.00554	1	04/17/2020 16:19	WG1462349
Chlorobenzene	U		0.000233	0.00277	1	04/17/2020 16:19	WG1462349
Chlorodibromomethane	U		0.000678	0.00277	1	04/17/2020 16:19	WG1462349
Chloroethane	U		0.00188	0.00554	1	04/17/2020 16:19	WG1462349
Chloroform	U		0.00114	0.00277	1	04/17/2020 16:19	WG1462349
Chloromethane	U		0.00482	0.0139	1	04/17/2020 16:19	WG1462349
2-Chlorotoluene	U	J4	0.000959	0.00277	1	04/17/2020 16:19	WG1462349
4-Chlorotoluene	U		0.000499	0.00554	1	04/17/2020 16:19	WG1462349
1,2-Dibromo-3-Chloropropane	U	J0	0.00432	0.0277	1	04/17/2020 16:19	WG1462349
1,2-Dibromoethane	U		0.000718	0.00277	1	04/17/2020 16:19	WG1462349
Dibromomethane	U		0.000831	0.00554	1	04/17/2020 16:19	WG1462349
1,2-Dichlorobenzene	U		0.000471	0.00554	1	04/17/2020 16:19	WG1462349
1,3-Dichlorobenzene	U		0.000665	0.00554	1	04/17/2020 16:19	WG1462349
1,4-Dichlorobenzene	U	J4	0.000776	0.00554	1	04/17/2020 16:19	WG1462349
Dichlorodifluoromethane	U		0.00178	0.00277	1	04/17/2020 16:19	WG1462349
1,1-Dichloroethane	U		0.000544	0.00277	1	04/17/2020 16:19	WG1462349
1,2-Dichloroethane	U		0.000719	0.00277	1	04/17/2020 16:19	WG1462349
1,1-Dichloroethene	U		0.000672	0.00277	1	04/17/2020 16:19	WG1462349
cis-1,2-Dichloroethene	U		0.000814	0.00277	1	04/17/2020 16:19	WG1462349
trans-1,2-Dichloroethene	U		0.00115	0.00554	1	04/17/2020 16:19	WG1462349
1,2-Dichloropropane	U		0.00157	0.00554	1	04/17/2020 16:19	WG1462349
1,1-Dichloropropene	U		0.000897	0.00277	1	04/17/2020 16:19	WG1462349
1,3-Dichloropropane	U		0.000555	0.00554	1	04/17/2020 16:19	WG1462349
cis-1,3-Dichloropropene	U		0.000839	0.00277	1	04/17/2020 16:19	WG1462349
trans-1,3-Dichloropropene	U		0.00126	0.00554	1	04/17/2020 16:19	WG1462349
trans-1,4-Dichloro-2-butene	U		0.00206	0.00554	1	04/17/2020 16:19	WG1462349
2,2-Dichloropropane	U		0.00153	0.00277	1	04/17/2020 16:19	WG1462349
Di-isopropyl ether	U		0.000454	0.00111	1	04/17/2020 16:19	WG1462349
Ethylbenzene	0.00173	J	0.000817	0.00277	1	04/17/2020 16:19	WG1462349
Hexachloro-1,3-butadiene	U		0.00665	0.0277	1	04/17/2020 16:19	WG1462349
2-Hexanone	U		0.00372	0.0277	1	04/17/2020 16:19	WG1462349
n-Hexane	0.00787		0.00251	0.00554	1	04/17/2020 16:19	WG1462349
Iodomethane	U		0.00257	0.0139	1	04/17/2020 16:19	WG1462349
Isopropylbenzene	U		0.000471	0.00277	1	04/17/2020 16:19	WG1462349
p-Isopropyltoluene	U		0.00283	0.00554	1	04/17/2020 16:19	WG1462349
2-Butanone (MEK)	U	J0	0.0704	0.111	1	04/17/2020 16:19	WG1462349
Methylene Chloride	U		0.00736	0.0277	1	04/17/2020 16:19	WG1462349
4-Methyl-2-pentanone (MIBK)	U		0.00253	0.0277	1	04/17/2020 16:19	WG1462349

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000388	0.00111	1	04/17/2020 16:19	WG1462349
Naphthalene	U	J0	0.00541	0.0139	1	04/17/2020 16:19	WG1462349
n-Propylbenzene	U		0.00105	0.00554	1	04/17/2020 16:19	WG1462349
Styrene	U		0.000254	0.0139	1	04/17/2020 16:19	WG1462349
1,1,1,2-Tetrachloroethane	U		0.00105	0.00277	1	04/17/2020 16:19	WG1462349
1,1,2,2-Tetrachloroethane	U		0.000770	0.00277	1	04/17/2020 16:19	WG1462349
1,1,2-Trichlorotrifluoroethane	U		0.000836	0.00277	1	04/17/2020 16:19	WG1462349
Tetrachloroethene	U		0.000993	0.00277	1	04/17/2020 16:19	WG1462349
Toluene	0.00672		0.00144	0.00554	1	04/17/2020 16:19	WG1462349
1,2,3-Trichlorobenzene	U	J0	0.00813	0.0139	1	04/17/2020 16:19	WG1462349
1,2,4-Trichlorobenzene	U	J0	0.00488	0.0139	1	04/17/2020 16:19	WG1462349
1,1,1-Trichloroethane	U		0.00102	0.00277	1	04/17/2020 16:19	WG1462349
1,1,2-Trichloroethane	U		0.000662	0.00277	1	04/17/2020 16:19	WG1462349
Trichloroethene	U		0.000647	0.00111	1	04/17/2020 16:19	WG1462349
Trichlorofluoromethane	U		0.000917	0.00277	1	04/17/2020 16:19	WG1462349
1,2,3-Trichloropropane	U		0.00180	0.0139	1	04/17/2020 16:19	WG1462349
1,2,4-Trimethylbenzene	0.00182	J	0.00175	0.00554	1	04/17/2020 16:19	WG1462349
1,2,3-Trimethylbenzene	U		0.00175	0.00554	1	04/17/2020 16:19	WG1462349
1,3,5-Trimethylbenzene	U		0.00222	0.00554	1	04/17/2020 16:19	WG1462349
Vinyl acetate	U		0.00282	0.0139	1	04/17/2020 16:19	WG1462349
Vinyl chloride	U		0.00129	0.00277	1	04/17/2020 16:19	WG1462349
Xylenes, Total	0.00550	J	0.000975	0.00721	1	04/17/2020 16:19	WG1462349
(S) Toluene-d8	*101*			*75.0-131*		*04/17/2020 16:19*	WG1462349
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*04/17/2020 16:19*	WG1462349
(S) 1,2-Dichloroethane-d4	*88.1*			*70.0-130*		*04/17/2020 16:19*	WG1462349

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	04/21/2020 13:09	WG1463618

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0399	0.0546	1	04/17/2020 16:38	WG1462349
Acrylonitrile	U	J0	0.00394	0.0136	1	04/17/2020 16:38	WG1462349
Benzene	0.00202		0.000510	0.00109	1	04/17/2020 16:38	WG1462349
Bromobenzene	U		0.000983	0.0136	1	04/17/2020 16:38	WG1462349
Bromodichloromethane	U		0.000792	0.00273	1	04/17/2020 16:38	WG1462349
Bromochloromethane	U		0.000616	0.00546	1	04/17/2020 16:38	WG1462349
Bromoform	U		0.00128	0.0273	1	04/17/2020 16:38	WG1462349
Bromomethane	U		0.00215	0.0136	1	04/17/2020 16:38	WG1462349
n-Butylbenzene	U		0.00573	0.0136	1	04/17/2020 16:38	WG1462349
sec-Butylbenzene	U		0.00314	0.0136	1	04/17/2020 16:38	WG1462349
tert-Butylbenzene	U		0.00213	0.00546	1	04/17/2020 16:38	WG1462349
Carbon disulfide	U		0.000764	0.0136	1	04/17/2020 16:38	WG1462349
Carbon tetrachloride	U		0.000981	0.00546	1	04/17/2020 16:38	WG1462349
Chlorobenzene	U		0.000229	0.00273	1	04/17/2020 16:38	WG1462349
Chlorodibromomethane	U		0.000668	0.00273	1	04/17/2020 16:38	WG1462349
Chloroethane	U		0.00186	0.00546	1	04/17/2020 16:38	WG1462349
Chloroform	U		0.00112	0.00273	1	04/17/2020 16:38	WG1462349
Chloromethane	U		0.00475	0.0136	1	04/17/2020 16:38	WG1462349
2-Chlorotoluene	U	J4	0.000945	0.00273	1	04/17/2020 16:38	WG1462349
4-Chlorotoluene	U		0.000491	0.00546	1	04/17/2020 16:38	WG1462349
1,2-Dibromo-3-Chloropropane	U	J0	0.00426	0.0273	1	04/17/2020 16:38	WG1462349
1,2-Dibromoethane	U		0.000708	0.00273	1	04/17/2020 16:38	WG1462349
Dibromomethane	U		0.000819	0.00546	1	04/17/2020 16:38	WG1462349
1,2-Dichlorobenzene	U		0.000464	0.00546	1	04/17/2020 16:38	WG1462349
1,3-Dichlorobenzene	U		0.000655	0.00546	1	04/17/2020 16:38	WG1462349
1,4-Dichlorobenzene	U	J4	0.000764	0.00546	1	04/17/2020 16:38	WG1462349
Dichlorodifluoromethane	U		0.00176	0.00273	1	04/17/2020 16:38	WG1462349
1,1-Dichloroethane	U		0.000536	0.00273	1	04/17/2020 16:38	WG1462349
1,2-Dichloroethane	U		0.000709	0.00273	1	04/17/2020 16:38	WG1462349
1,1-Dichloroethene	U		0.000662	0.00273	1	04/17/2020 16:38	WG1462349
cis-1,2-Dichloroethene	U		0.000802	0.00273	1	04/17/2020 16:38	WG1462349
trans-1,2-Dichloroethene	U		0.00114	0.00546	1	04/17/2020 16:38	WG1462349
1,2-Dichloropropane	U		0.00155	0.00546	1	04/17/2020 16:38	WG1462349
1,1-Dichloropropene	U		0.000883	0.00273	1	04/17/2020 16:38	WG1462349
1,3-Dichloropropane	U		0.000547	0.00546	1	04/17/2020 16:38	WG1462349
cis-1,3-Dichloropropene	U		0.000827	0.00273	1	04/17/2020 16:38	WG1462349
trans-1,3-Dichloropropene	U		0.00124	0.00546	1	04/17/2020 16:38	WG1462349
trans-1,4-Dichloro-2-butene	U		0.00203	0.00546	1	04/17/2020 16:38	WG1462349
2,2-Dichloropropane	U		0.00151	0.00273	1	04/17/2020 16:38	WG1462349
Di-isopropyl ether	U		0.000448	0.00109	1	04/17/2020 16:38	WG1462349
Ethylbenzene	U		0.000805	0.00273	1	04/17/2020 16:38	WG1462349
Hexachloro-1,3-butadiene	U		0.00655	0.0273	1	04/17/2020 16:38	WG1462349
2-Hexanone	U		0.00367	0.0273	1	04/17/2020 16:38	WG1462349
n-Hexane	0.00452	J	0.00247	0.00546	1	04/17/2020 16:38	WG1462349
Iodomethane	U		0.00253	0.0136	1	04/17/2020 16:38	WG1462349
Isopropylbenzene	U		0.000464	0.00273	1	04/17/2020 16:38	WG1462349
p-Isopropyltoluene	U		0.00278	0.00546	1	04/17/2020 16:38	WG1462349
2-Butanone (MEK)	U	J0	0.0693	0.109	1	04/17/2020 16:38	WG1462349
Methylene Chloride	U		0.00725	0.0273	1	04/17/2020 16:38	WG1462349
4-Methyl-2-pentanone (MIBK)	U		0.00249	0.0273	1	04/17/2020 16:38	WG1462349

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000382	0.00109	1	04/17/2020 16:38	WG1462349
Naphthalene	U	J0	0.00533	0.0136	1	04/17/2020 16:38	WG1462349
n-Propylbenzene	U		0.00104	0.00546	1	04/17/2020 16:38	WG1462349
Styrene	U		0.000250	0.0136	1	04/17/2020 16:38	WG1462349
1,1,1,2-Tetrachloroethane	U		0.00104	0.00273	1	04/17/2020 16:38	WG1462349
1,1,2,2-Tetrachloroethane	U		0.000759	0.00273	1	04/17/2020 16:38	WG1462349
1,1,2-Trichlorotrifluoroethane	U		0.000823	0.00273	1	04/17/2020 16:38	WG1462349
Tetrachloroethene	U		0.000978	0.00273	1	04/17/2020 16:38	WG1462349
Toluene	0.00442	J	0.00142	0.00546	1	04/17/2020 16:38	WG1462349
1,2,3-Trichlorobenzene	U	J0	0.00800	0.0136	1	04/17/2020 16:38	WG1462349
1,2,4-Trichlorobenzene	U	J0	0.00480	0.0136	1	04/17/2020 16:38	WG1462349
1,1,1-Trichloroethane	U		0.00101	0.00273	1	04/17/2020 16:38	WG1462349
1,1,2-Trichloroethane	U		0.000652	0.00273	1	04/17/2020 16:38	WG1462349
Trichloroethene	U		0.000638	0.00109	1	04/17/2020 16:38	WG1462349
Trichlorofluoromethane	U		0.000903	0.00273	1	04/17/2020 16:38	WG1462349
1,2,3-Trichloropropane	U		0.00177	0.0136	1	04/17/2020 16:38	WG1462349
1,2,4-Trimethylbenzene	U		0.00173	0.00546	1	04/17/2020 16:38	WG1462349
1,2,3-Trimethylbenzene	U		0.00173	0.00546	1	04/17/2020 16:38	WG1462349
1,3,5-Trimethylbenzene	U		0.00218	0.00546	1	04/17/2020 16:38	WG1462349
Vinyl acetate	U		0.00277	0.0136	1	04/17/2020 16:38	WG1462349
Vinyl chloride	U		0.00127	0.00273	1	04/17/2020 16:38	WG1462349
Xylenes, Total	0.00297	J	0.000961	0.00710	1	04/17/2020 16:38	WG1462349
(S) Toluene-d8	*101*			*75.0-131*		*04/17/2020 16:38*	WG1462349
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*04/17/2020 16:38*	WG1462349
(S) 1,2-Dichloroethane-d4	*87.6*			*70.0-130*		*04/17/2020 16:38*	WG1462349

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	04/16/2020 21:00	WG1461987
Acrylonitrile	U		0.671	5.00	1	04/16/2020 21:00	WG1461987
Benzene	U		0.0941	0.500	1	04/16/2020 21:00	WG1461987
Bromobenzene	U		0.118	0.500	1	04/16/2020 21:00	WG1461987
Bromodichloromethane	U		0.136	0.500	1	04/16/2020 21:00	WG1461987
Bromochloromethane	U		0.128	0.500	1	04/16/2020 21:00	WG1461987
Bromoform	U		0.129	0.500	1	04/16/2020 21:00	WG1461987
Bromomethane	U		0.605	2.50	1	04/16/2020 21:00	WG1461987
n-Butylbenzene	U		0.157	0.500	1	04/16/2020 21:00	WG1461987
sec-Butylbenzene	U		0.125	0.500	1	04/16/2020 21:00	WG1461987
tert-Butylbenzene	U		0.127	0.500	1	04/16/2020 21:00	WG1461987
Carbon disulfide	U		0.0962	0.500	1	04/16/2020 21:00	WG1461987
Carbon tetrachloride	U		0.128	0.500	1	04/16/2020 21:00	WG1461987
Chlorobenzene	U		0.117	0.500	1	04/16/2020 21:00	WG1461987
Chlorodibromomethane	U		0.140	0.500	1	04/16/2020 21:00	WG1461987
Chloroethane	U		0.192	2.50	1	04/16/2020 21:00	WG1461987
Chloroform	U		0.111	0.500	1	04/16/2020 21:00	WG1461987
Chloromethane	U		0.960	1.25	1	04/16/2020 21:00	WG1461987
2-Chlorotoluene	U		0.106	0.500	1	04/16/2020 21:00	WG1461987
4-Chlorotoluene	U		0.114	0.500	1	04/16/2020 21:00	WG1461987
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/16/2020 21:00	WG1461987
1,2-Dibromoethane	U		0.126	0.500	1	04/16/2020 21:00	WG1461987
Dibromomethane	U		0.122	0.500	1	04/16/2020 21:00	WG1461987
1,2-Dichlorobenzene	U		0.107	0.500	1	04/16/2020 21:00	WG1461987
1,3-Dichlorobenzene	U		0.299	0.500	1	04/16/2020 21:00	WG1461987
1,4-Dichlorobenzene	U		0.120	0.500	1	04/16/2020 21:00	WG1461987
Dichlorodifluoromethane	U		0.374	2.50	1	04/16/2020 21:00	WG1461987
1,1-Dichloroethane	U		0.100	0.500	1	04/16/2020 21:00	WG1461987
1,2-Dichloroethane	U		0.0819	0.500	1	04/16/2020 21:00	WG1461987
1,1-Dichloroethene	U		0.188	0.500	1	04/16/2020 21:00	WG1461987
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/16/2020 21:00	WG1461987
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/16/2020 21:00	WG1461987
1,2-Dichloropropane	U		0.149	0.500	1	04/16/2020 21:00	WG1461987
1,1-Dichloropropene	U		0.142	0.500	1	04/16/2020 21:00	WG1461987
1,3-Dichloropropane	U		0.109	1.00	1	04/16/2020 21:00	WG1461987
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/16/2020 21:00	WG1461987
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/16/2020 21:00	WG1461987
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/16/2020 21:00	WG1461987
2,2-Dichloropropane	U		0.161	0.500	1	04/16/2020 21:00	WG1461987
Di-isopropyl ether	U		0.105	0.500	1	04/16/2020 21:00	WG1461987
Ethylbenzene	U		0.137	0.500	1	04/16/2020 21:00	WG1461987
Hexachloro-1,3-butadiene	U	J0 J3	0.337	1.00	1	04/16/2020 21:00	WG1461987
2-Hexanone	U		0.787	5.00	1	04/16/2020 21:00	WG1461987
n-Hexane	U		0.749	5.00	1	04/16/2020 21:00	WG1461987
Iodomethane	U		6.00	10.0	1	04/16/2020 21:00	WG1461987
Isopropylbenzene	U		0.105	0.500	1	04/16/2020 21:00	WG1461987
p-Isopropyltoluene	U		0.120	0.500	1	04/16/2020 21:00	WG1461987
2-Butanone (MEK)	U		1.19	5.00	1	04/16/2020 21:00	WG1461987
Methylene Chloride	U		0.430	2.50	1	04/16/2020 21:00	WG1461987
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/16/2020 21:00	WG1461987
Methyl tert-butyl ether	U		0.101	0.500	1	04/16/2020 21:00	WG1461987
Naphthalene	U	J0 J3	0.174	2.50	1	04/16/2020 21:00	WG1461987
n-Propylbenzene	U		0.0993	0.500	1	04/16/2020 21:00	WG1461987
Styrene	U		0.118	0.500	1	04/16/2020 21:00	WG1461987
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/16/2020 21:00	WG1461987
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/16/2020 21:00	WG1461987

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/16/2020 21:00	WG1461987
Tetrachloroethene	U		0.300	0.500	1	04/16/2020 21:00	WG1461987
Toluene	U		0.278	0.500	1	04/16/2020 21:00	WG1461987
1,2,3-Trichlorobenzene	U	J0 J3	0.164	0.500	1	04/16/2020 21:00	WG1461987
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/17/2020 18:16	WG1462361
1,1,1-Trichloroethane	U		0.149	0.500	1	04/16/2020 21:00	WG1461987
1,1,2-Trichloroethane	U		0.158	0.500	1	04/16/2020 21:00	WG1461987
Trichloroethene	U		0.190	0.500	1	04/16/2020 21:00	WG1461987
Trichlorofluoromethane	U		0.160	2.50	1	04/16/2020 21:00	WG1461987
1,2,3-Trichloropropane	U		0.237	2.50	1	04/16/2020 21:00	WG1461987
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/16/2020 21:00	WG1461987
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/16/2020 21:00	WG1461987
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/16/2020 21:00	WG1461987
Vinyl acetate	U		0.692	5.00	1	04/16/2020 21:00	WG1461987
Vinyl chloride	U		0.234	0.500	1	04/16/2020 21:00	WG1461987
Xylenes, Total	U		0.174	1.50	1	04/16/2020 21:00	WG1461987
(S) Toluene-d8	*109*			*80.0-120*		*04/16/2020 21:00*	WG1461987
(S) Toluene-d8	*94.6*			*80.0-120*		*04/17/2020 18:16*	WG1462361
(S) 4-Bromofluorobenzene	*92.3*			*77.0-126*		*04/16/2020 21:00*	WG1461987
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*04/17/2020 18:16*	WG1462361
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*04/16/2020 21:00*	WG1461987
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*04/17/2020 18:16*	WG1462361

Method Blank (MB)

(MB) R3520720-1 04/21/20 13:29

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1209077-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1209077-07 04/21/20 13:29 • (DUP) R3520720-3 04/21/20 13:29

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	75.9	75.9	1	0.104		10

Laboratory Control Sample (LCS)

(LCS) R3520720-2 04/21/20 13:29

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3520714-1 04/21/20 13:18

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1209078-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1209078-06 04/21/20 13:18 • (DUP) R3520714-3 04/21/20 13:18

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	80.8	83.3	1	2.98		10

Laboratory Control Sample (LCS)

(LCS) R3520714-2 04/21/20 13:18

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3520709-1 04/21/20 13:09

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1209078-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1209078-16 04/21/20 13:09 • (DUP) R3520709-3 04/21/20 13:09

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.3	95.8	1	3.72		10

Laboratory Control Sample (LCS)

(LCS) R3520709-2 04/21/20 13:09

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3519589-4 04/16/20 20:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromochloromethane	U		0.128	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	U		0.157	0.500
sec-Butylbenzene	U		0.125	0.500
tert-Butylbenzene	U		0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
trans-1,4-Dichloro-2-butene	U		0.467	5.00
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
2,2-Dichloropropane	U		0.161	0.500
Di-isopropyl ether	U		0.105	0.500

Method Blank (MB)

(MB) R3519589-4 04/16/20 20:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.137	0.500
Hexachloro-1,3-butadiene	0.467	J	0.337	1.00
2-Hexanone	U		0.787	5.00
n-Hexane	U		0.749	5.00
Iodomethane	U		6.00	10.0
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	0.750	J	0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	0.551	J	0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
1,2,3-Trichlorobenzene	0.412	J	0.164	0.500
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,3-Trimethylbenzene	U		0.104	0.500
1,2,4-Trimethylbenzene	U		0.322	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl acetate	U		0.692	5.00
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*91.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*

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

(LCS) R3519589-1 04/16/20 18:47 • (LCSD) R3519589-2 04/16/20 19:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	23.8	23.6	95.2	94.4	19.0-160			0.844	27
Acrylonitrile	25.0	26.2	26.0	105	104	55.0-149			0.766	20
Benzene	5.00	4.68	4.63	93.6	92.6	70.0-123			1.07	20
Bromobenzene	5.00	5.18	5.29	104	106	73.0-121			2.10	20
Bromodichloromethane	5.00	4.85	4.84	97.0	96.8	75.0-120			0.206	20
Bromochloromethane	5.00	5.60	5.33	112	107	76.0-122			4.94	20
Bromoform	5.00	4.65	4.67	93.0	93.4	68.0-132			0.429	20
Bromomethane	5.00	4.20	4.19	84.0	83.8	10.0-160			0.238	25
n-Butylbenzene	5.00	5.60	5.39	112	108	73.0-125			3.82	20
sec-Butylbenzene	5.00	5.52	5.55	110	111	75.0-125			0.542	20
tert-Butylbenzene	5.00	5.31	5.37	106	107	76.0-124			1.12	20
Carbon disulfide	5.00	5.14	5.26	103	105	61.0-128			2.31	20
Carbon tetrachloride	5.00	5.14	5.15	103	103	68.0-126			0.194	20
Chlorobenzene	5.00	5.33	5.12	107	102	80.0-121			4.02	20
Chlorodibromomethane	5.00	5.48	5.12	110	102	77.0-125			6.79	20
Chloroethane	5.00	4.61	4.72	92.2	94.4	47.0-150			2.36	20
Chloroform	5.00	4.60	4.53	92.0	90.6	73.0-120			1.53	20
Chloromethane	5.00	4.93	5.04	98.6	101	41.0-142			2.21	20
2-Chlorotoluene	5.00	5.25	5.28	105	106	76.0-123			0.570	20
4-Chlorotoluene	5.00	5.48	5.31	110	106	75.0-122			3.15	20
1,2-Dibromo-3-Chloropropane	5.00	3.94	4.10	78.8	82.0	58.0-134			3.98	20
1,2-Dibromoethane	5.00	5.79	5.25	116	105	80.0-122			9.78	20
Dibromomethane	5.00	5.02	5.19	100	104	80.0-120			3.33	20
1,2-Dichlorobenzene	5.00	5.29	5.28	106	106	79.0-121			0.189	20
1,3-Dichlorobenzene	5.00	5.16	5.35	103	107	79.0-120			3.62	20
1,4-Dichlorobenzene	5.00	5.06	4.92	101	98.4	79.0-120			2.81	20
trans-1,4-Dichloro-2-butene	5.00	5.10	4.86	102	97.2	33.0-144			4.82	20
Dichlorodifluoromethane	5.00	5.95	5.63	119	113	51.0-149			5.53	20
1,1-Dichloroethane	5.00	5.11	5.17	102	103	70.0-126			1.17	20
1,2-Dichloroethane	5.00	4.75	4.88	95.0	97.6	70.0-128			2.70	20
1,1-Dichloroethene	5.00	5.59	5.43	112	109	71.0-124			2.90	20
cis-1,2-Dichloroethene	5.00	5.06	5.40	101	108	73.0-120			6.50	20
trans-1,2-Dichloroethene	5.00	5.06	4.98	101	99.6	73.0-120			1.59	20
1,2-Dichloropropane	5.00	4.60	4.68	92.0	93.6	77.0-125			1.72	20
1,1-Dichloropropene	5.00	4.74	4.68	94.8	93.6	74.0-126			1.27	20
1,3-Dichloropropane	5.00	5.21	4.85	104	97.0	80.0-120			7.16	20
cis-1,3-Dichloropropene	5.00	4.91	4.72	98.2	94.4	80.0-123			3.95	20
trans-1,3-Dichloropropene	5.00	5.81	5.04	116	101	78.0-124			14.2	20
2,2-Dichloropropane	5.00	5.15	4.89	103	97.8	58.0-130			5.18	20
Di-isopropyl ether	5.00	4.74	4.69	94.8	93.8	58.0-138			1.06	20

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

(LCS) R3519589-1 04/16/20 18:47 • (LCSD) R3519589-2 04/16/20 19:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	5.05	4.92	101	98.4	79.0-123			2.61	20
Hexachloro-1,3-butadiene	5.00	2.91	3.88	58.2	77.6	54.0-138		J3	28.6	20
2-Hexanone	25.0	25.7	22.5	103	90.0	67.0-149			13.3	20
n-Hexane	5.00	4.50	4.83	90.0	96.6	57.0-133			7.07	20
Iodomethane	25.0	27.4	28.2	110	113	33.0-147			2.88	26
Isopropylbenzene	5.00	5.43	5.28	109	106	76.0-127			2.80	20
p-Isopropyltoluene	5.00	5.46	5.49	109	110	76.0-125			0.548	20
2-Butanone (MEK)	25.0	23.2	22.6	92.8	90.4	44.0-160			2.62	20
Methylene Chloride	5.00	5.06	5.22	101	104	67.0-120			3.11	20
4-Methyl-2-pentanone (MIBK)	25.0	26.5	24.8	106	99.2	68.0-142			6.63	20
Methyl tert-butyl ether	5.00	5.09	4.79	102	95.8	68.0-125			6.07	20
Naphthalene	5.00	3.17	5.10	63.4	102	54.0-135		J3	46.7	20
n-Propylbenzene	5.00	5.43	5.22	109	104	77.0-124			3.94	20
Styrene	5.00	4.54	4.44	90.8	88.8	73.0-130			2.23	20
1,1,1,2-Tetrachloroethane	5.00	5.74	5.45	115	109	75.0-125			5.18	20
1,1,2,2-Tetrachloroethane	5.00	5.41	5.10	108	102	65.0-130			5.90	20
Tetrachloroethene	5.00	5.83	5.48	117	110	72.0-132			6.19	20
Toluene	5.00	5.16	4.87	103	97.4	79.0-120			5.78	20
1,1,2-Trichlorotrifluoroethane	5.00	5.65	5.45	113	109	69.0-132			3.60	20
1,2,3-Trichlorobenzene	5.00	3.05	5.25	61.0	105	50.0-138		J3	53.0	20
1,1,1-Trichloroethane	5.00	5.16	5.03	103	101	73.0-124			2.55	20
1,1,2-Trichloroethane	5.00	5.73	5.59	115	112	80.0-120			2.47	20
Trichloroethene	5.00	5.40	5.08	108	102	78.0-124			6.11	20
Trichlorofluoromethane	5.00	5.30	5.24	106	105	59.0-147			1.14	20
1,2,3-Trichloropropane	5.00	5.53	5.61	111	112	73.0-130			1.44	20
1,2,3-Trimethylbenzene	5.00	5.59	5.33	112	107	77.0-120			4.76	20
1,2,4-Trimethylbenzene	5.00	5.33	5.39	107	108	76.0-121			1.12	20
1,3,5-Trimethylbenzene	5.00	5.04	5.19	101	104	76.0-122			2.93	20
Vinyl acetate	25.0	20.7	18.5	82.8	74.0	11.0-160			11.2	20
Vinyl chloride	5.00	4.58	4.65	91.6	93.0	67.0-131			1.52	20
Xylenes, Total	15.0	15.7	15.1	105	101	79.0-123			3.90	20
(S) Toluene-d8				*109*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.1*	*90.9*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*93.4*	*96.8*	*70.0-130*				

Method Blank (MB)

(MB) R3519716-3 04/17/20 17:32

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,4-Trichlorobenzene	U		0.481	1.00
(S) Toluene-d8	*96.1*			*80.0-120*
(S) 4-Bromofluorobenzene	*106*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3519716-1 04/17/20 16:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,4-Trichlorobenzene	5.00	4.33	86.6	57.0-137	
(S) Toluene-d8			*93.0*	*80.0-120*	
(S) 4-Bromofluorobenzene			*103*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*128*	*70.0-130*	

Method Blank (MB)

(MB) R3519793-2 04/17/20 09:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromochloromethane	U		0.000564	0.00500
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon disulfide	U		0.000700	0.0125
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
trans-1,4-Dichloro-2-butene	U		0.00186	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100

Method Blank (MB)

(MB) R3519793-2 04/17/20 09:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
n-Hexane	U		0.00226	0.00500
2-Hexanone	U		0.00336	0.0250
Iodomethane	U		0.00232	0.0125
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl acetate	U		0.00254	0.0125
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*94.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3519793-1 04/17/20 08:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	1.09	174	10.0-160	J4
Acrylonitrile	0.625	0.818	131	45.0-153	
Benzene	0.125	0.105	84.0	70.0-123	
Bromobenzene	0.125	0.124	99.2	73.0-121	
Bromodichloromethane	0.125	0.112	89.6	73.0-121	
Bromochloromethane	0.125	0.142	114	77.0-128	
Bromoform	0.125	0.146	117	64.0-132	
Bromomethane	0.125	0.136	109	56.0-147	
n-Butylbenzene	0.125	0.121	96.8	68.0-135	
sec-Butylbenzene	0.125	0.117	93.6	74.0-130	
tert-Butylbenzene	0.125	0.105	84.0	75.0-127	
Carbon disulfide	0.125	0.102	81.6	56.0-133	
Carbon tetrachloride	0.125	0.0999	79.9	66.0-128	
Chlorobenzene	0.125	0.134	107	76.0-128	
Chlorodibromomethane	0.125	0.119	95.2	74.0-127	
Chloroethane	0.125	0.137	110	61.0-134	
Chloroform	0.125	0.0947	75.8	72.0-123	
Chloromethane	0.125	0.116	92.8	51.0-138	
2-Chlorotoluene	0.125	0.130	104	75.0-124	
4-Chlorotoluene	0.125	0.126	101	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.128	102	59.0-130	
1,2-Dibromoethane	0.125	0.133	106	74.0-128	
Dibromomethane	0.125	0.145	116	75.0-122	
1,2-Dichlorobenzene	0.125	0.133	106	76.0-124	
1,3-Dichlorobenzene	0.125	0.125	100	76.0-125	
1,4-Dichlorobenzene	0.125	0.119	95.2	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.116	92.8	45.0-143	
Dichlorodifluoromethane	0.125	0.177	142	43.0-156	
1,1-Dichloroethane	0.125	0.101	80.8	70.0-127	
1,2-Dichloroethane	0.125	0.0896	71.7	65.0-131	
1,1-Dichloroethene	0.125	0.112	89.6	65.0-131	
cis-1,2-Dichloroethene	0.125	0.109	87.2	73.0-125	
trans-1,2-Dichloroethene	0.125	0.116	92.8	71.0-125	
1,2-Dichloropropane	0.125	0.159	127	74.0-125	J4
1,1-Dichloropropene	0.125	0.107	85.6	73.0-125	
1,3-Dichloropropane	0.125	0.123	98.4	80.0-125	
cis-1,3-Dichloropropene	0.125	0.142	114	76.0-127	
trans-1,3-Dichloropropene	0.125	0.131	105	73.0-127	
2,2-Dichloropropane	0.125	0.0970	77.6	59.0-135	
Di-isopropyl ether	0.125	0.123	98.4	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3519793-1 04/17/20 08:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.131	105	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.104	83.2	57.0-150	
2-Hexanone	0.625	0.883	141	54.0-147	
n-Hexane	0.125	0.101	80.8	55.0-137	
Iodomethane	0.625	0.577	92.3	74.0-134	
Isopropylbenzene	0.125	0.126	101	72.0-127	
p-Isopropyltoluene	0.125	0.119	95.2	72.0-133	
2-Butanone (MEK)	0.625	0.777	124	30.0-160	
Methylene Chloride	0.125	0.123	98.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.813	130	56.0-143	
Methyl tert-butyl ether	0.125	0.121	96.8	66.0-132	
Naphthalene	0.125	0.105	84.0	59.0-130	
n-Propylbenzene	0.125	0.121	96.8	74.0-126	
Styrene	0.125	0.148	118	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.127	102	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.139	111	68.0-128	
Tetrachloroethene	0.125	0.119	95.2	70.0-136	
Toluene	0.125	0.111	88.8	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.129	103	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.117	93.6	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.111	88.8	62.0-137	
1,1,1-Trichloroethane	0.125	0.114	91.2	69.0-126	
1,1,2-Trichloroethane	0.125	0.116	92.8	78.0-123	
Trichloroethene	0.125	0.124	99.2	76.0-126	
Trichlorofluoromethane	0.125	0.111	88.8	61.0-142	
1,2,3-Trichloropropane	0.125	0.133	106	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.109	87.2	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.104	83.2	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.103	82.4	73.0-127	
Vinyl acetate	0.625	0.948	152	43.0-159	
Vinyl chloride	0.125	0.165	132	63.0-134	
Xylenes, Total	0.375	0.384	102	72.0-127	
(S) Toluene-d8			*106*	*75.0-131*	
(S) 4-Bromofluorobenzene			*102*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*99.0*	*70.0-130*	

Method Blank (MB)

(MB) R3519796-2 04/17/20 11:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromochloromethane	U		0.000564	0.00500
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon disulfide	U		0.000700	0.0125
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
trans-1,4-Dichloro-2-butene	U		0.00186	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100

Method Blank (MB)

(MB) R3519796-2 04/17/20 11:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
n-Hexane	U		0.00226	0.00500
2-Hexanone	U		0.00336	0.0250
Iodomethane	U		0.00232	0.0125
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl acetate	U		0.00254	0.0125
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*102*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*89.0*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3519796-1 04/17/20 10:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.481	77.0	10.0-160	
Acrylonitrile	0.625	0.640	102	45.0-153	
Benzene	0.125	0.110	88.0	70.0-123	
Bromobenzene	0.125	0.117	93.6	73.0-121	
Bromodichloromethane	0.125	0.140	112	73.0-121	
Bromochloromethane	0.125	0.113	90.4	77.0-128	
Bromoform	0.125	0.103	82.4	64.0-132	
Bromomethane	0.125	0.114	91.2	56.0-147	
n-Butylbenzene	0.125	0.0905	72.4	68.0-135	
sec-Butylbenzene	0.125	0.102	81.6	74.0-130	
tert-Butylbenzene	0.125	0.107	85.6	75.0-127	
Carbon disulfide	0.125	0.103	82.4	56.0-133	
Carbon tetrachloride	0.125	0.115	92.0	66.0-128	
Chlorobenzene	0.125	0.0996	79.7	76.0-128	
Chlorodibromomethane	0.125	0.108	86.4	74.0-127	
Chloroethane	0.125	0.127	102	61.0-134	
Chloroform	0.125	0.119	95.2	72.0-123	
Chloromethane	0.125	0.117	93.6	51.0-138	
2-Chlorotoluene	0.125	0.0934	74.7	75.0-124	J4
4-Chlorotoluene	0.125	0.105	84.0	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.0832	66.6	59.0-130	
1,2-Dibromoethane	0.125	0.105	84.0	74.0-128	
Dibromomethane	0.125	0.136	109	75.0-122	
1,2-Dichlorobenzene	0.125	0.110	88.0	76.0-124	
1,3-Dichlorobenzene	0.125	0.102	81.6	76.0-125	
1,4-Dichlorobenzene	0.125	0.0916	73.3	77.0-121	J4
trans-1,4-Dichloro-2-butene	0.125	0.0779	62.3	45.0-143	
Dichlorodifluoromethane	0.125	0.108	86.4	43.0-156	
1,1-Dichloroethane	0.125	0.128	102	70.0-127	
1,2-Dichloroethane	0.125	0.115	92.0	65.0-131	
1,1-Dichloroethene	0.125	0.108	86.4	65.0-131	
cis-1,2-Dichloroethene	0.125	0.135	108	73.0-125	
trans-1,2-Dichloroethene	0.125	0.118	94.4	71.0-125	
1,2-Dichloropropane	0.125	0.138	110	74.0-125	
1,1-Dichloropropene	0.125	0.101	80.8	73.0-125	
1,3-Dichloropropane	0.125	0.113	90.4	80.0-125	
cis-1,3-Dichloropropene	0.125	0.105	84.0	76.0-127	
trans-1,3-Dichloropropene	0.125	0.101	80.8	73.0-127	
2,2-Dichloropropane	0.125	0.113	90.4	59.0-135	
Di-isopropyl ether	0.125	0.128	102	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3519796-1 04/17/20 10:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.100	80.0	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.107	85.6	57.0-150	
n-Hexane	0.125	0.143	114	55.0-137	
2-Hexanone	0.625	0.501	80.2	54.0-147	
Iodomethane	0.625	0.610	97.6	74.0-134	
Isopropylbenzene	0.125	0.103	82.4	72.0-127	
p-Isopropyltoluene	0.125	0.0962	77.0	72.0-133	
2-Butanone (MEK)	0.625	0.479	76.6	30.0-160	
Methylene Chloride	0.125	0.110	88.0	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.544	87.0	56.0-143	
Methyl tert-butyl ether	0.125	0.140	112	66.0-132	
Naphthalene	0.125	0.0948	75.8	59.0-130	
n-Propylbenzene	0.125	0.107	85.6	74.0-126	
Styrene	0.125	0.119	95.2	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.102	81.6	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.116	92.8	68.0-128	
Tetrachloroethene	0.125	0.151	121	70.0-136	
Toluene	0.125	0.107	85.6	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.107	85.6	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.0927	74.2	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.0901	72.1	62.0-137	
1,1,1-Trichloroethane	0.125	0.136	109	69.0-126	
1,1,2-Trichloroethane	0.125	0.0991	79.3	78.0-123	
Trichloroethene	0.125	0.117	93.6	76.0-126	
Trichlorofluoromethane	0.125	0.0916	73.3	61.0-142	
1,2,3-Trichloropropane	0.125	0.118	94.4	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.0963	77.0	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.118	94.4	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.111	88.8	73.0-127	
Vinyl acetate	0.625	0.685	110	43.0-159	
Vinyl chloride	0.125	0.117	93.6	63.0-134	
Xylenes, Total	0.375	0.316	84.3	72.0-127	
(S) Toluene-d8			*98.7*	*75.0-131*	
(S) 4-Bromofluorobenzene			*105*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*99.9*	*70.0-130*	

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

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	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
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
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.

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

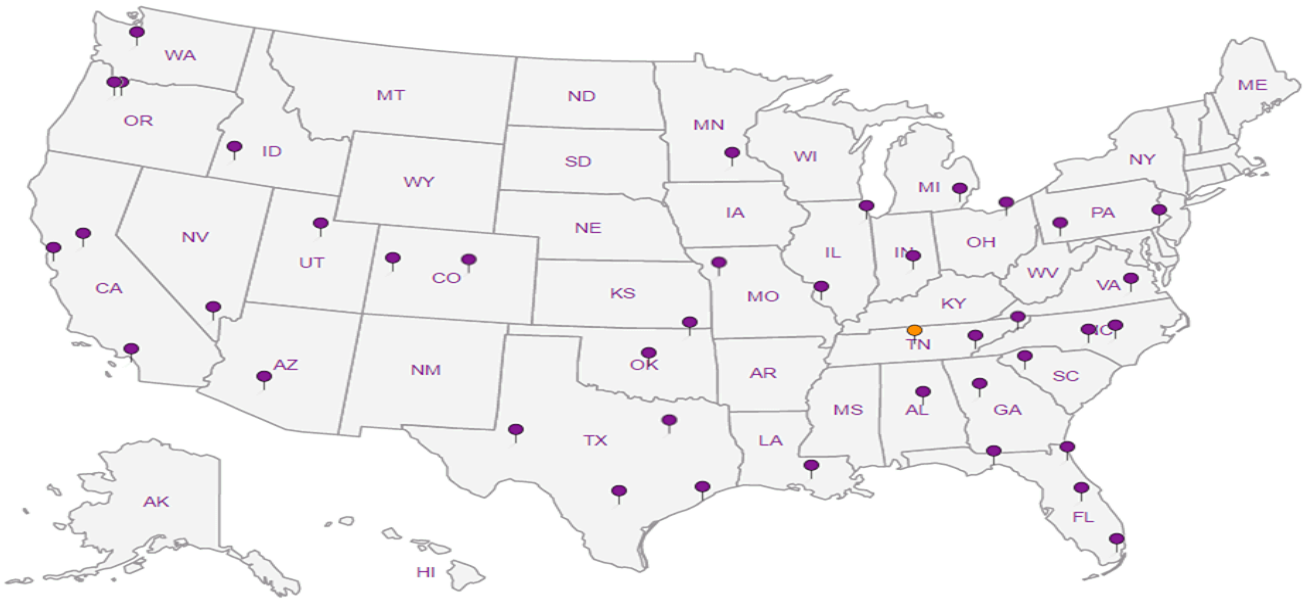
Third Party Federal Accreditations

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.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;

Project Description: American Linen

City/State Collected: SEATTLE, WA

Please Circle: PT MT CT ET

Phone: 206-529-3980

Client Project # 1413.001.02.501B

Lab Project # PESENVSWA-ALP

Collected by (print): RT McLAUGHLIN

Site/Facility ID # American Linen

P.O. #

Collected by (signature): RT McLaughlin

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260D 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	trip blk VOC 8260LLC 40mlAmb-HCl-Blk	HOLD							Remarks	Sample # (lab only)
MW-343-5	Grab	SS	5	4/13/20	1010	2	X	X										-01
MW-343-10		SS	10		1015	2	X	X										02
MW-343-12.5		SS	12.5		1025	2	X	X										03
MW-343-17		SS	17		1035	2	X	X										04
MW-343-24		SS	24		1105	2	X	X										05
MW-343-28.5		SS	28.5		1110	2	X	X										06
MW-343-29.5		SS	29.5		1112	1				X								
MW-343-35		SS	35		1140	2	X	X										07
MW-343-38		SS	38		1200	2	X	X										08
MW-343-44	Grab	SS	44	4/13/20	1238	2	X	X										09

Chain of Custody Page 1 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

SDG # L1269078

F074

Acctnum: PESENVSWA
Template: T165829
Prelogin: P766851
PM: 110 - Brian Ford
PB:
Shipped Via:

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

Remarks: Standard TAT
BATCH QA/QC OKAY/TIER 2 LAB QA/QC

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 1749 9597 2410

Sample Receipt Checklist

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
RT McLaughlin	4/14/20	1500		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.2 °C	Bottles Received: 55
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 15 Apr	Time: 0500

Hold: | Condition: NCF / OK

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;

Project Description: American Linen

City/State Collected: SEATTLE, WA

Please Circle: PT MT CT ET

Phone: 206-529-3980

Client Project # 1413.001.02.501B

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLAUGHLIN

Site/Facility ID # American Linen

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260D 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	trip blk VOC 8260LLC 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-343-47	GRAB	SS	47'	4/13/20	1250	2	X	X			10
MW-343-51		SS	51'		1355	2					11
MW-343-55		SS	55'		1400	2					12
MW-343-62		SS	62'		1502	2					13
MW-343-68		SS	68'		1510	2					14
MW-343-73		SS	73'		1515	2					15
MW-343-79		SS	79'		1525	2					16
MW-343-82		SS	82'		1545	2					17
MW-343-86		SS	86'		1547	2					18
MW-343-93	GRAB	SS	93	4/13/20	1600	2	X	X			19

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

SDG # L1209078

Table #

Acctnum: PESENVSWA

Template: T165829

Prelogin: P766851

PM: 110 - Brian Ford

PB:

Shipped Via:

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	__NP __Y __N
COC Signed/Accurate:	X Y __N
Bottles arrive intact:	X Y __N
Correct bottles used:	X Y __N
Sufficient volume sent:	X Y __N
If Applicable	
VOA Zero Headspace:	__Y __N
Preservation Correct/Checked:	__Y __N
RAD Screen <0.5 mR/hr:	__Y __N

	Date:	Time:			
Relinquished by : (Signature)	4/14/20	1500	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.6 °C .2 ±0=.2	Bottles Received: 54
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 15Apr	Time: 0830

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 3 of 3

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;

Project Description: American Linen

City/State Collected: SEATTLE WA

Please Circle: PT MT CT ET

Phone: 206-529-3980

Client Project # 1413.001.02.501B

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature): R. McLaughlin

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260D 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	trip blk VOC 8260LLC 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-343-99	Grab	SSGW (PW)	99'	4/13/20	1605	2	X	X			20
MW-343-102		SSGW	102	4/14/20	1104	2	X	X			21
MW-343-106		SSGW	106		1155	2	X	X			22
MW-343-108		SSGW	108		1200	2	X	X			23
MW-2017-102	Grab	SSGW	102		0900	2	X	X			24
TB-041420	—	—	—	4/14/20	1330	1			X		25

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

SDG #

Table #

Acctnum: PESENVSWA

Template: T165829

Prelogin: P766851

PM: 110 - Brian Ford

PB:

Shipped Via:

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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

	Date:	Time:		
Relinquished by: (Signature) R. McLaughlin	4/14/20	1500	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.1 °C Bottles Received: 59
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 15 Apr Time: 0830

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 29, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1210278
Samples Received:	04/18/2020
Project Number:	1413.001.02.501B
Description:	American Linen

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
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-334-6 L1210278-02 Solid

Collected by: R. McLaughlin | Collected date/time: 04/16/20 08:40 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465755	1	04/27/20 12:03	04/27/20 12:11	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/16/20 08:40	04/22/20 18:23	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/16/20 08:40	04/27/20 23:33	ACG	Mt. Juliet, TN

MW-334-10 L1210278-03 Solid

Collected by: R. McLaughlin | Collected date/time: 04/16/20 08:42 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465755	1	04/27/20 12:03	04/27/20 12:11	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1465276	25	04/16/20 08:42	04/23/20 18:12	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/16/20 08:42	04/22/20 18:43	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/16/20 08:42	04/27/20 23:52	ACG	Mt. Juliet, TN

MW-334-13 L1210278-04 Solid

Collected by: R. McLaughlin | Collected date/time: 04/16/20 09:05 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465756	1	04/27/20 11:52	04/27/20 12:02	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1465276	100	04/16/20 09:05	04/23/20 18:34	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	8	04/16/20 09:05	04/23/20 00:43	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	8	04/16/20 09:05	04/28/20 00:11	ACG	Mt. Juliet, TN

MW-334-17 L1210278-05 Solid

Collected by: R. McLaughlin | Collected date/time: 04/16/20 09:10 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465756	1	04/27/20 11:52	04/27/20 12:02	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1465276	25	04/16/20 09:10	04/23/20 18:57	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/16/20 09:10	04/22/20 19:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/16/20 09:10	04/28/20 00:30	ACG	Mt. Juliet, TN

MW-334-23 L1210278-06 Solid

Collected by: R. McLaughlin | Collected date/time: 04/16/20 09:38 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465756	1	04/27/20 11:52	04/27/20 12:02	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1465276	25	04/16/20 09:38	04/23/20 19:19	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/16/20 09:38	04/22/20 19:23	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/16/20 09:38	04/28/20 00:49	ACG	Mt. Juliet, TN

MW-334-28 L1210278-07 Solid

Collected by: R. McLaughlin | Collected date/time: 04/16/20 09:40 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465756	1	04/27/20 11:52	04/27/20 12:02	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/16/20 09:40	04/22/20 19:43	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/16/20 09:40	04/28/20 01:08	ACG	Mt. Juliet, TN

MW-334-35 L1210278-08 Solid

Collected by: R. McLaughlin | Collected date/time: 04/16/20 10:10 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465756	1	04/27/20 11:52	04/27/20 12:02	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/16/20 10:10	04/22/20 20:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/16/20 10:10	04/28/20 01:28	ACG	Mt. Juliet, TN

MW-334-40 L1210278-09 Solid

Collected by: R. McLaughlin | Collected date/time: 04/16/20 10:12 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465756	1	04/27/20 11:52	04/27/20 12:02	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/16/20 10:12	04/22/20 20:22	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/16/20 10:12	04/28/20 01:47	ACG	Mt. Juliet, TN

MW-334-45.5 L1210278-10 Solid

Collected by: R. McLaughlin | Collected date/time: 04/16/20 10:45 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465756	1	04/27/20 11:52	04/27/20 12:02	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/16/20 10:45	04/22/20 20:42	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/16/20 10:45	04/28/20 02:06	ACG	Mt. Juliet, TN

MW-334-50 L1210278-11 Solid

Collected by: R. McLaughlin | Collected date/time: 04/16/20 10:47 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465756	1	04/27/20 11:52	04/27/20 12:02	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/16/20 10:47	04/22/20 21:02	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/16/20 10:47	04/28/20 02:25	ACG	Mt. Juliet, TN

MW-334-54.5 L1210278-12 Solid

Collected by: R. McLaughlin | Collected date/time: 04/16/20 11:20 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465756	1	04/27/20 11:52	04/27/20 12:02	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/16/20 11:20	04/22/20 21:23	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/16/20 11:20	04/28/20 02:45	ACG	Mt. Juliet, TN

MW-334-60 L1210278-13 Solid

Collected by: R. McLaughlin | Collected date/time: 04/16/20 11:22 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465756	1	04/27/20 11:52	04/27/20 12:02	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/16/20 11:22	04/22/20 21:42	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/16/20 11:22	04/28/20 03:04	ACG	Mt. Juliet, TN

MW-334-63 L1210278-14 Solid

Collected by: R. McLaughlin | Collected date/time: 04/16/20 11:40 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465757	1	04/27/20 11:39	04/27/20 11:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/16/20 11:40	04/22/20 22:02	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/16/20 11:40	04/28/20 03:23	ACG	Mt. Juliet, TN

MW-332-7 L1210278-15 Solid

Collected by: R. McLaughlin | Collected date/time: 04/17/20 08:35 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465757	1	04/27/20 11:39	04/27/20 11:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/17/20 08:35	04/22/20 22:22	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/17/20 08:35	04/28/20 03:43	ACG	Mt. Juliet, TN

MW-332-11 L1210278-16 Solid

Collected by: R. McLaughlin | Collected date/time: 04/17/20 09:05 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465757	1	04/27/20 11:39	04/27/20 11:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/17/20 09:05	04/22/20 22:42	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/17/20 09:05	04/28/20 04:02	ACG	Mt. Juliet, TN

MW-332-16 L1210278-17 Solid

Collected by: R. McLaughlin | Collected date/time: 04/17/20 09:07 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465757	1	04/27/20 11:39	04/27/20 11:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/17/20 09:07	04/22/20 23:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/17/20 09:07	04/28/20 04:21	ACG	Mt. Juliet, TN

MW-332-20 L1210278-18 Solid

Collected by: R. McLaughlin | Collected date/time: 04/17/20 09:30 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465757	1	04/27/20 11:39	04/27/20 11:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/17/20 09:30	04/22/20 23:23	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/17/20 09:30	04/28/20 04:40	ACG	Mt. Juliet, TN

MW-332-25 L1210278-19 Solid

Collected by: R. McLaughlin | Collected date/time: 04/17/20 09:35 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465757	1	04/27/20 11:39	04/27/20 11:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/17/20 09:35	04/22/20 23:43	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/17/20 09:35	04/28/20 05:00	ACG	Mt. Juliet, TN

MW-332-30 L1210278-20 Solid

Collected by: R. McLaughlin | Collected date/time: 04/17/20 09:38 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465757	1	04/27/20 11:39	04/27/20 11:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/17/20 09:38	04/23/20 00:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/17/20 09:38	04/28/20 05:19	ACG	Mt. Juliet, TN

MW-331-7 L1210278-21 Solid

Collected by: R. McLaughlin | Collected date/time: 04/17/20 11:47 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465757	1	04/27/20 11:39	04/27/20 11:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1465276	50	04/17/20 11:47	04/23/20 19:41	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464831	1	04/17/20 11:47	04/23/20 00:23	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466991	1	04/17/20 11:47	04/28/20 06:04	ACG	Mt. Juliet, TN

MW-331-11 L1210278-22 Solid

Collected by: R. McLaughlin | Collected date/time: 04/17/20 11:55 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465757	1	04/27/20 11:39	04/27/20 11:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1466570	2000	04/17/20 11:55	04/27/20 16:18	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464913	8	04/17/20 11:55	04/23/20 05:48	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1465193	40	04/17/20 11:55	04/23/20 18:57	JHH	Mt. Juliet, TN

MW-331-16 L1210278-23 Solid

Collected by: R. McLaughlin | Collected date/time: 04/17/20 12:25 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465757	1	04/27/20 11:39	04/27/20 11:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1466570	25	04/17/20 12:25	04/27/20 14:55	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464913	1	04/17/20 12:25	04/23/20 06:07	JHH	Mt. Juliet, TN

MW-331-20 L1210278-24 Solid

Collected by: R. McLaughlin | Collected date/time: 04/17/20 12:27 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465758	1	04/27/20 11:19	04/27/20 11:28	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1466570	25	04/17/20 12:27	04/27/20 15:16	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464913	1	04/17/20 12:27	04/23/20 06:25	JHH	Mt. Juliet, TN

MW-331-29.5 L1210278-25 Solid

Collected by: R. McLaughlin | Collected date/time: 04/17/20 12:40 | Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465758	1	04/27/20 11:19	04/27/20 11:28	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1466570	25	04/17/20 12:40	04/27/20 15:36	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464913	1	04/17/20 12:40	04/23/20 06:44	JHH	Mt. Juliet, TN

MW-331-35 L1210278-26 Solid

Collected by: R. McLaughlin
Collected date/time: 04/17/20 12:54
Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465758	1	04/27/20 11:19	04/27/20 11:28	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464913	1	04/17/20 12:54	04/23/20 07:03	JHH	Mt. Juliet, TN

MW-331-40 L1210278-27 Solid

Collected by: R. McLaughlin
Collected date/time: 04/17/20 12:58
Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465758	1	04/27/20 11:19	04/27/20 11:28	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464913	1	04/17/20 12:58	04/23/20 07:22	JHH	Mt. Juliet, TN

MW-331-45 L1210278-28 Solid

Collected by: R. McLaughlin
Collected date/time: 04/17/20 13:35
Received date/time: 04/18/20 08:45

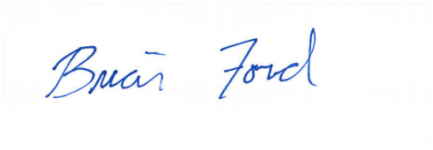
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465758	1	04/27/20 11:19	04/27/20 11:28	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464913	1	04/17/20 13:35	04/23/20 07:41	JHH	Mt. Juliet, TN

MW-2018-35 L1210278-29 Solid

Collected by: R. McLaughlin
Collected date/time: 04/17/20 10:50
Received date/time: 04/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1465758	1	04/27/20 11:19	04/27/20 11:28	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1464913	1	04/17/20 10:50	04/23/20 08:00	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.



Brian Ford
Project Manager

Project Narrative

L1210278-01, trip blank, TB-041720: trip blank vial was accidentally broken. Analyses could not be completed.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.3		1	04/27/2020 12:11	WG1465755

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0443	0.0607	1	04/22/2020 18:23	WG1464831
Acrylonitrile	U		0.00439	0.0152	1	04/22/2020 18:23	WG1464831
Benzene	0.00108	J	0.000567	0.00121	1	04/22/2020 18:23	WG1464831
Bromobenzene	U		0.00109	0.0152	1	04/22/2020 18:23	WG1464831
Bromodichloromethane	U		0.000881	0.00304	1	04/22/2020 18:23	WG1464831
Bromochloromethane	U		0.000685	0.00607	1	04/22/2020 18:23	WG1464831
Bromoform	U		0.00142	0.0304	1	04/22/2020 18:23	WG1464831
Bromomethane	U		0.00239	0.0152	1	04/22/2020 18:23	WG1464831
n-Butylbenzene	U		0.00638	0.0152	1	04/22/2020 18:23	WG1464831
sec-Butylbenzene	U		0.00350	0.0152	1	04/22/2020 18:23	WG1464831
tert-Butylbenzene	U		0.00237	0.00607	1	04/22/2020 18:23	WG1464831
Carbon disulfide	0.00300	J	0.000850	0.0152	1	04/22/2020 18:23	WG1464831
Carbon tetrachloride	U		0.00109	0.00607	1	04/22/2020 18:23	WG1464831
Chlorobenzene	U		0.000255	0.00304	1	04/22/2020 18:23	WG1464831
Chlorodibromomethane	U	J4	0.000743	0.00304	1	04/22/2020 18:23	WG1464831
Chloroethane	U		0.00207	0.00607	1	04/22/2020 18:23	WG1464831
Chloroform	U		0.00125	0.00304	1	04/22/2020 18:23	WG1464831
Chloromethane	U		0.00528	0.0152	1	04/22/2020 18:23	WG1464831
2-Chlorotoluene	U		0.00105	0.00304	1	04/22/2020 18:23	WG1464831
4-Chlorotoluene	U		0.000547	0.00607	1	04/22/2020 18:23	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00474	0.0304	1	04/22/2020 18:23	WG1464831
1,2-Dibromoethane	U		0.000787	0.00304	1	04/22/2020 18:23	WG1464831
Dibromomethane	U		0.000911	0.00607	1	04/22/2020 18:23	WG1464831
1,2-Dichlorobenzene	0.00746		0.000516	0.00607	1	04/22/2020 18:23	WG1464831
1,3-Dichlorobenzene	0.00129	J	0.000729	0.00607	1	04/22/2020 18:23	WG1464831
1,4-Dichlorobenzene	0.00813		0.000850	0.00607	1	04/22/2020 18:23	WG1464831
Dichlorodifluoromethane	U		0.00196	0.00304	1	04/22/2020 18:23	WG1464831
1,1-Dichloroethane	U		0.000596	0.00304	1	04/22/2020 18:23	WG1464831
1,2-Dichloroethane	U		0.000788	0.00304	1	04/22/2020 18:23	WG1464831
1,1-Dichloroethene	U		0.000736	0.00304	1	04/22/2020 18:23	WG1464831
cis-1,2-Dichloroethene	U		0.000892	0.00304	1	04/22/2020 18:23	WG1464831
trans-1,2-Dichloroethene	U		0.00126	0.00607	1	04/22/2020 18:23	WG1464831
1,2-Dichloropropane	U		0.00173	0.00607	1	04/22/2020 18:23	WG1464831
1,1-Dichloropropene	U		0.000983	0.00304	1	04/22/2020 18:23	WG1464831
1,3-Dichloropropane	U		0.000609	0.00607	1	04/22/2020 18:23	WG1464831
cis-1,3-Dichloropropene	U		0.000920	0.00304	1	04/22/2020 18:23	WG1464831
trans-1,3-Dichloropropene	U		0.00138	0.00607	1	04/22/2020 18:23	WG1464831
trans-1,4-Dichloro-2-butene	0.0124		0.00226	0.00607	1	04/22/2020 18:23	WG1464831
2,2-Dichloropropane	U	J4	0.00168	0.00304	1	04/22/2020 18:23	WG1464831
Di-isopropyl ether	U		0.000498	0.00121	1	04/22/2020 18:23	WG1464831
Ethylbenzene	U		0.000895	0.00304	1	04/22/2020 18:23	WG1464831
Hexachloro-1,3-butadiene	U		0.00729	0.0304	1	04/22/2020 18:23	WG1464831
2-Hexanone	U		0.00408	0.0304	1	04/22/2020 18:23	WG1464831
n-Hexane	U		0.00275	0.00607	1	04/22/2020 18:23	WG1464831
Iodomethane	U		0.00282	0.0152	1	04/22/2020 18:23	WG1464831
Isopropylbenzene	U		0.000516	0.00304	1	04/22/2020 18:23	WG1464831
p-Isopropyltoluene	U		0.00310	0.00607	1	04/22/2020 18:23	WG1464831
2-Butanone (MEK)	U		0.0771	0.121	1	04/22/2020 18:23	WG1464831
Methylene Chloride	U		0.00807	0.0304	1	04/22/2020 18:23	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00277	0.0304	1	04/22/2020 18:23	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000425	0.00121	1	04/22/2020 18:23	WG1464831
Naphthalene	0.00952	J	0.00593	0.0152	1	04/22/2020 18:23	WG1464831
n-Propylbenzene	0.00121	J	0.00115	0.00607	1	04/22/2020 18:23	WG1464831
Styrene	U		0.000278	0.0152	1	04/22/2020 18:23	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00115	0.00304	1	04/22/2020 18:23	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000844	0.00304	1	04/22/2020 18:23	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000916	0.00304	1	04/22/2020 18:23	WG1464831
Tetrachloroethene	0.00163	J	0.00109	0.00304	1	04/22/2020 18:23	WG1464831
Toluene	0.00335	J	0.00158	0.00607	1	04/22/2020 18:23	WG1464831
1,2,3-Trichlorobenzene	U		0.00890	0.0152	1	04/27/2020 23:33	WG1466991
1,2,4-Trichlorobenzene	U		0.00535	0.0152	1	04/22/2020 18:23	WG1464831
1,1,1-Trichloroethane	U		0.00112	0.00304	1	04/22/2020 18:23	WG1464831
1,1,2-Trichloroethane	U		0.000725	0.00304	1	04/22/2020 18:23	WG1464831
Trichloroethene	U		0.000709	0.00121	1	04/22/2020 18:23	WG1464831
Trichlorofluoromethane	U		0.00100	0.00304	1	04/22/2020 18:23	WG1464831
1,2,3-Trichloropropane	U		0.00197	0.0152	1	04/22/2020 18:23	WG1464831
1,2,4-Trimethylbenzene	0.00757		0.00192	0.00607	1	04/22/2020 18:23	WG1464831
1,2,3-Trimethylbenzene	0.00695		0.00192	0.00607	1	04/22/2020 18:23	WG1464831
1,3,5-Trimethylbenzene	0.00268	J	0.00243	0.00607	1	04/22/2020 18:23	WG1464831
Vinyl acetate	U		0.00309	0.0152	1	04/22/2020 18:23	WG1464831
Vinyl chloride	U	J4	0.00141	0.00304	1	04/22/2020 18:23	WG1464831
Xylenes, Total	0.00773	J	0.00107	0.00790	1	04/22/2020 18:23	WG1464831
(S) Toluene-d8	*103*			*75.0-131*		*04/22/2020 18:23*	WG1464831
(S) Toluene-d8	*106*			*75.0-131*		*04/27/2020 23:33*	WG1466991
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*04/22/2020 18:23*	WG1464831
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*04/27/2020 23:33*	WG1466991
(S) 1,2-Dichloroethane-d4	*97.0*			*70.0-130*		*04/22/2020 18:23*	WG1464831
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*04/27/2020 23:33*	WG1466991

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.2		1	04/27/2020 12:11	WG1465755

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	8.53	B	1.03	3.04	25	04/23/2020 18:12	WG1465276
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*		*04/23/2020 18:12*	WG1465276

Sample Narrative:

L1210278-03 WG1465276: No discernable petroleum pattern present.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0495	J	0.0444	0.0608	1	04/22/2020 18:43	WG1464831
Acrylonitrile	U		0.00439	0.0152	1	04/22/2020 18:43	WG1464831
Benzene	U		0.000568	0.00122	1	04/22/2020 18:43	WG1464831
Bromobenzene	U		0.00109	0.0152	1	04/22/2020 18:43	WG1464831
Bromodichloromethane	U		0.000882	0.00304	1	04/22/2020 18:43	WG1464831
Bromochloromethane	U		0.000686	0.00608	1	04/22/2020 18:43	WG1464831
Bromoform	U		0.00142	0.0304	1	04/22/2020 18:43	WG1464831
Bromomethane	U		0.00240	0.0152	1	04/22/2020 18:43	WG1464831
n-Butylbenzene	U		0.00638	0.0152	1	04/22/2020 18:43	WG1464831
sec-Butylbenzene	0.00666	J	0.00350	0.0152	1	04/22/2020 18:43	WG1464831
tert-Butylbenzene	U		0.00237	0.00608	1	04/22/2020 18:43	WG1464831
Carbon disulfide	0.0153		0.000851	0.0152	1	04/22/2020 18:43	WG1464831
Carbon tetrachloride	U		0.00109	0.00608	1	04/22/2020 18:43	WG1464831
Chlorobenzene	0.00224	J	0.000255	0.00304	1	04/22/2020 18:43	WG1464831
Chlorodibromomethane	U	J4	0.000744	0.00304	1	04/22/2020 18:43	WG1464831
Chloroethane	U		0.00207	0.00608	1	04/22/2020 18:43	WG1464831
Chloroform	U		0.00125	0.00304	1	04/22/2020 18:43	WG1464831
Chloromethane	U		0.00529	0.0152	1	04/22/2020 18:43	WG1464831
2-Chlorotoluene	U		0.00105	0.00304	1	04/22/2020 18:43	WG1464831
4-Chlorotoluene	U		0.000547	0.00608	1	04/22/2020 18:43	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00474	0.0304	1	04/22/2020 18:43	WG1464831
1,2-Dibromoethane	U		0.000788	0.00304	1	04/22/2020 18:43	WG1464831
Dibromomethane	U		0.000912	0.00608	1	04/22/2020 18:43	WG1464831
1,2-Dichlorobenzene	0.0345		0.000517	0.00608	1	04/22/2020 18:43	WG1464831
1,3-Dichlorobenzene	U		0.000730	0.00608	1	04/22/2020 18:43	WG1464831
1,4-Dichlorobenzene	0.00255	J	0.000851	0.00608	1	04/22/2020 18:43	WG1464831
Dichlorodifluoromethane	U		0.00196	0.00304	1	04/22/2020 18:43	WG1464831
1,1-Dichloroethane	U		0.000597	0.00304	1	04/22/2020 18:43	WG1464831
1,2-Dichloroethane	U		0.000789	0.00304	1	04/22/2020 18:43	WG1464831
1,1-Dichloroethene	U		0.000737	0.00304	1	04/22/2020 18:43	WG1464831
cis-1,2-Dichloroethene	U		0.000893	0.00304	1	04/22/2020 18:43	WG1464831
trans-1,2-Dichloroethene	U		0.00126	0.00608	1	04/22/2020 18:43	WG1464831
1,2-Dichloropropane	U		0.00173	0.00608	1	04/22/2020 18:43	WG1464831
1,1-Dichloropropene	U		0.000984	0.00304	1	04/22/2020 18:43	WG1464831
1,3-Dichloropropane	U		0.000609	0.00608	1	04/22/2020 18:43	WG1464831
cis-1,3-Dichloropropene	U		0.000921	0.00304	1	04/22/2020 18:43	WG1464831
trans-1,3-Dichloropropene	U		0.00139	0.00608	1	04/22/2020 18:43	WG1464831
trans-1,4-Dichloro-2-butene	U		0.00226	0.00608	1	04/22/2020 18:43	WG1464831
2,2-Dichloropropane	U	J4	0.00168	0.00304	1	04/22/2020 18:43	WG1464831
Di-isopropyl ether	U		0.000499	0.00122	1	04/22/2020 18:43	WG1464831
Ethylbenzene	0.00150	J	0.000896	0.00304	1	04/22/2020 18:43	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.00730	0.0304	1	04/22/2020 18:43	WG1464831
2-Hexanone	U		0.00409	0.0304	1	04/22/2020 18:43	WG1464831
n-Hexane	U		0.00275	0.00608	1	04/22/2020 18:43	WG1464831
Iodomethane	U		0.00282	0.0152	1	04/22/2020 18:43	WG1464831
Isopropylbenzene	0.00730		0.000517	0.00304	1	04/22/2020 18:43	WG1464831
p-Isopropyltoluene	0.961		0.00310	0.00608	1	04/22/2020 18:43	WG1464831
2-Butanone (MEK)	U		0.0772	0.122	1	04/22/2020 18:43	WG1464831
Methylene Chloride	U		0.00808	0.0304	1	04/22/2020 18:43	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00277	0.0304	1	04/22/2020 18:43	WG1464831
Methyl tert-butyl ether	U		0.000426	0.00122	1	04/22/2020 18:43	WG1464831
Naphthalene	U		0.00593	0.0152	1	04/22/2020 18:43	WG1464831
n-Propylbenzene	0.0135		0.00116	0.00608	1	04/22/2020 18:43	WG1464831
Styrene	U		0.000279	0.0152	1	04/22/2020 18:43	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00115	0.00304	1	04/22/2020 18:43	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000845	0.00304	1	04/22/2020 18:43	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000917	0.00304	1	04/22/2020 18:43	WG1464831
Tetrachloroethene	U		0.00109	0.00304	1	04/22/2020 18:43	WG1464831
Toluene	0.00452	J	0.00158	0.00608	1	04/22/2020 18:43	WG1464831
1,2,3-Trichlorobenzene	U		0.00891	0.0152	1	04/27/2020 23:52	WG1466991
1,2,4-Trichlorobenzene	U		0.00535	0.0152	1	04/22/2020 18:43	WG1464831
1,1,1-Trichloroethane	U		0.00112	0.00304	1	04/22/2020 18:43	WG1464831
1,1,2-Trichloroethane	U		0.000726	0.00304	1	04/22/2020 18:43	WG1464831
Trichloroethene	U		0.000710	0.00122	1	04/22/2020 18:43	WG1464831
Trichlorofluoromethane	U		0.00101	0.00304	1	04/22/2020 18:43	WG1464831
1,2,3-Trichloropropane	U		0.00197	0.0152	1	04/22/2020 18:43	WG1464831
1,2,4-Trimethylbenzene	0.0184		0.00192	0.00608	1	04/22/2020 18:43	WG1464831
1,2,3-Trimethylbenzene	0.00490	J	0.00192	0.00608	1	04/22/2020 18:43	WG1464831
1,3,5-Trimethylbenzene	U		0.00243	0.00608	1	04/22/2020 18:43	WG1464831
Vinyl acetate	U		0.00309	0.0152	1	04/22/2020 18:43	WG1464831
Vinyl chloride	U	J4	0.00141	0.00304	1	04/22/2020 18:43	WG1464831
Xylenes, Total	0.00677	J	0.00107	0.00791	1	04/22/2020 18:43	WG1464831
(S) Toluene-d8	*106*			*75.0-131*		*04/22/2020 18:43*	WG1464831
(S) Toluene-d8	*106*			*75.0-131*		*04/27/2020 23:52*	WG1466991
(S) 4-Bromofluorobenzene	*136*			*67.0-138*		*04/22/2020 18:43*	WG1464831
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*04/27/2020 23:52*	WG1466991
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/22/2020 18:43*	WG1464831
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*04/27/2020 23:52*	WG1466991

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.8		1	04/27/2020 12:02	WG1465756

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	644		3.82	11.3	100	04/23/2020 18:34	WG1465276
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*		*04/23/2020 18:34*	WG1465276

Sample Narrative:

L1210278-04 WG1465276: No discernable petroleum pattern present.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.329	0.450	8	04/23/2020 00:43	WG1464831
Acrylonitrile	U		0.0325	0.113	8	04/23/2020 00:43	WG1464831
Benzene	U		0.00421	0.00900	8	04/23/2020 00:43	WG1464831
Bromobenzene	U		0.00810	0.113	8	04/23/2020 00:43	WG1464831
Bromodichloromethane	U		0.00653	0.0225	8	04/23/2020 00:43	WG1464831
Bromochloromethane	U		0.00508	0.0450	8	04/23/2020 00:43	WG1464831
Bromoform	U		0.0105	0.225	8	04/23/2020 00:43	WG1464831
Bromomethane	U		0.0178	0.113	8	04/23/2020 00:43	WG1464831
n-Butylbenzene	1.02		0.0473	0.113	8	04/23/2020 00:43	WG1464831
sec-Butylbenzene	0.665		0.0259	0.113	8	04/23/2020 00:43	WG1464831
tert-Butylbenzene	0.0421	J	0.0176	0.0450	8	04/23/2020 00:43	WG1464831
Carbon disulfide	U		0.00630	0.113	8	04/23/2020 00:43	WG1464831
Carbon tetrachloride	U		0.00808	0.0450	8	04/23/2020 00:43	WG1464831
Chlorobenzene	0.0633		0.00189	0.0225	8	04/23/2020 00:43	WG1464831
Chlorodibromomethane	U	J4	0.00552	0.0225	8	04/23/2020 00:43	WG1464831
Chloroethane	U		0.0153	0.0450	8	04/23/2020 00:43	WG1464831
Chloroform	U		0.00927	0.0225	8	04/23/2020 00:43	WG1464831
Chloromethane	U		0.0392	0.113	8	04/23/2020 00:43	WG1464831
2-Chlorotoluene	U		0.00779	0.0225	8	04/23/2020 00:43	WG1464831
4-Chlorotoluene	U		0.00405	0.0450	8	04/23/2020 00:43	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.0351	0.225	8	04/23/2020 00:43	WG1464831
1,2-Dibromoethane	U		0.00583	0.0225	8	04/23/2020 00:43	WG1464831
Dibromomethane	U		0.00675	0.0450	8	04/23/2020 00:43	WG1464831
1,2-Dichlorobenzene	0.196		0.00383	0.0450	8	04/23/2020 00:43	WG1464831
1,3-Dichlorobenzene	0.0133	J	0.00540	0.0450	8	04/23/2020 00:43	WG1464831
1,4-Dichlorobenzene	0.0559		0.00630	0.0450	8	04/23/2020 00:43	WG1464831
Dichlorodifluoromethane	U		0.0145	0.0225	8	04/23/2020 00:43	WG1464831
1,1-Dichloroethane	U		0.00442	0.0225	8	04/23/2020 00:43	WG1464831
1,2-Dichloroethane	U		0.00584	0.0225	8	04/23/2020 00:43	WG1464831
1,1-Dichloroethene	U		0.00546	0.0225	8	04/23/2020 00:43	WG1464831
cis-1,2-Dichloroethene	U		0.00661	0.0225	8	04/23/2020 00:43	WG1464831
trans-1,2-Dichloroethene	U		0.00936	0.0450	8	04/23/2020 00:43	WG1464831
1,2-Dichloropropane	U		0.0128	0.0450	8	04/23/2020 00:43	WG1464831
1,1-Dichloropropene	U		0.00728	0.0225	8	04/23/2020 00:43	WG1464831
1,3-Dichloropropane	U		0.00451	0.0450	8	04/23/2020 00:43	WG1464831
cis-1,3-Dichloropropene	U		0.00682	0.0225	8	04/23/2020 00:43	WG1464831
trans-1,3-Dichloropropene	U		0.0103	0.0450	8	04/23/2020 00:43	WG1464831
trans-1,4-Dichloro-2-butene	0.332		0.0168	0.0450	8	04/23/2020 00:43	WG1464831
2,2-Dichloropropane	U	J4	0.0124	0.0225	8	04/23/2020 00:43	WG1464831
Di-isopropyl ether	U		0.00369	0.00900	8	04/23/2020 00:43	WG1464831
Ethylbenzene	U		0.00664	0.0225	8	04/23/2020 00:43	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.0540	0.225	8	04/23/2020 00:43	WG1464831
2-Hexanone	U		0.0303	0.225	8	04/23/2020 00:43	WG1464831
n-Hexane	0.0312	J J0	0.0204	0.0450	8	04/23/2020 00:43	WG1464831
Iodomethane	U		0.0209	0.113	8	04/23/2020 00:43	WG1464831
Isopropylbenzene	0.294		0.00383	0.0225	8	04/23/2020 00:43	WG1464831
p-Isopropyltoluene	U		0.0230	0.0450	8	04/23/2020 00:43	WG1464831
2-Butanone (MEK)	U		0.572	0.900	8	04/23/2020 00:43	WG1464831
Methylene Chloride	U		0.0598	0.225	8	04/23/2020 00:43	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.0205	0.225	8	04/23/2020 00:43	WG1464831
Methyl tert-butyl ether	U		0.00315	0.00900	8	04/23/2020 00:43	WG1464831
Naphthalene	U		0.0439	0.113	8	04/23/2020 00:43	WG1464831
n-Propylbenzene	0.934		0.00855	0.0450	8	04/23/2020 00:43	WG1464831
Styrene	U		0.00206	0.113	8	04/23/2020 00:43	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00853	0.0225	8	04/23/2020 00:43	WG1464831
1,1,2,2-Tetrachloroethane	U		0.00626	0.0225	8	04/23/2020 00:43	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.00679	0.0225	8	04/23/2020 00:43	WG1464831
Tetrachloroethene	U		0.00807	0.0225	8	04/23/2020 00:43	WG1464831
Toluene	U		0.0117	0.0450	8	04/23/2020 00:43	WG1464831
1,2,3-Trichlorobenzene	U		0.0660	0.113	8	04/28/2020 00:11	WG1466991
1,2,4-Trichlorobenzene	U		0.0396	0.113	8	04/23/2020 00:43	WG1464831
1,1,1-Trichloroethane	U		0.00831	0.0225	8	04/23/2020 00:43	WG1464831
1,1,2-Trichloroethane	U		0.00538	0.0225	8	04/23/2020 00:43	WG1464831
Trichloroethene	U		0.00526	0.00900	8	04/23/2020 00:43	WG1464831
Trichlorofluoromethane	U		0.00745	0.0225	8	04/23/2020 00:43	WG1464831
1,2,3-Trichloropropane	U		0.0146	0.113	8	04/23/2020 00:43	WG1464831
1,2,4-Trimethylbenzene	0.0369	J	0.0142	0.0450	8	04/23/2020 00:43	WG1464831
1,2,3-Trimethylbenzene	0.160		0.0142	0.0450	8	04/23/2020 00:43	WG1464831
1,3,5-Trimethylbenzene	U		0.0180	0.0450	8	04/23/2020 00:43	WG1464831
Vinyl acetate	U		0.0228	0.113	8	04/23/2020 00:43	WG1464831
Vinyl chloride	U	J4	0.0104	0.0225	8	04/23/2020 00:43	WG1464831
Xylenes, Total	0.0684		0.00792	0.0585	8	04/23/2020 00:43	WG1464831
(S) Toluene-d8	*101*			*75.0-131*		*04/23/2020 00:43*	WG1464831
(S) Toluene-d8	*104*			*75.0-131*		*04/28/2020 00:11*	WG1466991
(S) 4-Bromofluorobenzene	*134*			*67.0-138*		*04/23/2020 00:43*	WG1464831
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*04/28/2020 00:11*	WG1466991
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*04/23/2020 00:43*	WG1464831
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*04/28/2020 00:11*	WG1466991

Sample Narrative:

L1210278-04 WG1464831: NT too high to run lower

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.8		1	04/27/2020 12:02	WG1465756

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	16.5	B	0.876	2.58	25	04/23/2020 18:57	WG1465276
(S) a,a,a-Trifluorotoluene(FID)	*107*			*77.0-120*		*04/23/2020 18:57*	WG1465276

Sample Narrative:

L1210278-05 WG1465276: No discernable petroleum pattern present.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0377	0.0517	1	04/22/2020 19:03	WG1464831
Acrylonitrile	U		0.00373	0.0129	1	04/22/2020 19:03	WG1464831
Benzene	U		0.000483	0.00103	1	04/22/2020 19:03	WG1464831
Bromobenzene	U		0.000930	0.0129	1	04/22/2020 19:03	WG1464831
Bromodichloromethane	U		0.000749	0.00258	1	04/22/2020 19:03	WG1464831
Bromochloromethane	U		0.000583	0.00517	1	04/22/2020 19:03	WG1464831
Bromoform	U		0.00121	0.0258	1	04/22/2020 19:03	WG1464831
Bromomethane	U		0.00204	0.0129	1	04/22/2020 19:03	WG1464831
n-Butylbenzene	0.00543	J	0.00543	0.0129	1	04/22/2020 19:03	WG1464831
sec-Butylbenzene	0.00442	J	0.00298	0.0129	1	04/22/2020 19:03	WG1464831
tert-Butylbenzene	U		0.00202	0.00517	1	04/22/2020 19:03	WG1464831
Carbon disulfide	U		0.000723	0.0129	1	04/22/2020 19:03	WG1464831
Carbon tetrachloride	U		0.000928	0.00517	1	04/22/2020 19:03	WG1464831
Chlorobenzene	0.000622	J	0.000217	0.00258	1	04/22/2020 19:03	WG1464831
Chlorodibromomethane	U	J4	0.000632	0.00258	1	04/22/2020 19:03	WG1464831
Chloroethane	U		0.00176	0.00517	1	04/22/2020 19:03	WG1464831
Chloroform	0.00131	B J	0.00106	0.00258	1	04/22/2020 19:03	WG1464831
Chloromethane	U		0.00450	0.0129	1	04/22/2020 19:03	WG1464831
2-Chlorotoluene	U		0.000894	0.00258	1	04/22/2020 19:03	WG1464831
4-Chlorotoluene	U		0.000465	0.00517	1	04/22/2020 19:03	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00403	0.0258	1	04/22/2020 19:03	WG1464831
1,2-Dibromoethane	U		0.000670	0.00258	1	04/22/2020 19:03	WG1464831
Dibromomethane	U		0.000775	0.00517	1	04/22/2020 19:03	WG1464831
1,2-Dichlorobenzene	0.00804		0.000439	0.00517	1	04/22/2020 19:03	WG1464831
1,3-Dichlorobenzene	U		0.000620	0.00517	1	04/22/2020 19:03	WG1464831
1,4-Dichlorobenzene	0.00271	J	0.000723	0.00517	1	04/22/2020 19:03	WG1464831
Dichlorodifluoromethane	U		0.00166	0.00258	1	04/22/2020 19:03	WG1464831
1,1-Dichloroethane	U		0.000507	0.00258	1	04/22/2020 19:03	WG1464831
1,2-Dichloroethane	U		0.000671	0.00258	1	04/22/2020 19:03	WG1464831
1,1-Dichloroethene	U		0.000626	0.00258	1	04/22/2020 19:03	WG1464831
cis-1,2-Dichloroethene	U		0.000759	0.00258	1	04/22/2020 19:03	WG1464831
trans-1,2-Dichloroethene	U		0.00107	0.00517	1	04/22/2020 19:03	WG1464831
1,2-Dichloropropane	U		0.00147	0.00517	1	04/22/2020 19:03	WG1464831
1,1-Dichloropropene	U		0.000836	0.00258	1	04/22/2020 19:03	WG1464831
1,3-Dichloropropane	U		0.000518	0.00517	1	04/22/2020 19:03	WG1464831
cis-1,3-Dichloropropene	U		0.000782	0.00258	1	04/22/2020 19:03	WG1464831
trans-1,3-Dichloropropene	U		0.00118	0.00517	1	04/22/2020 19:03	WG1464831
trans-1,4-Dichloro-2-butene	0.00324	J	0.00192	0.00517	1	04/22/2020 19:03	WG1464831
2,2-Dichloropropane	U	J4	0.00143	0.00258	1	04/22/2020 19:03	WG1464831
Di-isopropyl ether	U		0.000424	0.00103	1	04/22/2020 19:03	WG1464831
Ethylbenzene	0.00116	J	0.000762	0.00258	1	04/22/2020 19:03	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.00620	0.0258	1	04/22/2020 19:03	WG1464831
2-Hexanone	U		0.00347	0.0258	1	04/22/2020 19:03	WG1464831
n-Hexane	U		0.00234	0.00517	1	04/22/2020 19:03	WG1464831
Iodomethane	U		0.00240	0.0129	1	04/22/2020 19:03	WG1464831
Isopropylbenzene	0.00207	J	0.000439	0.00258	1	04/22/2020 19:03	WG1464831
p-Isopropyltoluene	0.0361		0.00264	0.00517	1	04/22/2020 19:03	WG1464831
2-Butanone (MEK)	U		0.0656	0.103	1	04/22/2020 19:03	WG1464831
Methylene Chloride	U		0.00686	0.0258	1	04/22/2020 19:03	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00236	0.0258	1	04/22/2020 19:03	WG1464831
Methyl tert-butyl ether	U		0.000362	0.00103	1	04/22/2020 19:03	WG1464831
Naphthalene	0.0113	J	0.00504	0.0129	1	04/22/2020 19:03	WG1464831
n-Propylbenzene	0.00433	J	0.000982	0.00517	1	04/22/2020 19:03	WG1464831
Styrene	0.00349	J	0.000237	0.0129	1	04/22/2020 19:03	WG1464831
1,1,1,2-Tetrachloroethane	U		0.000980	0.00258	1	04/22/2020 19:03	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000718	0.00258	1	04/22/2020 19:03	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000779	0.00258	1	04/22/2020 19:03	WG1464831
Tetrachloroethene	U		0.000926	0.00258	1	04/22/2020 19:03	WG1464831
Toluene	0.0102		0.00134	0.00517	1	04/22/2020 19:03	WG1464831
1,2,3-Trichlorobenzene	U		0.00757	0.0129	1	04/28/2020 00:30	WG1466991
1,2,4-Trichlorobenzene	U		0.00455	0.0129	1	04/22/2020 19:03	WG1464831
1,1,1-Trichloroethane	U		0.000954	0.00258	1	04/22/2020 19:03	WG1464831
1,1,2-Trichloroethane	U		0.000617	0.00258	1	04/22/2020 19:03	WG1464831
Trichloroethene	U		0.000604	0.00103	1	04/22/2020 19:03	WG1464831
Trichlorofluoromethane	U		0.000855	0.00258	1	04/22/2020 19:03	WG1464831
1,2,3-Trichloropropane	U		0.00167	0.0129	1	04/22/2020 19:03	WG1464831
1,2,4-Trimethylbenzene	0.00333	J	0.00163	0.00517	1	04/22/2020 19:03	WG1464831
1,2,3-Trimethylbenzene	U		0.00163	0.00517	1	04/22/2020 19:03	WG1464831
1,3,5-Trimethylbenzene	U		0.00207	0.00517	1	04/22/2020 19:03	WG1464831
Vinyl acetate	U		0.00262	0.0129	1	04/22/2020 19:03	WG1464831
Vinyl chloride	U	J4	0.00120	0.00258	1	04/22/2020 19:03	WG1464831
Xylenes, Total	0.00349	J	0.000909	0.00672	1	04/22/2020 19:03	WG1464831
(S) Toluene-d8	*105*			*75.0-131*		*04/22/2020 19:03*	WG1464831
(S) Toluene-d8	*108*			*75.0-131*		*04/28/2020 00:30*	WG1466991
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*04/22/2020 19:03*	WG1464831
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*04/28/2020 00:30*	WG1466991
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*04/22/2020 19:03*	WG1464831
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*04/28/2020 00:30*	WG1466991

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.0		1	04/27/2020 12:02	WG1465756

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	3.93	B	1.01	2.98	25	04/23/2020 19:19	WG1465276
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*		*04/23/2020 19:19*	WG1465276

Sample Narrative:

L1210278-06 WG1465276: No discernable petroleum pattern present.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0434	0.0595	1	04/22/2020 19:23	WG1464831
Acrylonitrile	U		0.00430	0.0149	1	04/22/2020 19:23	WG1464831
Benzene	0.00177		0.000556	0.00119	1	04/22/2020 19:23	WG1464831
Bromobenzene	U		0.00107	0.0149	1	04/22/2020 19:23	WG1464831
Bromodichloromethane	U		0.000863	0.00298	1	04/22/2020 19:23	WG1464831
Bromochloromethane	U		0.000671	0.00595	1	04/22/2020 19:23	WG1464831
Bromoform	U		0.00139	0.0298	1	04/22/2020 19:23	WG1464831
Bromomethane	U		0.00234	0.0149	1	04/22/2020 19:23	WG1464831
n-Butylbenzene	U		0.00625	0.0149	1	04/22/2020 19:23	WG1464831
sec-Butylbenzene	U		0.00343	0.0149	1	04/22/2020 19:23	WG1464831
tert-Butylbenzene	U		0.00232	0.00595	1	04/22/2020 19:23	WG1464831
Carbon disulfide	0.00530	J	0.000833	0.0149	1	04/22/2020 19:23	WG1464831
Carbon tetrachloride	U		0.00107	0.00595	1	04/22/2020 19:23	WG1464831
Chlorobenzene	U		0.000250	0.00298	1	04/22/2020 19:23	WG1464831
Chlorodibromomethane	U	J4	0.000728	0.00298	1	04/22/2020 19:23	WG1464831
Chloroethane	U		0.00202	0.00595	1	04/22/2020 19:23	WG1464831
Chloroform	U		0.00123	0.00298	1	04/22/2020 19:23	WG1464831
Chloromethane	U		0.00518	0.0149	1	04/22/2020 19:23	WG1464831
2-Chlorotoluene	U		0.00103	0.00298	1	04/22/2020 19:23	WG1464831
4-Chlorotoluene	U		0.000536	0.00595	1	04/22/2020 19:23	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00464	0.0298	1	04/22/2020 19:23	WG1464831
1,2-Dibromoethane	U		0.000771	0.00298	1	04/22/2020 19:23	WG1464831
Dibromomethane	U		0.000893	0.00595	1	04/22/2020 19:23	WG1464831
1,2-Dichlorobenzene	U		0.000506	0.00595	1	04/22/2020 19:23	WG1464831
1,3-Dichlorobenzene	U		0.000714	0.00595	1	04/22/2020 19:23	WG1464831
1,4-Dichlorobenzene	U		0.000833	0.00595	1	04/22/2020 19:23	WG1464831
Dichlorodifluoromethane	U		0.00192	0.00298	1	04/22/2020 19:23	WG1464831
1,1-Dichloroethane	U		0.000584	0.00298	1	04/22/2020 19:23	WG1464831
1,2-Dichloroethane	U		0.000773	0.00298	1	04/22/2020 19:23	WG1464831
1,1-Dichloroethene	U		0.000721	0.00298	1	04/22/2020 19:23	WG1464831
cis-1,2-Dichloroethene	U		0.000874	0.00298	1	04/22/2020 19:23	WG1464831
trans-1,2-Dichloroethene	U		0.00124	0.00595	1	04/22/2020 19:23	WG1464831
1,2-Dichloropropane	U		0.00169	0.00595	1	04/22/2020 19:23	WG1464831
1,1-Dichloropropene	U		0.000963	0.00298	1	04/22/2020 19:23	WG1464831
1,3-Dichloropropane	U		0.000596	0.00595	1	04/22/2020 19:23	WG1464831
cis-1,3-Dichloropropene	U		0.000901	0.00298	1	04/22/2020 19:23	WG1464831
trans-1,3-Dichloropropene	U		0.00136	0.00595	1	04/22/2020 19:23	WG1464831
trans-1,4-Dichloro-2-butene	U		0.00221	0.00595	1	04/22/2020 19:23	WG1464831
2,2-Dichloropropane	U	J4	0.00164	0.00298	1	04/22/2020 19:23	WG1464831
Di-isopropyl ether	U		0.000488	0.00119	1	04/22/2020 19:23	WG1464831
Ethylbenzene	U		0.000877	0.00298	1	04/22/2020 19:23	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.00714	0.0298	1	04/22/2020 19:23	WG1464831
2-Hexanone	U		0.00400	0.0298	1	04/22/2020 19:23	WG1464831
n-Hexane	U		0.00269	0.00595	1	04/22/2020 19:23	WG1464831
Iodomethane	U		0.00276	0.0149	1	04/22/2020 19:23	WG1464831
Isopropylbenzene	U		0.000506	0.00298	1	04/22/2020 19:23	WG1464831
p-Isopropyltoluene	0.0110		0.00304	0.00595	1	04/22/2020 19:23	WG1464831
2-Butanone (MEK)	U		0.0756	0.119	1	04/22/2020 19:23	WG1464831
Methylene Chloride	U		0.00790	0.0298	1	04/22/2020 19:23	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00271	0.0298	1	04/22/2020 19:23	WG1464831
Methyl tert-butyl ether	U		0.000417	0.00119	1	04/22/2020 19:23	WG1464831
Naphthalene	0.00793	J	0.00581	0.0149	1	04/22/2020 19:23	WG1464831
n-Propylbenzene	U		0.00113	0.00595	1	04/22/2020 19:23	WG1464831
Styrene	U		0.000273	0.0149	1	04/22/2020 19:23	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00113	0.00298	1	04/22/2020 19:23	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000827	0.00298	1	04/22/2020 19:23	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000897	0.00298	1	04/22/2020 19:23	WG1464831
Tetrachloroethene	U		0.00107	0.00298	1	04/22/2020 19:23	WG1464831
Toluene	U		0.00155	0.00595	1	04/22/2020 19:23	WG1464831
1,2,3-Trichlorobenzene	U		0.00872	0.0149	1	04/28/2020 00:49	WG1466991
1,2,4-Trichlorobenzene	U		0.00524	0.0149	1	04/22/2020 19:23	WG1464831
1,1,1-Trichloroethane	U		0.00110	0.00298	1	04/22/2020 19:23	WG1464831
1,1,2-Trichloroethane	U		0.000711	0.00298	1	04/22/2020 19:23	WG1464831
Trichloroethene	U		0.000695	0.00119	1	04/22/2020 19:23	WG1464831
Trichlorofluoromethane	U		0.000984	0.00298	1	04/22/2020 19:23	WG1464831
1,2,3-Trichloropropane	U		0.00193	0.0149	1	04/22/2020 19:23	WG1464831
1,2,4-Trimethylbenzene	U		0.00188	0.00595	1	04/22/2020 19:23	WG1464831
1,2,3-Trimethylbenzene	U		0.00188	0.00595	1	04/22/2020 19:23	WG1464831
1,3,5-Trimethylbenzene	U		0.00238	0.00595	1	04/22/2020 19:23	WG1464831
Vinyl acetate	U		0.00302	0.0149	1	04/22/2020 19:23	WG1464831
Vinyl chloride	U	J4	0.00138	0.00298	1	04/22/2020 19:23	WG1464831
Xylenes, Total	0.00275	J	0.00105	0.00774	1	04/22/2020 19:23	WG1464831
(S) Toluene-d8	*103*			*75.0-131*		*04/22/2020 19:23*	WG1464831
(S) Toluene-d8	*107*			*75.0-131*		*04/28/2020 00:49*	WG1466991
(S) 4-Bromofluorobenzene	*98.5*			*67.0-138*		*04/22/2020 19:23*	WG1464831
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*04/28/2020 00:49*	WG1466991
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*04/22/2020 19:23*	WG1464831
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*04/28/2020 00:49*	WG1466991

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.9		1	04/27/2020 12:02	WG1465756

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0430	0.0589	1	04/22/2020 19:43	WG1464831
Acrylonitrile	U		0.00425	0.0147	1	04/22/2020 19:43	WG1464831
Benzene	0.000841	J	0.000550	0.00118	1	04/22/2020 19:43	WG1464831
Bromobenzene	U		0.00106	0.0147	1	04/22/2020 19:43	WG1464831
Bromodichloromethane	U		0.000854	0.00294	1	04/22/2020 19:43	WG1464831
Bromochloromethane	U		0.000664	0.00589	1	04/22/2020 19:43	WG1464831
Bromoform	U		0.00138	0.0294	1	04/22/2020 19:43	WG1464831
Bromomethane	U		0.00232	0.0147	1	04/22/2020 19:43	WG1464831
n-Butylbenzene	U		0.00618	0.0147	1	04/22/2020 19:43	WG1464831
sec-Butylbenzene	U		0.00339	0.0147	1	04/22/2020 19:43	WG1464831
tert-Butylbenzene	U		0.00230	0.00589	1	04/22/2020 19:43	WG1464831
Carbon disulfide	0.00314	J	0.000824	0.0147	1	04/22/2020 19:43	WG1464831
Carbon tetrachloride	U		0.00106	0.00589	1	04/22/2020 19:43	WG1464831
Chlorobenzene	U		0.000247	0.00294	1	04/22/2020 19:43	WG1464831
Chlorodibromomethane	U	J4	0.000721	0.00294	1	04/22/2020 19:43	WG1464831
Chloroethane	U		0.00200	0.00589	1	04/22/2020 19:43	WG1464831
Chloroform	U		0.00121	0.00294	1	04/22/2020 19:43	WG1464831
Chloromethane	U		0.00512	0.0147	1	04/22/2020 19:43	WG1464831
2-Chlorotoluene	U		0.00102	0.00294	1	04/22/2020 19:43	WG1464831
4-Chlorotoluene	U		0.000530	0.00589	1	04/22/2020 19:43	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00459	0.0294	1	04/22/2020 19:43	WG1464831
1,2-Dibromoethane	U		0.000763	0.00294	1	04/22/2020 19:43	WG1464831
Dibromomethane	U		0.000883	0.00589	1	04/22/2020 19:43	WG1464831
1,2-Dichlorobenzene	U		0.000501	0.00589	1	04/22/2020 19:43	WG1464831
1,3-Dichlorobenzene	U		0.000707	0.00589	1	04/22/2020 19:43	WG1464831
1,4-Dichlorobenzene	U		0.000824	0.00589	1	04/22/2020 19:43	WG1464831
Dichlorodifluoromethane	U		0.00190	0.00294	1	04/22/2020 19:43	WG1464831
1,1-Dichloroethane	U		0.000578	0.00294	1	04/22/2020 19:43	WG1464831
1,2-Dichloroethane	U		0.000764	0.00294	1	04/22/2020 19:43	WG1464831
1,1-Dichloroethene	U		0.000714	0.00294	1	04/22/2020 19:43	WG1464831
cis-1,2-Dichloroethene	U		0.000865	0.00294	1	04/22/2020 19:43	WG1464831
trans-1,2-Dichloroethene	U		0.00122	0.00589	1	04/22/2020 19:43	WG1464831
1,2-Dichloropropane	U		0.00167	0.00589	1	04/22/2020 19:43	WG1464831
1,1-Dichloropropene	U		0.000953	0.00294	1	04/22/2020 19:43	WG1464831
1,3-Dichloropropane	U		0.000590	0.00589	1	04/22/2020 19:43	WG1464831
cis-1,3-Dichloropropene	U		0.000892	0.00294	1	04/22/2020 19:43	WG1464831
trans-1,3-Dichloropropene	U		0.00134	0.00589	1	04/22/2020 19:43	WG1464831
trans-1,4-Dichloro-2-butene	0.00254	J	0.00219	0.00589	1	04/22/2020 19:43	WG1464831
2,2-Dichloropropane	U	J4	0.00163	0.00294	1	04/22/2020 19:43	WG1464831
Di-isopropyl ether	U		0.000483	0.00118	1	04/22/2020 19:43	WG1464831
Ethylbenzene	U		0.000868	0.00294	1	04/22/2020 19:43	WG1464831
Hexachloro-1,3-butadiene	U		0.00707	0.0294	1	04/22/2020 19:43	WG1464831
2-Hexanone	U		0.00396	0.0294	1	04/22/2020 19:43	WG1464831
n-Hexane	U		0.00266	0.00589	1	04/22/2020 19:43	WG1464831
Iodomethane	U		0.00273	0.0147	1	04/22/2020 19:43	WG1464831
Isopropylbenzene	U		0.000501	0.00294	1	04/22/2020 19:43	WG1464831
p-Isopropyltoluene	0.00844		0.00300	0.00589	1	04/22/2020 19:43	WG1464831
2-Butanone (MEK)	U		0.0748	0.118	1	04/22/2020 19:43	WG1464831
Methylene Chloride	U		0.00782	0.0294	1	04/22/2020 19:43	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00269	0.0294	1	04/22/2020 19:43	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000412	0.00118	1	04/22/2020 19:43	WG1464831
Naphthalene	U		0.00575	0.0147	1	04/22/2020 19:43	WG1464831
n-Propylbenzene	U		0.00112	0.00589	1	04/22/2020 19:43	WG1464831
Styrene	U		0.000270	0.0147	1	04/22/2020 19:43	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00112	0.00294	1	04/22/2020 19:43	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000819	0.00294	1	04/22/2020 19:43	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000888	0.00294	1	04/22/2020 19:43	WG1464831
Tetrachloroethene	U		0.00106	0.00294	1	04/22/2020 19:43	WG1464831
Toluene	0.00446	J	0.00153	0.00589	1	04/22/2020 19:43	WG1464831
1,2,3-Trichlorobenzene	U		0.00863	0.0147	1	04/28/2020 01:08	WG1466991
1,2,4-Trichlorobenzene	U		0.00518	0.0147	1	04/22/2020 19:43	WG1464831
1,1,1-Trichloroethane	U		0.00109	0.00294	1	04/22/2020 19:43	WG1464831
1,1,2-Trichloroethane	U		0.000703	0.00294	1	04/22/2020 19:43	WG1464831
Trichloroethene	U		0.000688	0.00118	1	04/22/2020 19:43	WG1464831
Trichlorofluoromethane	U		0.000974	0.00294	1	04/22/2020 19:43	WG1464831
1,2,3-Trichloropropane	U		0.00191	0.0147	1	04/22/2020 19:43	WG1464831
1,2,4-Trimethylbenzene	U		0.00186	0.00589	1	04/22/2020 19:43	WG1464831
1,2,3-Trimethylbenzene	U		0.00186	0.00589	1	04/22/2020 19:43	WG1464831
1,3,5-Trimethylbenzene	U		0.00236	0.00589	1	04/22/2020 19:43	WG1464831
Vinyl acetate	U		0.00299	0.0147	1	04/22/2020 19:43	WG1464831
Vinyl chloride	U	J4	0.00137	0.00294	1	04/22/2020 19:43	WG1464831
Xylenes, Total	0.00171	J	0.00104	0.00766	1	04/22/2020 19:43	WG1464831
(S) Toluene-d8	*107*			*75.0-131*		*04/22/2020 19:43*	WG1464831
(S) Toluene-d8	*105*			*75.0-131*		*04/28/2020 01:08*	WG1466991
(S) 4-Bromofluorobenzene	*99.7*			*67.0-138*		*04/22/2020 19:43*	WG1464831
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*04/28/2020 01:08*	WG1466991
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*04/22/2020 19:43*	WG1464831
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/28/2020 01:08*	WG1466991

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.1		1	04/27/2020 12:02	WG1465756

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0461	0.0632	1	04/22/2020 20:03	WG1464831
Acrylonitrile	U		0.00456	0.0158	1	04/22/2020 20:03	WG1464831
Benzene	U		0.000590	0.00126	1	04/22/2020 20:03	WG1464831
Bromobenzene	U		0.00114	0.0158	1	04/22/2020 20:03	WG1464831
Bromodichloromethane	U		0.000916	0.00316	1	04/22/2020 20:03	WG1464831
Bromochloromethane	U		0.000713	0.00632	1	04/22/2020 20:03	WG1464831
Bromoform	U		0.00148	0.0316	1	04/22/2020 20:03	WG1464831
Bromomethane	U		0.00249	0.0158	1	04/22/2020 20:03	WG1464831
n-Butylbenzene	U		0.00664	0.0158	1	04/22/2020 20:03	WG1464831
sec-Butylbenzene	U		0.00364	0.0158	1	04/22/2020 20:03	WG1464831
tert-Butylbenzene	U		0.00246	0.00632	1	04/22/2020 20:03	WG1464831
Carbon disulfide	U		0.000885	0.0158	1	04/22/2020 20:03	WG1464831
Carbon tetrachloride	U		0.00114	0.00632	1	04/22/2020 20:03	WG1464831
Chlorobenzene	U		0.000265	0.00316	1	04/22/2020 20:03	WG1464831
Chlorodibromomethane	U	J4	0.000774	0.00316	1	04/22/2020 20:03	WG1464831
Chloroethane	U		0.00215	0.00632	1	04/22/2020 20:03	WG1464831
Chloroform	U		0.00130	0.00316	1	04/22/2020 20:03	WG1464831
Chloromethane	U		0.00550	0.0158	1	04/22/2020 20:03	WG1464831
2-Chlorotoluene	U		0.00109	0.00316	1	04/22/2020 20:03	WG1464831
4-Chlorotoluene	U		0.000569	0.00632	1	04/22/2020 20:03	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00493	0.0316	1	04/22/2020 20:03	WG1464831
1,2-Dibromoethane	U		0.000819	0.00316	1	04/22/2020 20:03	WG1464831
Dibromomethane	U		0.000948	0.00632	1	04/22/2020 20:03	WG1464831
1,2-Dichlorobenzene	U		0.000537	0.00632	1	04/22/2020 20:03	WG1464831
1,3-Dichlorobenzene	U		0.000758	0.00632	1	04/22/2020 20:03	WG1464831
1,4-Dichlorobenzene	U		0.000885	0.00632	1	04/22/2020 20:03	WG1464831
Dichlorodifluoromethane	U		0.00204	0.00316	1	04/22/2020 20:03	WG1464831
1,1-Dichloroethane	U		0.000621	0.00316	1	04/22/2020 20:03	WG1464831
1,2-Dichloroethane	U		0.000820	0.00316	1	04/22/2020 20:03	WG1464831
1,1-Dichloroethene	U		0.000766	0.00316	1	04/22/2020 20:03	WG1464831
cis-1,2-Dichloroethene	U		0.000928	0.00316	1	04/22/2020 20:03	WG1464831
trans-1,2-Dichloroethene	U		0.00131	0.00632	1	04/22/2020 20:03	WG1464831
1,2-Dichloropropane	U		0.00179	0.00632	1	04/22/2020 20:03	WG1464831
1,1-Dichloropropene	U		0.00102	0.00316	1	04/22/2020 20:03	WG1464831
1,3-Dichloropropane	U		0.000633	0.00632	1	04/22/2020 20:03	WG1464831
cis-1,3-Dichloropropene	U		0.000957	0.00316	1	04/22/2020 20:03	WG1464831
trans-1,3-Dichloropropene	U		0.00144	0.00632	1	04/22/2020 20:03	WG1464831
trans-1,4-Dichloro-2-butene	U		0.00235	0.00632	1	04/22/2020 20:03	WG1464831
2,2-Dichloropropane	U	J4	0.00174	0.00316	1	04/22/2020 20:03	WG1464831
Di-isopropyl ether	U		0.000518	0.00126	1	04/22/2020 20:03	WG1464831
Ethylbenzene	U		0.000932	0.00316	1	04/22/2020 20:03	WG1464831
Hexachloro-1,3-butadiene	U		0.00758	0.0316	1	04/22/2020 20:03	WG1464831
2-Hexanone	U		0.00425	0.0316	1	04/22/2020 20:03	WG1464831
n-Hexane	U		0.00286	0.00632	1	04/22/2020 20:03	WG1464831
Iodomethane	U		0.00293	0.0158	1	04/22/2020 20:03	WG1464831
Isopropylbenzene	U		0.000537	0.00316	1	04/22/2020 20:03	WG1464831
p-Isopropyltoluene	U		0.00322	0.00632	1	04/22/2020 20:03	WG1464831
2-Butanone (MEK)	U		0.0803	0.126	1	04/22/2020 20:03	WG1464831
Methylene Chloride	U		0.00839	0.0316	1	04/22/2020 20:03	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00288	0.0316	1	04/22/2020 20:03	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000442	0.00126	1	04/22/2020 20:03	WG1464831
Naphthalene	U		0.00617	0.0158	1	04/22/2020 20:03	WG1464831
n-Propylbenzene	U		0.00120	0.00632	1	04/22/2020 20:03	WG1464831
Styrene	U		0.000289	0.0158	1	04/22/2020 20:03	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00120	0.00316	1	04/22/2020 20:03	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000878	0.00316	1	04/22/2020 20:03	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000953	0.00316	1	04/22/2020 20:03	WG1464831
Tetrachloroethene	U		0.00113	0.00316	1	04/22/2020 20:03	WG1464831
Toluene	U		0.00164	0.00632	1	04/22/2020 20:03	WG1464831
1,2,3-Trichlorobenzene	U		0.00926	0.0158	1	04/28/2020 01:28	WG1466991
1,2,4-Trichlorobenzene	U		0.00556	0.0158	1	04/22/2020 20:03	WG1464831
1,1,1-Trichloroethane	U		0.00117	0.00316	1	04/22/2020 20:03	WG1464831
1,1,2-Trichloroethane	U		0.000755	0.00316	1	04/22/2020 20:03	WG1464831
Trichloroethene	U		0.000738	0.00126	1	04/22/2020 20:03	WG1464831
Trichlorofluoromethane	U		0.00105	0.00316	1	04/22/2020 20:03	WG1464831
1,2,3-Trichloropropane	U		0.00205	0.0158	1	04/22/2020 20:03	WG1464831
1,2,4-Trimethylbenzene	U		0.00200	0.00632	1	04/22/2020 20:03	WG1464831
1,2,3-Trimethylbenzene	U		0.00200	0.00632	1	04/22/2020 20:03	WG1464831
1,3,5-Trimethylbenzene	U		0.00253	0.00632	1	04/22/2020 20:03	WG1464831
Vinyl acetate	U		0.00321	0.0158	1	04/22/2020 20:03	WG1464831
Vinyl chloride	U	J4	0.00147	0.00316	1	04/22/2020 20:03	WG1464831
Xylenes, Total	U		0.00111	0.00822	1	04/22/2020 20:03	WG1464831
(S) Toluene-d8	*105*			*75.0-131*		*04/22/2020 20:03*	WG1464831
(S) Toluene-d8	*104*			*75.0-131*		*04/28/2020 01:28*	WG1466991
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*04/22/2020 20:03*	WG1464831
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*		*04/28/2020 01:28*	WG1466991
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*04/22/2020 20:03*	WG1464831
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/28/2020 01:28*	WG1466991

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.4		1	04/27/2020 12:02	WG1465756

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0471	0.0646	1	04/22/2020 20:22	WG1464831
Acrylonitrile	U		0.00466	0.0161	1	04/22/2020 20:22	WG1464831
Benzene	U		0.000603	0.00129	1	04/22/2020 20:22	WG1464831
Bromobenzene	U		0.00116	0.0161	1	04/22/2020 20:22	WG1464831
Bromodichloromethane	U		0.000936	0.00323	1	04/22/2020 20:22	WG1464831
Bromochloromethane	U		0.000728	0.00646	1	04/22/2020 20:22	WG1464831
Bromoform	U		0.00151	0.0323	1	04/22/2020 20:22	WG1464831
Bromomethane	U		0.00254	0.0161	1	04/22/2020 20:22	WG1464831
n-Butylbenzene	U		0.00678	0.0161	1	04/22/2020 20:22	WG1464831
sec-Butylbenzene	U		0.00372	0.0161	1	04/22/2020 20:22	WG1464831
tert-Butylbenzene	U		0.00252	0.00646	1	04/22/2020 20:22	WG1464831
Carbon disulfide	0.00128	J	0.000904	0.0161	1	04/22/2020 20:22	WG1464831
Carbon tetrachloride	U		0.00116	0.00646	1	04/22/2020 20:22	WG1464831
Chlorobenzene	U		0.000271	0.00323	1	04/22/2020 20:22	WG1464831
Chlorodibromomethane	U	J4	0.000790	0.00323	1	04/22/2020 20:22	WG1464831
Chloroethane	U		0.00220	0.00646	1	04/22/2020 20:22	WG1464831
Chloroform	U		0.00133	0.00323	1	04/22/2020 20:22	WG1464831
Chloromethane	U		0.00562	0.0161	1	04/22/2020 20:22	WG1464831
2-Chlorotoluene	U		0.00112	0.00323	1	04/22/2020 20:22	WG1464831
4-Chlorotoluene	U		0.000581	0.00646	1	04/22/2020 20:22	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00504	0.0323	1	04/22/2020 20:22	WG1464831
1,2-Dibromoethane	U		0.000837	0.00323	1	04/22/2020 20:22	WG1464831
Dibromomethane	U		0.000969	0.00646	1	04/22/2020 20:22	WG1464831
1,2-Dichlorobenzene	U		0.000549	0.00646	1	04/22/2020 20:22	WG1464831
1,3-Dichlorobenzene	U		0.000775	0.00646	1	04/22/2020 20:22	WG1464831
1,4-Dichlorobenzene	U		0.000904	0.00646	1	04/22/2020 20:22	WG1464831
Dichlorodifluoromethane	U		0.00208	0.00323	1	04/22/2020 20:22	WG1464831
1,1-Dichloroethane	U		0.000634	0.00323	1	04/22/2020 20:22	WG1464831
1,2-Dichloroethane	U		0.000838	0.00323	1	04/22/2020 20:22	WG1464831
1,1-Dichloroethene	U		0.000783	0.00323	1	04/22/2020 20:22	WG1464831
cis-1,2-Dichloroethene	U		0.000948	0.00323	1	04/22/2020 20:22	WG1464831
trans-1,2-Dichloroethene	U		0.00134	0.00646	1	04/22/2020 20:22	WG1464831
1,2-Dichloropropane	U		0.00183	0.00646	1	04/22/2020 20:22	WG1464831
1,1-Dichloropropene	U		0.00104	0.00323	1	04/22/2020 20:22	WG1464831
1,3-Dichloropropane	U		0.000647	0.00646	1	04/22/2020 20:22	WG1464831
cis-1,3-Dichloropropene	U		0.000978	0.00323	1	04/22/2020 20:22	WG1464831
trans-1,3-Dichloropropene	U		0.00147	0.00646	1	04/22/2020 20:22	WG1464831
trans-1,4-Dichloro-2-butene	U		0.00240	0.00646	1	04/22/2020 20:22	WG1464831
2,2-Dichloropropane	U	J4	0.00178	0.00323	1	04/22/2020 20:22	WG1464831
Di-isopropyl ether	U		0.000530	0.00129	1	04/22/2020 20:22	WG1464831
Ethylbenzene	U		0.000952	0.00323	1	04/22/2020 20:22	WG1464831
Hexachloro-1,3-butadiene	U		0.00775	0.0323	1	04/22/2020 20:22	WG1464831
2-Hexanone	U		0.00434	0.0323	1	04/22/2020 20:22	WG1464831
n-Hexane	U		0.00292	0.00646	1	04/22/2020 20:22	WG1464831
Iodomethane	U		0.00300	0.0161	1	04/22/2020 20:22	WG1464831
Isopropylbenzene	U		0.000549	0.00323	1	04/22/2020 20:22	WG1464831
p-Isopropyltoluene	U		0.00329	0.00646	1	04/22/2020 20:22	WG1464831
2-Butanone (MEK)	U		0.0820	0.129	1	04/22/2020 20:22	WG1464831
Methylene Chloride	U		0.00858	0.0323	1	04/22/2020 20:22	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00294	0.0323	1	04/22/2020 20:22	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000452	0.00129	1	04/22/2020 20:22	WG1464831
Naphthalene	U		0.00630	0.0161	1	04/22/2020 20:22	WG1464831
n-Propylbenzene	U		0.00123	0.00646	1	04/22/2020 20:22	WG1464831
Styrene	U		0.000296	0.0161	1	04/22/2020 20:22	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00122	0.00323	1	04/22/2020 20:22	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000898	0.00323	1	04/22/2020 20:22	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000974	0.00323	1	04/22/2020 20:22	WG1464831
Tetrachloroethene	U		0.00116	0.00323	1	04/22/2020 20:22	WG1464831
Toluene	U		0.00168	0.00646	1	04/22/2020 20:22	WG1464831
1,2,3-Trichlorobenzene	U		0.00947	0.0161	1	04/28/2020 01:47	WG1466991
1,2,4-Trichlorobenzene	U		0.00568	0.0161	1	04/22/2020 20:22	WG1464831
1,1,1-Trichloroethane	U		0.00119	0.00323	1	04/22/2020 20:22	WG1464831
1,1,2-Trichloroethane	U		0.000771	0.00323	1	04/22/2020 20:22	WG1464831
Trichloroethene	U		0.000754	0.00129	1	04/22/2020 20:22	WG1464831
Trichlorofluoromethane	U		0.00107	0.00323	1	04/22/2020 20:22	WG1464831
1,2,3-Trichloropropane	U		0.00209	0.0161	1	04/22/2020 20:22	WG1464831
1,2,4-Trimethylbenzene	U		0.00204	0.00646	1	04/22/2020 20:22	WG1464831
1,2,3-Trimethylbenzene	U		0.00204	0.00646	1	04/22/2020 20:22	WG1464831
1,3,5-Trimethylbenzene	U		0.00258	0.00646	1	04/22/2020 20:22	WG1464831
Vinyl acetate	U		0.00328	0.0161	1	04/22/2020 20:22	WG1464831
Vinyl chloride	U	J4	0.00150	0.00323	1	04/22/2020 20:22	WG1464831
Xylenes, Total	U		0.00114	0.00840	1	04/22/2020 20:22	WG1464831
(S) Toluene-d8	*105*			*75.0-131*		*04/22/2020 20:22*	WG1464831
(S) Toluene-d8	*107*			*75.0-131*		*04/28/2020 01:47*	WG1466991
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*		*04/22/2020 20:22*	WG1464831
(S) 4-Bromofluorobenzene	*98.8*			*67.0-138*		*04/28/2020 01:47*	WG1466991
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/22/2020 20:22*	WG1464831
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/28/2020 01:47*	WG1466991

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.2		1	04/27/2020 12:02	WG1465756

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0444	0.0608	1	04/22/2020 20:42	WG1464831
Acrylonitrile	U		0.00439	0.0152	1	04/22/2020 20:42	WG1464831
Benzene	U		0.000568	0.00122	1	04/22/2020 20:42	WG1464831
Bromobenzene	U		0.00109	0.0152	1	04/22/2020 20:42	WG1464831
Bromodichloromethane	U		0.000882	0.00304	1	04/22/2020 20:42	WG1464831
Bromochloromethane	U		0.000686	0.00608	1	04/22/2020 20:42	WG1464831
Bromoform	U		0.00142	0.0304	1	04/22/2020 20:42	WG1464831
Bromomethane	U		0.00240	0.0152	1	04/22/2020 20:42	WG1464831
n-Butylbenzene	U		0.00639	0.0152	1	04/22/2020 20:42	WG1464831
sec-Butylbenzene	U		0.00350	0.0152	1	04/22/2020 20:42	WG1464831
tert-Butylbenzene	U		0.00237	0.00608	1	04/22/2020 20:42	WG1464831
Carbon disulfide	U		0.000852	0.0152	1	04/22/2020 20:42	WG1464831
Carbon tetrachloride	U		0.00109	0.00608	1	04/22/2020 20:42	WG1464831
Chlorobenzene	U		0.000255	0.00304	1	04/22/2020 20:42	WG1464831
Chlorodibromomethane	U	J4	0.000745	0.00304	1	04/22/2020 20:42	WG1464831
Chloroethane	U		0.00207	0.00608	1	04/22/2020 20:42	WG1464831
Chloroform	U		0.00125	0.00304	1	04/22/2020 20:42	WG1464831
Chloromethane	U		0.00529	0.0152	1	04/22/2020 20:42	WG1464831
2-Chlorotoluene	U		0.00105	0.00304	1	04/22/2020 20:42	WG1464831
4-Chlorotoluene	U		0.000547	0.00608	1	04/22/2020 20:42	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00474	0.0304	1	04/22/2020 20:42	WG1464831
1,2-Dibromoethane	U		0.000788	0.00304	1	04/22/2020 20:42	WG1464831
Dibromomethane	U		0.000912	0.00608	1	04/22/2020 20:42	WG1464831
1,2-Dichlorobenzene	U		0.000517	0.00608	1	04/22/2020 20:42	WG1464831
1,3-Dichlorobenzene	U		0.000730	0.00608	1	04/22/2020 20:42	WG1464831
1,4-Dichlorobenzene	U		0.000852	0.00608	1	04/22/2020 20:42	WG1464831
Dichlorodifluoromethane	U		0.00196	0.00304	1	04/22/2020 20:42	WG1464831
1,1-Dichloroethane	U		0.000597	0.00304	1	04/22/2020 20:42	WG1464831
1,2-Dichloroethane	U		0.000790	0.00304	1	04/22/2020 20:42	WG1464831
1,1-Dichloroethene	U		0.000737	0.00304	1	04/22/2020 20:42	WG1464831
cis-1,2-Dichloroethene	U		0.000893	0.00304	1	04/22/2020 20:42	WG1464831
trans-1,2-Dichloroethene	U		0.00127	0.00608	1	04/22/2020 20:42	WG1464831
1,2-Dichloropropane	U		0.00173	0.00608	1	04/22/2020 20:42	WG1464831
1,1-Dichloropropene	U		0.000984	0.00304	1	04/22/2020 20:42	WG1464831
1,3-Dichloropropane	U		0.000609	0.00608	1	04/22/2020 20:42	WG1464831
cis-1,3-Dichloropropene	U		0.000921	0.00304	1	04/22/2020 20:42	WG1464831
trans-1,3-Dichloropropene	U		0.00139	0.00608	1	04/22/2020 20:42	WG1464831
trans-1,4-Dichloro-2-butene	U		0.00226	0.00608	1	04/22/2020 20:42	WG1464831
2,2-Dichloropropane	U	J4	0.00168	0.00304	1	04/22/2020 20:42	WG1464831
Di-isopropyl ether	U		0.000499	0.00122	1	04/22/2020 20:42	WG1464831
Ethylbenzene	U		0.000897	0.00304	1	04/22/2020 20:42	WG1464831
Hexachloro-1,3-butadiene	U		0.00730	0.0304	1	04/22/2020 20:42	WG1464831
2-Hexanone	U		0.00409	0.0304	1	04/22/2020 20:42	WG1464831
n-Hexane	U		0.00275	0.00608	1	04/22/2020 20:42	WG1464831
Iodomethane	U		0.00282	0.0152	1	04/22/2020 20:42	WG1464831
Isopropylbenzene	U		0.000517	0.00304	1	04/22/2020 20:42	WG1464831
p-Isopropyltoluene	U		0.00310	0.00608	1	04/22/2020 20:42	WG1464831
2-Butanone (MEK)	U		0.0772	0.122	1	04/22/2020 20:42	WG1464831
Methylene Chloride	U		0.00808	0.0304	1	04/22/2020 20:42	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00277	0.0304	1	04/22/2020 20:42	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000426	0.00122	1	04/22/2020 20:42	WG1464831
Naphthalene	U		0.00594	0.0152	1	04/22/2020 20:42	WG1464831
n-Propylbenzene	U		0.00116	0.00608	1	04/22/2020 20:42	WG1464831
Styrene	U		0.000279	0.0152	1	04/22/2020 20:42	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00115	0.00304	1	04/22/2020 20:42	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000845	0.00304	1	04/22/2020 20:42	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000917	0.00304	1	04/22/2020 20:42	WG1464831
Tetrachloroethene	U		0.00109	0.00304	1	04/22/2020 20:42	WG1464831
Toluene	U		0.00158	0.00608	1	04/22/2020 20:42	WG1464831
1,2,3-Trichlorobenzene	U		0.00892	0.0152	1	04/28/2020 02:06	WG1466991
1,2,4-Trichlorobenzene	U		0.00535	0.0152	1	04/22/2020 20:42	WG1464831
1,1,1-Trichloroethane	U		0.00112	0.00304	1	04/22/2020 20:42	WG1464831
1,1,2-Trichloroethane	U		0.000726	0.00304	1	04/22/2020 20:42	WG1464831
Trichloroethene	U		0.000710	0.00122	1	04/22/2020 20:42	WG1464831
Trichlorofluoromethane	U		0.00101	0.00304	1	04/22/2020 20:42	WG1464831
1,2,3-Trichloropropane	U		0.00197	0.0152	1	04/22/2020 20:42	WG1464831
1,2,4-Trimethylbenzene	U		0.00192	0.00608	1	04/22/2020 20:42	WG1464831
1,2,3-Trimethylbenzene	U		0.00192	0.00608	1	04/22/2020 20:42	WG1464831
1,3,5-Trimethylbenzene	U		0.00243	0.00608	1	04/22/2020 20:42	WG1464831
Vinyl acetate	U		0.00309	0.0152	1	04/22/2020 20:42	WG1464831
Vinyl chloride	U	J4	0.00141	0.00304	1	04/22/2020 20:42	WG1464831
Xylenes, Total	U		0.00107	0.00791	1	04/22/2020 20:42	WG1464831
(S) Toluene-d8	*105*			*75.0-131*		*04/22/2020 20:42*	WG1464831
(S) Toluene-d8	*106*			*75.0-131*		*04/28/2020 02:06*	WG1466991
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*		*04/22/2020 20:42*	WG1464831
(S) 4-Bromofluorobenzene	*95.9*			*67.0-138*		*04/28/2020 02:06*	WG1466991
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*		*04/22/2020 20:42*	WG1464831
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/28/2020 02:06*	WG1466991

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.4		1	04/27/2020 12:02	WG1465756

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0404	0.0553	1	04/22/2020 21:02	WG1464831
Acrylonitrile	U		0.00399	0.0138	1	04/22/2020 21:02	WG1464831
Benzene	U		0.000517	0.00111	1	04/22/2020 21:02	WG1464831
Bromobenzene	U		0.000996	0.0138	1	04/22/2020 21:02	WG1464831
Bromodichloromethane	U		0.000802	0.00277	1	04/22/2020 21:02	WG1464831
Bromochloromethane	U		0.000624	0.00553	1	04/22/2020 21:02	WG1464831
Bromoform	U		0.00129	0.0277	1	04/22/2020 21:02	WG1464831
Bromomethane	U		0.00218	0.0138	1	04/22/2020 21:02	WG1464831
n-Butylbenzene	U		0.00581	0.0138	1	04/22/2020 21:02	WG1464831
sec-Butylbenzene	U		0.00319	0.0138	1	04/22/2020 21:02	WG1464831
tert-Butylbenzene	U		0.00216	0.00553	1	04/22/2020 21:02	WG1464831
Carbon disulfide	U		0.000775	0.0138	1	04/22/2020 21:02	WG1464831
Carbon tetrachloride	U		0.000994	0.00553	1	04/22/2020 21:02	WG1464831
Chlorobenzene	U		0.000232	0.00277	1	04/22/2020 21:02	WG1464831
Chlorodibromomethane	U	J4	0.000677	0.00277	1	04/22/2020 21:02	WG1464831
Chloroethane	U		0.00188	0.00553	1	04/22/2020 21:02	WG1464831
Chloroform	U		0.00114	0.00277	1	04/22/2020 21:02	WG1464831
Chloromethane	U		0.00481	0.0138	1	04/22/2020 21:02	WG1464831
2-Chlorotoluene	U		0.000957	0.00277	1	04/22/2020 21:02	WG1464831
4-Chlorotoluene	U		0.000498	0.00553	1	04/22/2020 21:02	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00432	0.0277	1	04/22/2020 21:02	WG1464831
1,2-Dibromoethane	U		0.000717	0.00277	1	04/22/2020 21:02	WG1464831
Dibromomethane	U		0.000830	0.00553	1	04/22/2020 21:02	WG1464831
1,2-Dichlorobenzene	U		0.000470	0.00553	1	04/22/2020 21:02	WG1464831
1,3-Dichlorobenzene	U		0.000664	0.00553	1	04/22/2020 21:02	WG1464831
1,4-Dichlorobenzene	U		0.000775	0.00553	1	04/22/2020 21:02	WG1464831
Dichlorodifluoromethane	U		0.00178	0.00277	1	04/22/2020 21:02	WG1464831
1,1-Dichloroethane	U		0.000543	0.00277	1	04/22/2020 21:02	WG1464831
1,2-Dichloroethane	U		0.000718	0.00277	1	04/22/2020 21:02	WG1464831
1,1-Dichloroethene	U		0.000671	0.00277	1	04/22/2020 21:02	WG1464831
cis-1,2-Dichloroethene	U		0.000812	0.00277	1	04/22/2020 21:02	WG1464831
trans-1,2-Dichloroethene	U		0.00115	0.00553	1	04/22/2020 21:02	WG1464831
1,2-Dichloropropane	U		0.00157	0.00553	1	04/22/2020 21:02	WG1464831
1,1-Dichloropropene	U		0.000895	0.00277	1	04/22/2020 21:02	WG1464831
1,3-Dichloropropane	U		0.000554	0.00553	1	04/22/2020 21:02	WG1464831
cis-1,3-Dichloropropene	U		0.000838	0.00277	1	04/22/2020 21:02	WG1464831
trans-1,3-Dichloropropene	U		0.00126	0.00553	1	04/22/2020 21:02	WG1464831
trans-1,4-Dichloro-2-butene	U		0.00206	0.00553	1	04/22/2020 21:02	WG1464831
2,2-Dichloropropane	U	J4	0.00153	0.00277	1	04/22/2020 21:02	WG1464831
Di-isopropyl ether	U		0.000454	0.00111	1	04/22/2020 21:02	WG1464831
Ethylbenzene	U		0.000816	0.00277	1	04/22/2020 21:02	WG1464831
Hexachloro-1,3-butadiene	U		0.00664	0.0277	1	04/22/2020 21:02	WG1464831
2-Hexanone	U		0.00372	0.0277	1	04/22/2020 21:02	WG1464831
n-Hexane	U		0.00250	0.00553	1	04/22/2020 21:02	WG1464831
Iodomethane	U		0.00257	0.0138	1	04/22/2020 21:02	WG1464831
Isopropylbenzene	U		0.000470	0.00277	1	04/22/2020 21:02	WG1464831
p-Isopropyltoluene	U		0.00282	0.00553	1	04/22/2020 21:02	WG1464831
2-Butanone (MEK)	U		0.0703	0.111	1	04/22/2020 21:02	WG1464831
Methylene Chloride	U		0.00735	0.0277	1	04/22/2020 21:02	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00252	0.0277	1	04/22/2020 21:02	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000387	0.00111	1	04/22/2020 21:02	WG1464831
Naphthalene	U		0.00540	0.0138	1	04/22/2020 21:02	WG1464831
n-Propylbenzene	U		0.00105	0.00553	1	04/22/2020 21:02	WG1464831
Styrene	U		0.000253	0.0138	1	04/22/2020 21:02	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00105	0.00277	1	04/22/2020 21:02	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000769	0.00277	1	04/22/2020 21:02	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000834	0.00277	1	04/22/2020 21:02	WG1464831
Tetrachloroethene	U		0.000992	0.00277	1	04/22/2020 21:02	WG1464831
Toluene	U		0.00144	0.00553	1	04/22/2020 21:02	WG1464831
1,2,3-Trichlorobenzene	U		0.00811	0.0138	1	04/28/2020 02:25	WG1466991
1,2,4-Trichlorobenzene	U		0.00487	0.0138	1	04/22/2020 21:02	WG1464831
1,1,1-Trichloroethane	U		0.00102	0.00277	1	04/22/2020 21:02	WG1464831
1,1,2-Trichloroethane	U		0.000661	0.00277	1	04/22/2020 21:02	WG1464831
Trichloroethene	U		0.000646	0.00111	1	04/22/2020 21:02	WG1464831
Trichlorofluoromethane	U		0.000915	0.00277	1	04/22/2020 21:02	WG1464831
1,2,3-Trichloropropane	U		0.00179	0.0138	1	04/22/2020 21:02	WG1464831
1,2,4-Trimethylbenzene	U		0.00175	0.00553	1	04/22/2020 21:02	WG1464831
1,2,3-Trimethylbenzene	U		0.00175	0.00553	1	04/22/2020 21:02	WG1464831
1,3,5-Trimethylbenzene	U		0.00221	0.00553	1	04/22/2020 21:02	WG1464831
Vinyl acetate	U		0.00281	0.0138	1	04/22/2020 21:02	WG1464831
Vinyl chloride	U	J4	0.00128	0.00277	1	04/22/2020 21:02	WG1464831
Xylenes, Total	U		0.000974	0.00719	1	04/22/2020 21:02	WG1464831
(S) Toluene-d8	*104*			*75.0-131*		*04/22/2020 21:02*	WG1464831
(S) Toluene-d8	*104*			*75.0-131*		*04/28/2020 02:25*	WG1466991
(S) 4-Bromofluorobenzene	*98.5*			*67.0-138*		*04/22/2020 21:02*	WG1464831
(S) 4-Bromofluorobenzene	*95.0*			*67.0-138*		*04/28/2020 02:25*	WG1466991
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*04/22/2020 21:02*	WG1464831
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*04/28/2020 02:25*	WG1466991

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.8		1	04/27/2020 12:02	WG1465756

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0452	0.0619	1	04/22/2020 21:23	WG1464831
Acrylonitrile	U		0.00447	0.0155	1	04/22/2020 21:23	WG1464831
Benzene	U		0.000578	0.00124	1	04/22/2020 21:23	WG1464831
Bromobenzene	U		0.00111	0.0155	1	04/22/2020 21:23	WG1464831
Bromodichloromethane	U		0.000897	0.00309	1	04/22/2020 21:23	WG1464831
Bromochloromethane	U		0.000698	0.00619	1	04/22/2020 21:23	WG1464831
Bromoform	U		0.00145	0.0309	1	04/22/2020 21:23	WG1464831
Bromomethane	U		0.00244	0.0155	1	04/22/2020 21:23	WG1464831
n-Butylbenzene	U		0.00650	0.0155	1	04/22/2020 21:23	WG1464831
sec-Butylbenzene	U		0.00356	0.0155	1	04/22/2020 21:23	WG1464831
tert-Butylbenzene	U		0.00241	0.00619	1	04/22/2020 21:23	WG1464831
Carbon disulfide	0.00131	J	0.000866	0.0155	1	04/22/2020 21:23	WG1464831
Carbon tetrachloride	U		0.00111	0.00619	1	04/22/2020 21:23	WG1464831
Chlorobenzene	U		0.000260	0.00309	1	04/22/2020 21:23	WG1464831
Chlorodibromomethane	U	J4	0.000757	0.00309	1	04/22/2020 21:23	WG1464831
Chloroethane	U		0.00210	0.00619	1	04/22/2020 21:23	WG1464831
Chloroform	U		0.00127	0.00309	1	04/22/2020 21:23	WG1464831
Chloromethane	U		0.00538	0.0155	1	04/22/2020 21:23	WG1464831
2-Chlorotoluene	U		0.00107	0.00309	1	04/22/2020 21:23	WG1464831
4-Chlorotoluene	U		0.000557	0.00619	1	04/22/2020 21:23	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00483	0.0309	1	04/22/2020 21:23	WG1464831
1,2-Dibromoethane	U		0.000802	0.00309	1	04/22/2020 21:23	WG1464831
Dibromomethane	U		0.000928	0.00619	1	04/22/2020 21:23	WG1464831
1,2-Dichlorobenzene	U		0.000526	0.00619	1	04/22/2020 21:23	WG1464831
1,3-Dichlorobenzene	U		0.000742	0.00619	1	04/22/2020 21:23	WG1464831
1,4-Dichlorobenzene	U		0.000866	0.00619	1	04/22/2020 21:23	WG1464831
Dichlorodifluoromethane	U		0.00199	0.00309	1	04/22/2020 21:23	WG1464831
1,1-Dichloroethane	U		0.000608	0.00309	1	04/22/2020 21:23	WG1464831
1,2-Dichloroethane	U		0.000803	0.00309	1	04/22/2020 21:23	WG1464831
1,1-Dichloroethene	U		0.000750	0.00309	1	04/22/2020 21:23	WG1464831
cis-1,2-Dichloroethene	U		0.000908	0.00309	1	04/22/2020 21:23	WG1464831
trans-1,2-Dichloroethene	U		0.00129	0.00619	1	04/22/2020 21:23	WG1464831
1,2-Dichloropropane	U		0.00176	0.00619	1	04/22/2020 21:23	WG1464831
1,1-Dichloropropene	U		0.00100	0.00309	1	04/22/2020 21:23	WG1464831
1,3-Dichloropropane	U		0.000620	0.00619	1	04/22/2020 21:23	WG1464831
cis-1,3-Dichloropropene	U		0.000937	0.00309	1	04/22/2020 21:23	WG1464831
trans-1,3-Dichloropropene	U		0.00141	0.00619	1	04/22/2020 21:23	WG1464831
trans-1,4-Dichloro-2-butene	U		0.00230	0.00619	1	04/22/2020 21:23	WG1464831
2,2-Dichloropropane	U	J4	0.00171	0.00309	1	04/22/2020 21:23	WG1464831
Di-isopropyl ether	U		0.000507	0.00124	1	04/22/2020 21:23	WG1464831
Ethylbenzene	U		0.000912	0.00309	1	04/22/2020 21:23	WG1464831
Hexachloro-1,3-butadiene	U		0.00742	0.0309	1	04/22/2020 21:23	WG1464831
2-Hexanone	U		0.00416	0.0309	1	04/22/2020 21:23	WG1464831
n-Hexane	U		0.00280	0.00619	1	04/22/2020 21:23	WG1464831
Iodomethane	U		0.00287	0.0155	1	04/22/2020 21:23	WG1464831
Isopropylbenzene	U		0.000526	0.00309	1	04/22/2020 21:23	WG1464831
p-Isopropyltoluene	U		0.00316	0.00619	1	04/22/2020 21:23	WG1464831
2-Butanone (MEK)	U		0.0786	0.124	1	04/22/2020 21:23	WG1464831
Methylene Chloride	U		0.00822	0.0309	1	04/22/2020 21:23	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00282	0.0309	1	04/22/2020 21:23	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000433	0.00124	1	04/22/2020 21:23	WG1464831
Naphthalene	U		0.00604	0.0155	1	04/22/2020 21:23	WG1464831
n-Propylbenzene	U		0.00118	0.00619	1	04/22/2020 21:23	WG1464831
Styrene	U		0.000283	0.0155	1	04/22/2020 21:23	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00117	0.00309	1	04/22/2020 21:23	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000860	0.00309	1	04/22/2020 21:23	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000933	0.00309	1	04/22/2020 21:23	WG1464831
Tetrachloroethene	U		0.00111	0.00309	1	04/22/2020 21:23	WG1464831
Toluene	U		0.00161	0.00619	1	04/22/2020 21:23	WG1464831
1,2,3-Trichlorobenzene	U		0.00907	0.0155	1	04/28/2020 02:45	WG1466991
1,2,4-Trichlorobenzene	U		0.00544	0.0155	1	04/22/2020 21:23	WG1464831
1,1,1-Trichloroethane	U		0.00114	0.00309	1	04/22/2020 21:23	WG1464831
1,1,2-Trichloroethane	U		0.000739	0.00309	1	04/22/2020 21:23	WG1464831
Trichloroethene	U		0.000723	0.00124	1	04/22/2020 21:23	WG1464831
Trichlorofluoromethane	U		0.00102	0.00309	1	04/22/2020 21:23	WG1464831
1,2,3-Trichloropropane	U		0.00200	0.0155	1	04/22/2020 21:23	WG1464831
1,2,4-Trimethylbenzene	U		0.00195	0.00619	1	04/22/2020 21:23	WG1464831
1,2,3-Trimethylbenzene	U		0.00195	0.00619	1	04/22/2020 21:23	WG1464831
1,3,5-Trimethylbenzene	U		0.00247	0.00619	1	04/22/2020 21:23	WG1464831
Vinyl acetate	U		0.00314	0.0155	1	04/22/2020 21:23	WG1464831
Vinyl chloride	U	J4	0.00144	0.00309	1	04/22/2020 21:23	WG1464831
Xylenes, Total	U		0.00109	0.00804	1	04/22/2020 21:23	WG1464831
(S) Toluene-d8	*105*			*75.0-131*		*04/22/2020 21:23*	WG1464831
(S) Toluene-d8	*109*			*75.0-131*		*04/28/2020 02:45*	WG1466991
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*04/22/2020 21:23*	WG1464831
(S) 4-Bromofluorobenzene	*99.7*			*67.0-138*		*04/28/2020 02:45*	WG1466991
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*04/22/2020 21:23*	WG1464831
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*		*04/28/2020 02:45*	WG1466991

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	04/27/2020 12:02	WG1465756

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0416	0.0569	1	04/22/2020 21:42	WG1464831
Acrylonitrile	U		0.00411	0.0142	1	04/22/2020 21:42	WG1464831
Benzene	U		0.000532	0.00114	1	04/22/2020 21:42	WG1464831
Bromobenzene	U		0.00102	0.0142	1	04/22/2020 21:42	WG1464831
Bromodichloromethane	U		0.000826	0.00285	1	04/22/2020 21:42	WG1464831
Bromochloromethane	U		0.000642	0.00569	1	04/22/2020 21:42	WG1464831
Bromoform	U		0.00133	0.0285	1	04/22/2020 21:42	WG1464831
Bromomethane	U		0.00224	0.0142	1	04/22/2020 21:42	WG1464831
n-Butylbenzene	U		0.00598	0.0142	1	04/22/2020 21:42	WG1464831
sec-Butylbenzene	U		0.00328	0.0142	1	04/22/2020 21:42	WG1464831
tert-Butylbenzene	U		0.00222	0.00569	1	04/22/2020 21:42	WG1464831
Carbon disulfide	U		0.000797	0.0142	1	04/22/2020 21:42	WG1464831
Carbon tetrachloride	U		0.00102	0.00569	1	04/22/2020 21:42	WG1464831
Chlorobenzene	U		0.000239	0.00285	1	04/22/2020 21:42	WG1464831
Chlorodibromomethane	U	J4	0.000697	0.00285	1	04/22/2020 21:42	WG1464831
Chloroethane	U		0.00194	0.00569	1	04/22/2020 21:42	WG1464831
Chloroform	U		0.00117	0.00285	1	04/22/2020 21:42	WG1464831
Chloromethane	U		0.00495	0.0142	1	04/22/2020 21:42	WG1464831
2-Chlorotoluene	U		0.000985	0.00285	1	04/22/2020 21:42	WG1464831
4-Chlorotoluene	U		0.000512	0.00569	1	04/22/2020 21:42	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00444	0.0285	1	04/22/2020 21:42	WG1464831
1,2-Dibromoethane	U		0.000738	0.00285	1	04/22/2020 21:42	WG1464831
Dibromomethane	U		0.000854	0.00569	1	04/22/2020 21:42	WG1464831
1,2-Dichlorobenzene	U		0.000484	0.00569	1	04/22/2020 21:42	WG1464831
1,3-Dichlorobenzene	U		0.000683	0.00569	1	04/22/2020 21:42	WG1464831
1,4-Dichlorobenzene	U		0.000797	0.00569	1	04/22/2020 21:42	WG1464831
Dichlorodifluoromethane	U		0.00183	0.00285	1	04/22/2020 21:42	WG1464831
1,1-Dichloroethane	U		0.000559	0.00285	1	04/22/2020 21:42	WG1464831
1,2-Dichloroethane	U		0.000739	0.00285	1	04/22/2020 21:42	WG1464831
1,1-Dichloroethene	U		0.000690	0.00285	1	04/22/2020 21:42	WG1464831
cis-1,2-Dichloroethene	U		0.000836	0.00285	1	04/22/2020 21:42	WG1464831
trans-1,2-Dichloroethene	U		0.00118	0.00569	1	04/22/2020 21:42	WG1464831
1,2-Dichloropropane	U		0.00162	0.00569	1	04/22/2020 21:42	WG1464831
1,1-Dichloropropene	U		0.000921	0.00285	1	04/22/2020 21:42	WG1464831
1,3-Dichloropropane	U		0.000570	0.00569	1	04/22/2020 21:42	WG1464831
cis-1,3-Dichloropropene	U		0.000862	0.00285	1	04/22/2020 21:42	WG1464831
trans-1,3-Dichloropropene	U		0.00130	0.00569	1	04/22/2020 21:42	WG1464831
trans-1,4-Dichloro-2-butene	U		0.00212	0.00569	1	04/22/2020 21:42	WG1464831
2,2-Dichloropropane	U	J4	0.00157	0.00285	1	04/22/2020 21:42	WG1464831
Di-isopropyl ether	U		0.000467	0.00114	1	04/22/2020 21:42	WG1464831
Ethylbenzene	U		0.000839	0.00285	1	04/22/2020 21:42	WG1464831
Hexachloro-1,3-butadiene	U		0.00683	0.0285	1	04/22/2020 21:42	WG1464831
2-Hexanone	U		0.00383	0.0285	1	04/22/2020 21:42	WG1464831
n-Hexane	U		0.00257	0.00569	1	04/22/2020 21:42	WG1464831
Iodomethane	U		0.00264	0.0142	1	04/22/2020 21:42	WG1464831
Isopropylbenzene	U		0.000484	0.00285	1	04/22/2020 21:42	WG1464831
p-Isopropyltoluene	U		0.00290	0.00569	1	04/22/2020 21:42	WG1464831
2-Butanone (MEK)	U		0.0723	0.114	1	04/22/2020 21:42	WG1464831
Methylene Chloride	U		0.00756	0.0285	1	04/22/2020 21:42	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00260	0.0285	1	04/22/2020 21:42	WG1464831

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000399	0.00114	1	04/22/2020 21:42	WG1464831
Naphthalene	U		0.00556	0.0142	1	04/22/2020 21:42	WG1464831
n-Propylbenzene	U		0.00108	0.00569	1	04/22/2020 21:42	WG1464831
Styrene	U		0.000261	0.0142	1	04/22/2020 21:42	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00108	0.00285	1	04/22/2020 21:42	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000791	0.00285	1	04/22/2020 21:42	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000859	0.00285	1	04/22/2020 21:42	WG1464831
Tetrachloroethene	U		0.00102	0.00285	1	04/22/2020 21:42	WG1464831
Toluene	U		0.00148	0.00569	1	04/22/2020 21:42	WG1464831
1,2,3-Trichlorobenzene	U		0.00835	0.0142	1	04/28/2020 03:04	WG1466991
1,2,4-Trichlorobenzene	U		0.00501	0.0142	1	04/22/2020 21:42	WG1464831
1,1,1-Trichloroethane	U		0.00105	0.00285	1	04/22/2020 21:42	WG1464831
1,1,2-Trichloroethane	U		0.000680	0.00285	1	04/22/2020 21:42	WG1464831
Trichloroethene	U		0.000665	0.00114	1	04/22/2020 21:42	WG1464831
Trichlorofluoromethane	U		0.000942	0.00285	1	04/22/2020 21:42	WG1464831
1,2,3-Trichloropropane	U		0.00184	0.0142	1	04/22/2020 21:42	WG1464831
1,2,4-Trimethylbenzene	U		0.00180	0.00569	1	04/22/2020 21:42	WG1464831
1,2,3-Trimethylbenzene	U		0.00180	0.00569	1	04/22/2020 21:42	WG1464831
1,3,5-Trimethylbenzene	U		0.00228	0.00569	1	04/22/2020 21:42	WG1464831
Vinyl acetate	U		0.00289	0.0142	1	04/22/2020 21:42	WG1464831
Vinyl chloride	U	J4	0.00132	0.00285	1	04/22/2020 21:42	WG1464831
Xylenes, Total	U		0.00100	0.00740	1	04/22/2020 21:42	WG1464831
(S) Toluene-d8	*107*			*75.0-131*		*04/22/2020 21:42*	WG1464831
(S) Toluene-d8	*105*			*75.0-131*		*04/28/2020 03:04*	WG1466991
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*04/22/2020 21:42*	WG1464831
(S) 4-Bromofluorobenzene	*97.1*			*67.0-138*		*04/28/2020 03:04*	WG1466991
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*04/22/2020 21:42*	WG1464831
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*		*04/28/2020 03:04*	WG1466991

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.6		1	04/27/2020 11:49	WG1465757

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0437	0.0598	1	04/22/2020 22:02	WG1464831
Acrylonitrile	U		0.00432	0.0149	1	04/22/2020 22:02	WG1464831
Benzene	0.000794	J	0.000559	0.00120	1	04/22/2020 22:02	WG1464831
Bromobenzene	U		0.00108	0.0149	1	04/22/2020 22:02	WG1464831
Bromodichloromethane	U		0.000867	0.00299	1	04/22/2020 22:02	WG1464831
Bromochloromethane	U		0.000675	0.00598	1	04/22/2020 22:02	WG1464831
Bromoform	U		0.00140	0.0299	1	04/22/2020 22:02	WG1464831
Bromomethane	U		0.00236	0.0149	1	04/22/2020 22:02	WG1464831
n-Butylbenzene	U		0.00628	0.0149	1	04/22/2020 22:02	WG1464831
sec-Butylbenzene	U		0.00344	0.0149	1	04/22/2020 22:02	WG1464831
tert-Butylbenzene	U		0.00233	0.00598	1	04/22/2020 22:02	WG1464831
Carbon disulfide	U		0.000837	0.0149	1	04/22/2020 22:02	WG1464831
Carbon tetrachloride	U		0.00107	0.00598	1	04/22/2020 22:02	WG1464831
Chlorobenzene	U		0.000251	0.00299	1	04/22/2020 22:02	WG1464831
Chlorodibromomethane	U	J4	0.000732	0.00299	1	04/22/2020 22:02	WG1464831
Chloroethane	U		0.00203	0.00598	1	04/22/2020 22:02	WG1464831
Chloroform	0.00157	B J	0.00123	0.00299	1	04/22/2020 22:02	WG1464831
Chloromethane	U		0.00520	0.0149	1	04/22/2020 22:02	WG1464831
2-Chlorotoluene	U		0.00103	0.00299	1	04/22/2020 22:02	WG1464831
4-Chlorotoluene	U		0.000538	0.00598	1	04/22/2020 22:02	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00466	0.0299	1	04/22/2020 22:02	WG1464831
1,2-Dibromoethane	U		0.000775	0.00299	1	04/22/2020 22:02	WG1464831
Dibromomethane	U		0.000897	0.00598	1	04/22/2020 22:02	WG1464831
1,2-Dichlorobenzene	U		0.000508	0.00598	1	04/22/2020 22:02	WG1464831
1,3-Dichlorobenzene	U		0.000718	0.00598	1	04/22/2020 22:02	WG1464831
1,4-Dichlorobenzene	U		0.000837	0.00598	1	04/22/2020 22:02	WG1464831
Dichlorodifluoromethane	U		0.00193	0.00299	1	04/22/2020 22:02	WG1464831
1,1-Dichloroethane	U		0.000587	0.00299	1	04/22/2020 22:02	WG1464831
1,2-Dichloroethane	U		0.000776	0.00299	1	04/22/2020 22:02	WG1464831
1,1-Dichloroethene	U		0.000725	0.00299	1	04/22/2020 22:02	WG1464831
cis-1,2-Dichloroethene	U		0.000878	0.00299	1	04/22/2020 22:02	WG1464831
trans-1,2-Dichloroethene	U		0.00124	0.00598	1	04/22/2020 22:02	WG1464831
1,2-Dichloropropane	U		0.00170	0.00598	1	04/22/2020 22:02	WG1464831
1,1-Dichloropropene	U		0.000968	0.00299	1	04/22/2020 22:02	WG1464831
1,3-Dichloropropane	U		0.000599	0.00598	1	04/22/2020 22:02	WG1464831
cis-1,3-Dichloropropene	U		0.000905	0.00299	1	04/22/2020 22:02	WG1464831
trans-1,3-Dichloropropene	U		0.00136	0.00598	1	04/22/2020 22:02	WG1464831
trans-1,4-Dichloro-2-butene	0.00240	J	0.00222	0.00598	1	04/22/2020 22:02	WG1464831
2,2-Dichloropropane	U	J4	0.00165	0.00299	1	04/22/2020 22:02	WG1464831
Di-isopropyl ether	U		0.000490	0.00120	1	04/22/2020 22:02	WG1464831
Ethylbenzene	U		0.000881	0.00299	1	04/22/2020 22:02	WG1464831
Hexachloro-1,3-butadiene	U		0.00718	0.0299	1	04/22/2020 22:02	WG1464831
2-Hexanone	U		0.00402	0.0299	1	04/22/2020 22:02	WG1464831
n-Hexane	U		0.00270	0.00598	1	04/22/2020 22:02	WG1464831
Iodomethane	U		0.00277	0.0149	1	04/22/2020 22:02	WG1464831
Isopropylbenzene	U		0.000508	0.00299	1	04/22/2020 22:02	WG1464831
p-Isopropyltoluene	U		0.00305	0.00598	1	04/22/2020 22:02	WG1464831
2-Butanone (MEK)	U		0.0759	0.120	1	04/22/2020 22:02	WG1464831
Methylene Chloride	U		0.00794	0.0299	1	04/22/2020 22:02	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00273	0.0299	1	04/22/2020 22:02	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000419	0.00120	1	04/22/2020 22:02	WG1464831
Naphthalene	U		0.00584	0.0149	1	04/22/2020 22:02	WG1464831
n-Propylbenzene	U		0.00114	0.00598	1	04/22/2020 22:02	WG1464831
Styrene	U		0.000274	0.0149	1	04/22/2020 22:02	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00113	0.00299	1	04/22/2020 22:02	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000831	0.00299	1	04/22/2020 22:02	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000902	0.00299	1	04/22/2020 22:02	WG1464831
Tetrachloroethene	U		0.00107	0.00299	1	04/22/2020 22:02	WG1464831
Toluene	U		0.00155	0.00598	1	04/22/2020 22:02	WG1464831
1,2,3-Trichlorobenzene	U		0.00877	0.0149	1	04/28/2020 03:23	WG1466991
1,2,4-Trichlorobenzene	U		0.00526	0.0149	1	04/22/2020 22:02	WG1464831
1,1,1-Trichloroethane	U		0.00110	0.00299	1	04/22/2020 22:02	WG1464831
1,1,2-Trichloroethane	U		0.000714	0.00299	1	04/22/2020 22:02	WG1464831
Trichloroethene	U		0.000698	0.00120	1	04/22/2020 22:02	WG1464831
Trichlorofluoromethane	U		0.000989	0.00299	1	04/22/2020 22:02	WG1464831
1,2,3-Trichloropropane	U		0.00194	0.0149	1	04/22/2020 22:02	WG1464831
1,2,4-Trimethylbenzene	U		0.00189	0.00598	1	04/22/2020 22:02	WG1464831
1,2,3-Trimethylbenzene	U		0.00189	0.00598	1	04/22/2020 22:02	WG1464831
1,3,5-Trimethylbenzene	U		0.00239	0.00598	1	04/22/2020 22:02	WG1464831
Vinyl acetate	U		0.00304	0.0149	1	04/22/2020 22:02	WG1464831
Vinyl chloride	U	J4	0.00139	0.00299	1	04/22/2020 22:02	WG1464831
Xylenes, Total	0.00127	J	0.00105	0.00777	1	04/22/2020 22:02	WG1464831
(S) Toluene-d8	*108*			*75.0-131*		*04/22/2020 22:02*	WG1464831
(S) Toluene-d8	*106*			*75.0-131*		*04/28/2020 03:23*	WG1466991
(S) 4-Bromofluorobenzene	*95.5*			*67.0-138*		*04/22/2020 22:02*	WG1464831
(S) 4-Bromofluorobenzene	*97.9*			*67.0-138*		*04/28/2020 03:23*	WG1466991
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*04/22/2020 22:02*	WG1464831
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*04/28/2020 03:23*	WG1466991

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.2		1	04/27/2020 11:49	WG1465757

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0409	0.0561	1	04/22/2020 22:22	WG1464831
Acrylonitrile	U		0.00405	0.0140	1	04/22/2020 22:22	WG1464831
Benzene	0.00384		0.000524	0.00112	1	04/22/2020 22:22	WG1464831
Bromobenzene	U		0.00101	0.0140	1	04/22/2020 22:22	WG1464831
Bromodichloromethane	U		0.000813	0.00280	1	04/22/2020 22:22	WG1464831
Bromochloromethane	U		0.000632	0.00561	1	04/22/2020 22:22	WG1464831
Bromoform	U		0.00131	0.0280	1	04/22/2020 22:22	WG1464831
Bromomethane	U		0.00221	0.0140	1	04/22/2020 22:22	WG1464831
n-Butylbenzene	U		0.00589	0.0140	1	04/22/2020 22:22	WG1464831
sec-Butylbenzene	U		0.00323	0.0140	1	04/22/2020 22:22	WG1464831
tert-Butylbenzene	U		0.00219	0.00561	1	04/22/2020 22:22	WG1464831
Carbon disulfide	0.00133	J	0.000785	0.0140	1	04/22/2020 22:22	WG1464831
Carbon tetrachloride	U		0.00101	0.00561	1	04/22/2020 22:22	WG1464831
Chlorobenzene	U		0.000235	0.00280	1	04/22/2020 22:22	WG1464831
Chlorodibromomethane	U	J4	0.000686	0.00280	1	04/22/2020 22:22	WG1464831
Chloroethane	U		0.00191	0.00561	1	04/22/2020 22:22	WG1464831
Chloroform	U		0.00116	0.00280	1	04/22/2020 22:22	WG1464831
Chloromethane	U		0.00488	0.0140	1	04/22/2020 22:22	WG1464831
2-Chlorotoluene	U		0.000970	0.00280	1	04/22/2020 22:22	WG1464831
4-Chlorotoluene	U		0.000505	0.00561	1	04/22/2020 22:22	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00437	0.0280	1	04/22/2020 22:22	WG1464831
1,2-Dibromoethane	U		0.000727	0.00280	1	04/22/2020 22:22	WG1464831
Dibromomethane	U		0.000841	0.00561	1	04/22/2020 22:22	WG1464831
1,2-Dichlorobenzene	U		0.000477	0.00561	1	04/22/2020 22:22	WG1464831
1,3-Dichlorobenzene	U		0.000673	0.00561	1	04/22/2020 22:22	WG1464831
1,4-Dichlorobenzene	U		0.000785	0.00561	1	04/22/2020 22:22	WG1464831
Dichlorodifluoromethane	U		0.00181	0.00280	1	04/22/2020 22:22	WG1464831
1,1-Dichloroethane	U		0.000551	0.00280	1	04/22/2020 22:22	WG1464831
1,2-Dichloroethane	U		0.000728	0.00280	1	04/22/2020 22:22	WG1464831
1,1-Dichloroethene	U		0.000680	0.00280	1	04/22/2020 22:22	WG1464831
cis-1,2-Dichloroethene	U		0.000823	0.00280	1	04/22/2020 22:22	WG1464831
trans-1,2-Dichloroethene	U		0.00117	0.00561	1	04/22/2020 22:22	WG1464831
1,2-Dichloropropane	U		0.00159	0.00561	1	04/22/2020 22:22	WG1464831
1,1-Dichloropropene	U		0.000907	0.00280	1	04/22/2020 22:22	WG1464831
1,3-Dichloropropane	U		0.000562	0.00561	1	04/22/2020 22:22	WG1464831
cis-1,3-Dichloropropene	U		0.000849	0.00280	1	04/22/2020 22:22	WG1464831
trans-1,3-Dichloropropene	U		0.00128	0.00561	1	04/22/2020 22:22	WG1464831
trans-1,4-Dichloro-2-butene	U		0.00209	0.00561	1	04/22/2020 22:22	WG1464831
2,2-Dichloropropane	U	J4	0.00155	0.00280	1	04/22/2020 22:22	WG1464831
Di-isopropyl ether	U		0.000460	0.00112	1	04/22/2020 22:22	WG1464831
Ethylbenzene	0.00157	J	0.000826	0.00280	1	04/22/2020 22:22	WG1464831
Hexachloro-1,3-butadiene	U		0.00673	0.0280	1	04/22/2020 22:22	WG1464831
2-Hexanone	U		0.00377	0.0280	1	04/22/2020 22:22	WG1464831
n-Hexane	U		0.00253	0.00561	1	04/22/2020 22:22	WG1464831
Iodomethane	U		0.00260	0.0140	1	04/22/2020 22:22	WG1464831
Isopropylbenzene	U		0.000477	0.00280	1	04/22/2020 22:22	WG1464831
p-Isopropyltoluene	U		0.00286	0.00561	1	04/22/2020 22:22	WG1464831
2-Butanone (MEK)	U		0.0712	0.112	1	04/22/2020 22:22	WG1464831
Methylene Chloride	U		0.00745	0.0280	1	04/22/2020 22:22	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00256	0.0280	1	04/22/2020 22:22	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000392	0.00112	1	04/22/2020 22:22	WG1464831
Naphthalene	U		0.00547	0.0140	1	04/22/2020 22:22	WG1464831
n-Propylbenzene	U		0.00107	0.00561	1	04/22/2020 22:22	WG1464831
Styrene	0.00155	J	0.000257	0.0140	1	04/22/2020 22:22	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00106	0.00280	1	04/22/2020 22:22	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000779	0.00280	1	04/22/2020 22:22	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000846	0.00280	1	04/22/2020 22:22	WG1464831
Tetrachloroethene	0.00835		0.00100	0.00280	1	04/22/2020 22:22	WG1464831
Toluene	0.00963		0.00146	0.00561	1	04/22/2020 22:22	WG1464831
1,2,3-Trichlorobenzene	U		0.00822	0.0140	1	04/28/2020 03:43	WG1466991
1,2,4-Trichlorobenzene	U		0.00493	0.0140	1	04/22/2020 22:22	WG1464831
1,1,1-Trichloroethane	U		0.00104	0.00280	1	04/22/2020 22:22	WG1464831
1,1,2-Trichloroethane	U		0.000669	0.00280	1	04/22/2020 22:22	WG1464831
Trichloroethene	U		0.000655	0.00112	1	04/22/2020 22:22	WG1464831
Trichlorofluoromethane	U		0.000927	0.00280	1	04/22/2020 22:22	WG1464831
1,2,3-Trichloropropane	U		0.00182	0.0140	1	04/22/2020 22:22	WG1464831
1,2,4-Trimethylbenzene	0.00740		0.00177	0.00561	1	04/22/2020 22:22	WG1464831
1,2,3-Trimethylbenzene	0.00188	J	0.00177	0.00561	1	04/22/2020 22:22	WG1464831
1,3,5-Trimethylbenzene	0.00565		0.00224	0.00561	1	04/22/2020 22:22	WG1464831
Vinyl acetate	U		0.00285	0.0140	1	04/22/2020 22:22	WG1464831
Vinyl chloride	U	J4	0.00130	0.00280	1	04/22/2020 22:22	WG1464831
Xylenes, Total	0.0289		0.000987	0.00729	1	04/22/2020 22:22	WG1464831
(S) Toluene-d8	*107*			*75.0-131*		*04/22/2020 22:22*	WG1464831
(S) Toluene-d8	*106*			*75.0-131*		*04/28/2020 03:43*	WG1466991
(S) 4-Bromofluorobenzene	*99.5*			*67.0-138*		*04/22/2020 22:22*	WG1464831
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*04/28/2020 03:43*	WG1466991
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*		*04/22/2020 22:22*	WG1464831
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*04/28/2020 03:43*	WG1466991

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.9		1	04/27/2020 11:49	WG1465757

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0430	0.0589	1	04/22/2020 22:42	WG1464831
Acrylonitrile	U		0.00425	0.0147	1	04/22/2020 22:42	WG1464831
Benzene	0.00539		0.000550	0.00118	1	04/22/2020 22:42	WG1464831
Bromobenzene	U		0.00106	0.0147	1	04/22/2020 22:42	WG1464831
Bromodichloromethane	U		0.000854	0.00294	1	04/22/2020 22:42	WG1464831
Bromochloromethane	U		0.000664	0.00589	1	04/22/2020 22:42	WG1464831
Bromoform	U		0.00138	0.0294	1	04/22/2020 22:42	WG1464831
Bromomethane	U		0.00232	0.0147	1	04/22/2020 22:42	WG1464831
n-Butylbenzene	U		0.00618	0.0147	1	04/22/2020 22:42	WG1464831
sec-Butylbenzene	U		0.00339	0.0147	1	04/22/2020 22:42	WG1464831
tert-Butylbenzene	U		0.00230	0.00589	1	04/22/2020 22:42	WG1464831
Carbon disulfide	U		0.000824	0.0147	1	04/22/2020 22:42	WG1464831
Carbon tetrachloride	U		0.00106	0.00589	1	04/22/2020 22:42	WG1464831
Chlorobenzene	U		0.000247	0.00294	1	04/22/2020 22:42	WG1464831
Chlorodibromomethane	U	J4	0.000721	0.00294	1	04/22/2020 22:42	WG1464831
Chloroethane	U		0.00200	0.00589	1	04/22/2020 22:42	WG1464831
Chloroform	U		0.00121	0.00294	1	04/22/2020 22:42	WG1464831
Chloromethane	U		0.00512	0.0147	1	04/22/2020 22:42	WG1464831
2-Chlorotoluene	U		0.00102	0.00294	1	04/22/2020 22:42	WG1464831
4-Chlorotoluene	U		0.000530	0.00589	1	04/22/2020 22:42	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00459	0.0294	1	04/22/2020 22:42	WG1464831
1,2-Dibromoethane	U		0.000763	0.00294	1	04/22/2020 22:42	WG1464831
Dibromomethane	U		0.000883	0.00589	1	04/22/2020 22:42	WG1464831
1,2-Dichlorobenzene	U		0.000501	0.00589	1	04/22/2020 22:42	WG1464831
1,3-Dichlorobenzene	U		0.000707	0.00589	1	04/22/2020 22:42	WG1464831
1,4-Dichlorobenzene	U		0.000824	0.00589	1	04/22/2020 22:42	WG1464831
Dichlorodifluoromethane	U		0.00190	0.00294	1	04/22/2020 22:42	WG1464831
1,1-Dichloroethane	U		0.000578	0.00294	1	04/22/2020 22:42	WG1464831
1,2-Dichloroethane	U		0.000764	0.00294	1	04/22/2020 22:42	WG1464831
1,1-Dichloroethene	U		0.000714	0.00294	1	04/22/2020 22:42	WG1464831
cis-1,2-Dichloroethene	U		0.000864	0.00294	1	04/22/2020 22:42	WG1464831
trans-1,2-Dichloroethene	U		0.00122	0.00589	1	04/22/2020 22:42	WG1464831
1,2-Dichloropropane	U		0.00167	0.00589	1	04/22/2020 22:42	WG1464831
1,1-Dichloropropene	U		0.000953	0.00294	1	04/22/2020 22:42	WG1464831
1,3-Dichloropropane	U		0.000590	0.00589	1	04/22/2020 22:42	WG1464831
cis-1,3-Dichloropropene	U		0.000892	0.00294	1	04/22/2020 22:42	WG1464831
trans-1,3-Dichloropropene	U		0.00134	0.00589	1	04/22/2020 22:42	WG1464831
trans-1,4-Dichloro-2-butene	U		0.00219	0.00589	1	04/22/2020 22:42	WG1464831
2,2-Dichloropropane	U	J4	0.00163	0.00294	1	04/22/2020 22:42	WG1464831
Di-isopropyl ether	U		0.000483	0.00118	1	04/22/2020 22:42	WG1464831
Ethylbenzene	0.00137	J	0.000868	0.00294	1	04/22/2020 22:42	WG1464831
Hexachloro-1,3-butadiene	U		0.00707	0.0294	1	04/22/2020 22:42	WG1464831
2-Hexanone	U		0.00396	0.0294	1	04/22/2020 22:42	WG1464831
n-Hexane	0.0204	J0	0.00266	0.00589	1	04/22/2020 22:42	WG1464831
Iodomethane	U		0.00273	0.0147	1	04/22/2020 22:42	WG1464831
Isopropylbenzene	U		0.000501	0.00294	1	04/22/2020 22:42	WG1464831
p-Isopropyltoluene	U		0.00300	0.00589	1	04/22/2020 22:42	WG1464831
2-Butanone (MEK)	U		0.0748	0.118	1	04/22/2020 22:42	WG1464831
Methylene Chloride	U		0.00782	0.0294	1	04/22/2020 22:42	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00269	0.0294	1	04/22/2020 22:42	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000412	0.00118	1	04/22/2020 22:42	WG1464831
Naphthalene	U		0.00575	0.0147	1	04/22/2020 22:42	WG1464831
n-Propylbenzene	0.00112	J	0.00112	0.00589	1	04/22/2020 22:42	WG1464831
Styrene	U		0.000270	0.0147	1	04/22/2020 22:42	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00112	0.00294	1	04/22/2020 22:42	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000819	0.00294	1	04/22/2020 22:42	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000888	0.00294	1	04/22/2020 22:42	WG1464831
Tetrachloroethene	0.00309		0.00106	0.00294	1	04/22/2020 22:42	WG1464831
Toluene	0.00790		0.00153	0.00589	1	04/22/2020 22:42	WG1464831
1,2,3-Trichlorobenzene	U		0.00863	0.0147	1	04/28/2020 04:02	WG1466991
1,2,4-Trichlorobenzene	U		0.00518	0.0147	1	04/22/2020 22:42	WG1464831
1,1,1-Trichloroethane	U		0.00109	0.00294	1	04/22/2020 22:42	WG1464831
1,1,2-Trichloroethane	U		0.000703	0.00294	1	04/22/2020 22:42	WG1464831
Trichloroethene	U		0.000688	0.00118	1	04/22/2020 22:42	WG1464831
Trichlorofluoromethane	U		0.000974	0.00294	1	04/22/2020 22:42	WG1464831
1,2,3-Trichloropropane	U		0.00191	0.0147	1	04/22/2020 22:42	WG1464831
1,2,4-Trimethylbenzene	0.00910		0.00186	0.00589	1	04/22/2020 22:42	WG1464831
1,2,3-Trimethylbenzene	0.00647		0.00186	0.00589	1	04/22/2020 22:42	WG1464831
1,3,5-Trimethylbenzene	0.00440	J	0.00236	0.00589	1	04/22/2020 22:42	WG1464831
Vinyl acetate	U		0.00299	0.0147	1	04/22/2020 22:42	WG1464831
Vinyl chloride	U	J4	0.00137	0.00294	1	04/22/2020 22:42	WG1464831
Xylenes, Total	0.0199		0.00104	0.00766	1	04/22/2020 22:42	WG1464831
(S) Toluene-d8	*102*			*75.0-131*		*04/22/2020 22:42*	WG1464831
(S) Toluene-d8	*105*			*75.0-131*		*04/28/2020 04:02*	WG1466991
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*		*04/22/2020 22:42*	WG1464831
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*		*04/28/2020 04:02*	WG1466991
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*04/22/2020 22:42*	WG1464831
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/28/2020 04:02*	WG1466991

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.7		1	04/27/2020 11:49	WG1465757

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0421	0.0577	1	04/22/2020 23:03	WG1464831
Acrylonitrile	U		0.00416	0.0144	1	04/22/2020 23:03	WG1464831
Benzene	0.00223		0.000539	0.00115	1	04/22/2020 23:03	WG1464831
Bromobenzene	U		0.00104	0.0144	1	04/22/2020 23:03	WG1464831
Bromodichloromethane	U		0.000836	0.00288	1	04/22/2020 23:03	WG1464831
Bromochloromethane	U		0.000651	0.00577	1	04/22/2020 23:03	WG1464831
Bromoform	U		0.00135	0.0288	1	04/22/2020 23:03	WG1464831
Bromomethane	U		0.00227	0.0144	1	04/22/2020 23:03	WG1464831
n-Butylbenzene	U		0.00606	0.0144	1	04/22/2020 23:03	WG1464831
sec-Butylbenzene	U		0.00332	0.0144	1	04/22/2020 23:03	WG1464831
tert-Butylbenzene	U		0.00225	0.00577	1	04/22/2020 23:03	WG1464831
Carbon disulfide	U		0.000807	0.0144	1	04/22/2020 23:03	WG1464831
Carbon tetrachloride	U		0.00104	0.00577	1	04/22/2020 23:03	WG1464831
Chlorobenzene	U		0.000242	0.00288	1	04/22/2020 23:03	WG1464831
Chlorodibromomethane	U	J4	0.000706	0.00288	1	04/22/2020 23:03	WG1464831
Chloroethane	U		0.00196	0.00577	1	04/22/2020 23:03	WG1464831
Chloroform	U		0.00119	0.00288	1	04/22/2020 23:03	WG1464831
Chloromethane	U		0.00502	0.0144	1	04/22/2020 23:03	WG1464831
2-Chlorotoluene	U		0.000998	0.00288	1	04/22/2020 23:03	WG1464831
4-Chlorotoluene	U		0.000519	0.00577	1	04/22/2020 23:03	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00450	0.0288	1	04/22/2020 23:03	WG1464831
1,2-Dibromoethane	U		0.000747	0.00288	1	04/22/2020 23:03	WG1464831
Dibromomethane	U		0.000865	0.00577	1	04/22/2020 23:03	WG1464831
1,2-Dichlorobenzene	U		0.000490	0.00577	1	04/22/2020 23:03	WG1464831
1,3-Dichlorobenzene	U		0.000692	0.00577	1	04/22/2020 23:03	WG1464831
1,4-Dichlorobenzene	U		0.000807	0.00577	1	04/22/2020 23:03	WG1464831
Dichlorodifluoromethane	U		0.00186	0.00288	1	04/22/2020 23:03	WG1464831
1,1-Dichloroethane	U		0.000566	0.00288	1	04/22/2020 23:03	WG1464831
1,2-Dichloroethane	U		0.000749	0.00288	1	04/22/2020 23:03	WG1464831
1,1-Dichloroethene	U		0.000699	0.00288	1	04/22/2020 23:03	WG1464831
cis-1,2-Dichloroethene	U		0.000847	0.00288	1	04/22/2020 23:03	WG1464831
trans-1,2-Dichloroethene	U		0.00120	0.00577	1	04/22/2020 23:03	WG1464831
1,2-Dichloropropane	U		0.00164	0.00577	1	04/22/2020 23:03	WG1464831
1,1-Dichloropropene	U		0.000933	0.00288	1	04/22/2020 23:03	WG1464831
1,3-Dichloropropane	U		0.000578	0.00577	1	04/22/2020 23:03	WG1464831
cis-1,3-Dichloropropene	U		0.000873	0.00288	1	04/22/2020 23:03	WG1464831
trans-1,3-Dichloropropene	U		0.00132	0.00577	1	04/22/2020 23:03	WG1464831
trans-1,4-Dichloro-2-butene	U		0.00215	0.00577	1	04/22/2020 23:03	WG1464831
2,2-Dichloropropane	U	J4	0.00159	0.00288	1	04/22/2020 23:03	WG1464831
Di-isopropyl ether	U		0.000473	0.00115	1	04/22/2020 23:03	WG1464831
Ethylbenzene	U		0.000850	0.00288	1	04/22/2020 23:03	WG1464831
Hexachloro-1,3-butadiene	U		0.00692	0.0288	1	04/22/2020 23:03	WG1464831
2-Hexanone	U		0.00388	0.0288	1	04/22/2020 23:03	WG1464831
n-Hexane	U		0.00261	0.00577	1	04/22/2020 23:03	WG1464831
Iodomethane	U		0.00268	0.0144	1	04/22/2020 23:03	WG1464831
Isopropylbenzene	U		0.000490	0.00288	1	04/22/2020 23:03	WG1464831
p-Isopropyltoluene	U		0.00294	0.00577	1	04/22/2020 23:03	WG1464831
2-Butanone (MEK)	U		0.0733	0.115	1	04/22/2020 23:03	WG1464831
Methylene Chloride	U		0.00766	0.0288	1	04/22/2020 23:03	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00263	0.0288	1	04/22/2020 23:03	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000404	0.00115	1	04/22/2020 23:03	WG1464831
Naphthalene	U		0.00563	0.0144	1	04/22/2020 23:03	WG1464831
n-Propylbenzene	U		0.00110	0.00577	1	04/22/2020 23:03	WG1464831
Styrene	U		0.000264	0.0144	1	04/22/2020 23:03	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00109	0.00288	1	04/22/2020 23:03	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000802	0.00288	1	04/22/2020 23:03	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000870	0.00288	1	04/22/2020 23:03	WG1464831
Tetrachloroethene	0.00161	J	0.00103	0.00288	1	04/22/2020 23:03	WG1464831
Toluene	0.0121		0.00150	0.00577	1	04/22/2020 23:03	WG1464831
1,2,3-Trichlorobenzene	U		0.00846	0.0144	1	04/28/2020 04:21	WG1466991
1,2,4-Trichlorobenzene	U		0.00508	0.0144	1	04/22/2020 23:03	WG1464831
1,1,1-Trichloroethane	U		0.00106	0.00288	1	04/22/2020 23:03	WG1464831
1,1,2-Trichloroethane	U		0.000689	0.00288	1	04/22/2020 23:03	WG1464831
Trichloroethene	U		0.000674	0.00115	1	04/22/2020 23:03	WG1464831
Trichlorofluoromethane	U		0.000954	0.00288	1	04/22/2020 23:03	WG1464831
1,2,3-Trichloropropane	U		0.00187	0.0144	1	04/22/2020 23:03	WG1464831
1,2,4-Trimethylbenzene	U		0.00182	0.00577	1	04/22/2020 23:03	WG1464831
1,2,3-Trimethylbenzene	U		0.00182	0.00577	1	04/22/2020 23:03	WG1464831
1,3,5-Trimethylbenzene	U		0.00231	0.00577	1	04/22/2020 23:03	WG1464831
Vinyl acetate	U		0.00293	0.0144	1	04/22/2020 23:03	WG1464831
Vinyl chloride	U	J4	0.00134	0.00288	1	04/22/2020 23:03	WG1464831
Xylenes, Total	0.00232	J	0.00102	0.00750	1	04/22/2020 23:03	WG1464831
(S) Toluene-d8	*105*			*75.0-131*		*04/22/2020 23:03*	WG1464831
(S) Toluene-d8	*106*			*75.0-131*		*04/28/2020 04:21*	WG1466991
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*04/22/2020 23:03*	WG1464831
(S) 4-Bromofluorobenzene	*97.0*			*67.0-138*		*04/28/2020 04:21*	WG1466991
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/22/2020 23:03*	WG1464831
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*		*04/28/2020 04:21*	WG1466991

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.3		1	04/27/2020 11:49	WG1465757

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0428	0.0586	1	04/22/2020 23:23	WG1464831
Acrylonitrile	U		0.00423	0.0146	1	04/22/2020 23:23	WG1464831
Benzene	0.00100	J	0.000547	0.00117	1	04/22/2020 23:23	WG1464831
Bromobenzene	U		0.00105	0.0146	1	04/22/2020 23:23	WG1464831
Bromodichloromethane	U		0.000850	0.00293	1	04/22/2020 23:23	WG1464831
Bromochloromethane	U		0.000661	0.00586	1	04/22/2020 23:23	WG1464831
Bromoform	U		0.00137	0.0293	1	04/22/2020 23:23	WG1464831
Bromomethane	U		0.00231	0.0146	1	04/22/2020 23:23	WG1464831
n-Butylbenzene	U		0.00615	0.0146	1	04/22/2020 23:23	WG1464831
sec-Butylbenzene	U		0.00338	0.0146	1	04/22/2020 23:23	WG1464831
tert-Butylbenzene	U		0.00229	0.00586	1	04/22/2020 23:23	WG1464831
Carbon disulfide	U		0.000820	0.0146	1	04/22/2020 23:23	WG1464831
Carbon tetrachloride	U		0.00105	0.00586	1	04/22/2020 23:23	WG1464831
Chlorobenzene	U		0.000246	0.00293	1	04/22/2020 23:23	WG1464831
Chlorodibromomethane	U	J4	0.000717	0.00293	1	04/22/2020 23:23	WG1464831
Chloroethane	U		0.00199	0.00586	1	04/22/2020 23:23	WG1464831
Chloroform	U		0.00121	0.00293	1	04/22/2020 23:23	WG1464831
Chloromethane	U		0.00510	0.0146	1	04/22/2020 23:23	WG1464831
2-Chlorotoluene	U		0.00101	0.00293	1	04/22/2020 23:23	WG1464831
4-Chlorotoluene	U		0.000527	0.00586	1	04/22/2020 23:23	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00457	0.0293	1	04/22/2020 23:23	WG1464831
1,2-Dibromoethane	U		0.000759	0.00293	1	04/22/2020 23:23	WG1464831
Dibromomethane	U		0.000879	0.00586	1	04/22/2020 23:23	WG1464831
1,2-Dichlorobenzene	U		0.000498	0.00586	1	04/22/2020 23:23	WG1464831
1,3-Dichlorobenzene	U		0.000703	0.00586	1	04/22/2020 23:23	WG1464831
1,4-Dichlorobenzene	U		0.000820	0.00586	1	04/22/2020 23:23	WG1464831
Dichlorodifluoromethane	U		0.00189	0.00293	1	04/22/2020 23:23	WG1464831
1,1-Dichloroethane	U		0.000575	0.00293	1	04/22/2020 23:23	WG1464831
1,2-Dichloroethane	U		0.000761	0.00293	1	04/22/2020 23:23	WG1464831
1,1-Dichloroethene	U		0.000710	0.00293	1	04/22/2020 23:23	WG1464831
cis-1,2-Dichloroethene	U		0.000860	0.00293	1	04/22/2020 23:23	WG1464831
trans-1,2-Dichloroethene	U		0.00122	0.00586	1	04/22/2020 23:23	WG1464831
1,2-Dichloropropane	U		0.00166	0.00586	1	04/22/2020 23:23	WG1464831
1,1-Dichloropropene	U		0.000948	0.00293	1	04/22/2020 23:23	WG1464831
1,3-Dichloropropane	U		0.000587	0.00586	1	04/22/2020 23:23	WG1464831
cis-1,3-Dichloropropene	U		0.000887	0.00293	1	04/22/2020 23:23	WG1464831
trans-1,3-Dichloropropene	U		0.00134	0.00586	1	04/22/2020 23:23	WG1464831
trans-1,4-Dichloro-2-butene	U		0.00218	0.00586	1	04/22/2020 23:23	WG1464831
2,2-Dichloropropane	U	J4	0.00162	0.00293	1	04/22/2020 23:23	WG1464831
Di-isopropyl ether	U		0.000480	0.00117	1	04/22/2020 23:23	WG1464831
Ethylbenzene	U		0.000864	0.00293	1	04/22/2020 23:23	WG1464831
Hexachloro-1,3-butadiene	U		0.00703	0.0293	1	04/22/2020 23:23	WG1464831
2-Hexanone	U		0.00394	0.0293	1	04/22/2020 23:23	WG1464831
n-Hexane	U		0.00265	0.00586	1	04/22/2020 23:23	WG1464831
Iodomethane	U		0.00272	0.0146	1	04/22/2020 23:23	WG1464831
Isopropylbenzene	U		0.000498	0.00293	1	04/22/2020 23:23	WG1464831
p-Isopropyltoluene	U		0.00299	0.00586	1	04/22/2020 23:23	WG1464831
2-Butanone (MEK)	U		0.0744	0.117	1	04/22/2020 23:23	WG1464831
Methylene Chloride	U		0.00778	0.0293	1	04/22/2020 23:23	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00267	0.0293	1	04/22/2020 23:23	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000410	0.00117	1	04/22/2020 23:23	WG1464831
Naphthalene	U		0.00572	0.0146	1	04/22/2020 23:23	WG1464831
n-Propylbenzene	U		0.00111	0.00586	1	04/22/2020 23:23	WG1464831
Styrene	U		0.000268	0.0146	1	04/22/2020 23:23	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00111	0.00293	1	04/22/2020 23:23	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000814	0.00293	1	04/22/2020 23:23	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000884	0.00293	1	04/22/2020 23:23	WG1464831
Tetrachloroethene	U		0.00105	0.00293	1	04/22/2020 23:23	WG1464831
Toluene	0.00648		0.00152	0.00586	1	04/22/2020 23:23	WG1464831
1,2,3-Trichlorobenzene	U		0.00859	0.0146	1	04/28/2020 04:40	WG1466991
1,2,4-Trichlorobenzene	U		0.00516	0.0146	1	04/22/2020 23:23	WG1464831
1,1,1-Trichloroethane	U		0.00108	0.00293	1	04/22/2020 23:23	WG1464831
1,1,2-Trichloroethane	U		0.000700	0.00293	1	04/22/2020 23:23	WG1464831
Trichloroethene	U		0.000684	0.00117	1	04/22/2020 23:23	WG1464831
Trichlorofluoromethane	U		0.000969	0.00293	1	04/22/2020 23:23	WG1464831
1,2,3-Trichloropropane	U		0.00190	0.0146	1	04/22/2020 23:23	WG1464831
1,2,4-Trimethylbenzene	U		0.00185	0.00586	1	04/22/2020 23:23	WG1464831
1,2,3-Trimethylbenzene	U		0.00185	0.00586	1	04/22/2020 23:23	WG1464831
1,3,5-Trimethylbenzene	U		0.00234	0.00586	1	04/22/2020 23:23	WG1464831
Vinyl acetate	U		0.00298	0.0146	1	04/22/2020 23:23	WG1464831
Vinyl chloride	U	J4	0.00136	0.00293	1	04/22/2020 23:23	WG1464831
Xylenes, Total	0.00156	J	0.00103	0.00762	1	04/22/2020 23:23	WG1464831
(S) Toluene-d8	*108*			*75.0-131*		*04/22/2020 23:23*	WG1464831
(S) Toluene-d8	*107*			*75.0-131*		*04/28/2020 04:40*	WG1466991
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*04/22/2020 23:23*	WG1464831
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*04/28/2020 04:40*	WG1466991
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*04/22/2020 23:23*	WG1464831
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/28/2020 04:40*	WG1466991

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.4		1	04/27/2020 11:49	WG1465757

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0443	0.0607	1	04/22/2020 23:43	WG1464831
Acrylonitrile	U		0.00438	0.0152	1	04/22/2020 23:43	WG1464831
Benzene	U		0.000567	0.00121	1	04/22/2020 23:43	WG1464831
Bromobenzene	U		0.00109	0.0152	1	04/22/2020 23:43	WG1464831
Bromodichloromethane	U		0.000880	0.00303	1	04/22/2020 23:43	WG1464831
Bromochloromethane	U		0.000684	0.00607	1	04/22/2020 23:43	WG1464831
Bromoform	U		0.00142	0.0303	1	04/22/2020 23:43	WG1464831
Bromomethane	U		0.00239	0.0152	1	04/22/2020 23:43	WG1464831
n-Butylbenzene	U		0.00637	0.0152	1	04/22/2020 23:43	WG1464831
sec-Butylbenzene	U		0.00349	0.0152	1	04/22/2020 23:43	WG1464831
tert-Butylbenzene	U		0.00237	0.00607	1	04/22/2020 23:43	WG1464831
Carbon disulfide	U		0.000849	0.0152	1	04/22/2020 23:43	WG1464831
Carbon tetrachloride	U		0.00109	0.00607	1	04/22/2020 23:43	WG1464831
Chlorobenzene	U		0.000255	0.00303	1	04/22/2020 23:43	WG1464831
Chlorodibromomethane	U	J4	0.000743	0.00303	1	04/22/2020 23:43	WG1464831
Chloroethane	U		0.00206	0.00607	1	04/22/2020 23:43	WG1464831
Chloroform	0.00136	B J	0.00125	0.00303	1	04/22/2020 23:43	WG1464831
Chloromethane	U		0.00528	0.0152	1	04/22/2020 23:43	WG1464831
2-Chlorotoluene	U		0.00105	0.00303	1	04/22/2020 23:43	WG1464831
4-Chlorotoluene	U		0.000546	0.00607	1	04/22/2020 23:43	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00473	0.0303	1	04/22/2020 23:43	WG1464831
1,2-Dibromoethane	U		0.000786	0.00303	1	04/22/2020 23:43	WG1464831
Dibromomethane	U		0.000910	0.00607	1	04/22/2020 23:43	WG1464831
1,2-Dichlorobenzene	U		0.000516	0.00607	1	04/22/2020 23:43	WG1464831
1,3-Dichlorobenzene	U		0.000728	0.00607	1	04/22/2020 23:43	WG1464831
1,4-Dichlorobenzene	U		0.000849	0.00607	1	04/22/2020 23:43	WG1464831
Dichlorodifluoromethane	U		0.00195	0.00303	1	04/22/2020 23:43	WG1464831
1,1-Dichloroethane	U		0.000596	0.00303	1	04/22/2020 23:43	WG1464831
1,2-Dichloroethane	U		0.000788	0.00303	1	04/22/2020 23:43	WG1464831
1,1-Dichloroethene	U		0.000735	0.00303	1	04/22/2020 23:43	WG1464831
cis-1,2-Dichloroethene	U		0.000891	0.00303	1	04/22/2020 23:43	WG1464831
trans-1,2-Dichloroethene	U		0.00126	0.00607	1	04/22/2020 23:43	WG1464831
1,2-Dichloropropane	U		0.00172	0.00607	1	04/22/2020 23:43	WG1464831
1,1-Dichloropropene	U		0.000982	0.00303	1	04/22/2020 23:43	WG1464831
1,3-Dichloropropane	U		0.000608	0.00607	1	04/22/2020 23:43	WG1464831
cis-1,3-Dichloropropene	U		0.000919	0.00303	1	04/22/2020 23:43	WG1464831
trans-1,3-Dichloropropene	U		0.00138	0.00607	1	04/22/2020 23:43	WG1464831
trans-1,4-Dichloro-2-butene	U		0.00226	0.00607	1	04/22/2020 23:43	WG1464831
2,2-Dichloropropane	U	J4	0.00167	0.00303	1	04/22/2020 23:43	WG1464831
Di-isopropyl ether	U		0.000498	0.00121	1	04/22/2020 23:43	WG1464831
Ethylbenzene	U		0.000894	0.00303	1	04/22/2020 23:43	WG1464831
Hexachloro-1,3-butadiene	U		0.00728	0.0303	1	04/22/2020 23:43	WG1464831
2-Hexanone	U		0.00408	0.0303	1	04/22/2020 23:43	WG1464831
n-Hexane	U		0.00274	0.00607	1	04/22/2020 23:43	WG1464831
Iodomethane	U		0.00282	0.0152	1	04/22/2020 23:43	WG1464831
Isopropylbenzene	U		0.000516	0.00303	1	04/22/2020 23:43	WG1464831
p-Isopropyltoluene	U		0.00309	0.00607	1	04/22/2020 23:43	WG1464831
2-Butanone (MEK)	U		0.0771	0.121	1	04/22/2020 23:43	WG1464831
Methylene Chloride	U		0.00806	0.0303	1	04/22/2020 23:43	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00277	0.0303	1	04/22/2020 23:43	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000425	0.00121	1	04/22/2020 23:43	WG1464831
Naphthalene	U		0.00592	0.0152	1	04/22/2020 23:43	WG1464831
n-Propylbenzene	U		0.00115	0.00607	1	04/22/2020 23:43	WG1464831
Styrene	U		0.000278	0.0152	1	04/22/2020 23:43	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00115	0.00303	1	04/22/2020 23:43	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000843	0.00303	1	04/22/2020 23:43	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000915	0.00303	1	04/22/2020 23:43	WG1464831
Tetrachloroethene	U		0.00109	0.00303	1	04/22/2020 23:43	WG1464831
Toluene	U		0.00158	0.00607	1	04/22/2020 23:43	WG1464831
1,2,3-Trichlorobenzene	U		0.00889	0.0152	1	04/28/2020 05:00	WG1466991
1,2,4-Trichlorobenzene	U		0.00534	0.0152	1	04/22/2020 23:43	WG1464831
1,1,1-Trichloroethane	U		0.00112	0.00303	1	04/22/2020 23:43	WG1464831
1,1,2-Trichloroethane	U		0.000724	0.00303	1	04/22/2020 23:43	WG1464831
Trichloroethene	U		0.000709	0.00121	1	04/22/2020 23:43	WG1464831
Trichlorofluoromethane	U		0.00100	0.00303	1	04/22/2020 23:43	WG1464831
1,2,3-Trichloropropane	U		0.00197	0.0152	1	04/22/2020 23:43	WG1464831
1,2,4-Trimethylbenzene	U		0.00192	0.00607	1	04/22/2020 23:43	WG1464831
1,2,3-Trimethylbenzene	U		0.00192	0.00607	1	04/22/2020 23:43	WG1464831
1,3,5-Trimethylbenzene	U		0.00243	0.00607	1	04/22/2020 23:43	WG1464831
Vinyl acetate	U		0.00308	0.0152	1	04/22/2020 23:43	WG1464831
Vinyl chloride	U	J4	0.00141	0.00303	1	04/22/2020 23:43	WG1464831
Xylenes, Total	U		0.00107	0.00789	1	04/22/2020 23:43	WG1464831
(S) Toluene-d8	*102*			*75.0-131*		*04/22/2020 23:43*	WG1464831
(S) Toluene-d8	*106*			*75.0-131*		*04/28/2020 05:00*	WG1466991
(S) 4-Bromofluorobenzene	*96.7*			*67.0-138*		*04/22/2020 23:43*	WG1464831
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*		*04/28/2020 05:00*	WG1466991
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*		*04/22/2020 23:43*	WG1464831
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/28/2020 05:00*	WG1466991

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.7		1	04/27/2020 11:49	WG1465757

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0452	0.0620	1	04/23/2020 00:03	WG1464831
Acrylonitrile	U		0.00447	0.0155	1	04/23/2020 00:03	WG1464831
Benzene	U		0.000579	0.00124	1	04/23/2020 00:03	WG1464831
Bromobenzene	U		0.00112	0.0155	1	04/23/2020 00:03	WG1464831
Bromodichloromethane	U		0.000899	0.00310	1	04/23/2020 00:03	WG1464831
Bromochloromethane	U		0.000699	0.00620	1	04/23/2020 00:03	WG1464831
Bromoform	U		0.00145	0.0310	1	04/23/2020 00:03	WG1464831
Bromomethane	U		0.00244	0.0155	1	04/23/2020 00:03	WG1464831
n-Butylbenzene	U		0.00651	0.0155	1	04/23/2020 00:03	WG1464831
sec-Butylbenzene	U		0.00357	0.0155	1	04/23/2020 00:03	WG1464831
tert-Butylbenzene	U		0.00242	0.00620	1	04/23/2020 00:03	WG1464831
Carbon disulfide	U		0.000868	0.0155	1	04/23/2020 00:03	WG1464831
Carbon tetrachloride	U		0.00111	0.00620	1	04/23/2020 00:03	WG1464831
Chlorobenzene	U		0.000260	0.00310	1	04/23/2020 00:03	WG1464831
Chlorodibromomethane	U	J4	0.000759	0.00310	1	04/23/2020 00:03	WG1464831
Chloroethane	U		0.00211	0.00620	1	04/23/2020 00:03	WG1464831
Chloroform	U		0.00128	0.00310	1	04/23/2020 00:03	WG1464831
Chloromethane	U		0.00539	0.0155	1	04/23/2020 00:03	WG1464831
2-Chlorotoluene	U		0.00107	0.00310	1	04/23/2020 00:03	WG1464831
4-Chlorotoluene	U		0.000558	0.00620	1	04/23/2020 00:03	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00483	0.0310	1	04/23/2020 00:03	WG1464831
1,2-Dibromoethane	U		0.000803	0.00310	1	04/23/2020 00:03	WG1464831
Dibromomethane	U		0.000930	0.00620	1	04/23/2020 00:03	WG1464831
1,2-Dichlorobenzene	U		0.000527	0.00620	1	04/23/2020 00:03	WG1464831
1,3-Dichlorobenzene	U		0.000744	0.00620	1	04/23/2020 00:03	WG1464831
1,4-Dichlorobenzene	U		0.000868	0.00620	1	04/23/2020 00:03	WG1464831
Dichlorodifluoromethane	U		0.00200	0.00310	1	04/23/2020 00:03	WG1464831
1,1-Dichloroethane	U		0.000609	0.00310	1	04/23/2020 00:03	WG1464831
1,2-Dichloroethane	U		0.000804	0.00310	1	04/23/2020 00:03	WG1464831
1,1-Dichloroethene	U		0.000751	0.00310	1	04/23/2020 00:03	WG1464831
cis-1,2-Dichloroethene	U		0.000910	0.00310	1	04/23/2020 00:03	WG1464831
trans-1,2-Dichloroethene	U		0.00129	0.00620	1	04/23/2020 00:03	WG1464831
1,2-Dichloropropane	U		0.00176	0.00620	1	04/23/2020 00:03	WG1464831
1,1-Dichloropropene	U		0.00100	0.00310	1	04/23/2020 00:03	WG1464831
1,3-Dichloropropane	U		0.000621	0.00620	1	04/23/2020 00:03	WG1464831
cis-1,3-Dichloropropene	U		0.000938	0.00310	1	04/23/2020 00:03	WG1464831
trans-1,3-Dichloropropene	U		0.00141	0.00620	1	04/23/2020 00:03	WG1464831
trans-1,4-Dichloro-2-butene	U		0.00231	0.00620	1	04/23/2020 00:03	WG1464831
2,2-Dichloropropane	U	J4	0.00171	0.00310	1	04/23/2020 00:03	WG1464831
Di-isopropyl ether	U		0.000508	0.00124	1	04/23/2020 00:03	WG1464831
Ethylbenzene	U		0.000914	0.00310	1	04/23/2020 00:03	WG1464831
Hexachloro-1,3-butadiene	U		0.00744	0.0310	1	04/23/2020 00:03	WG1464831
2-Hexanone	U		0.00416	0.0310	1	04/23/2020 00:03	WG1464831
n-Hexane	U		0.00280	0.00620	1	04/23/2020 00:03	WG1464831
Iodomethane	U		0.00288	0.0155	1	04/23/2020 00:03	WG1464831
Isopropylbenzene	U		0.000527	0.00310	1	04/23/2020 00:03	WG1464831
p-Isopropyltoluene	U		0.00316	0.00620	1	04/23/2020 00:03	WG1464831
2-Butanone (MEK)	U		0.0787	0.124	1	04/23/2020 00:03	WG1464831
Methylene Chloride	U		0.00823	0.0310	1	04/23/2020 00:03	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00283	0.0310	1	04/23/2020 00:03	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000434	0.00124	1	04/23/2020 00:03	WG1464831
Naphthalene	U		0.00605	0.0155	1	04/23/2020 00:03	WG1464831
n-Propylbenzene	U		0.00118	0.00620	1	04/23/2020 00:03	WG1464831
Styrene	U		0.000284	0.0155	1	04/23/2020 00:03	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00118	0.00310	1	04/23/2020 00:03	WG1464831
1,1,2,2-Tetrachloroethane	U		0.000861	0.00310	1	04/23/2020 00:03	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.000935	0.00310	1	04/23/2020 00:03	WG1464831
Tetrachloroethene	U		0.00111	0.00310	1	04/23/2020 00:03	WG1464831
Toluene	U		0.00161	0.00620	1	04/23/2020 00:03	WG1464831
1,2,3-Trichlorobenzene	U		0.00909	0.0155	1	04/28/2020 05:19	WG1466991
1,2,4-Trichlorobenzene	U		0.00545	0.0155	1	04/23/2020 00:03	WG1464831
1,1,1-Trichloroethane	U		0.00114	0.00310	1	04/23/2020 00:03	WG1464831
1,1,2-Trichloroethane	U		0.000740	0.00310	1	04/23/2020 00:03	WG1464831
Trichloroethene	U		0.000724	0.00124	1	04/23/2020 00:03	WG1464831
Trichlorofluoromethane	U		0.00103	0.00310	1	04/23/2020 00:03	WG1464831
1,2,3-Trichloropropane	U		0.00201	0.0155	1	04/23/2020 00:03	WG1464831
1,2,4-Trimethylbenzene	U		0.00196	0.00620	1	04/23/2020 00:03	WG1464831
1,2,3-Trimethylbenzene	U		0.00196	0.00620	1	04/23/2020 00:03	WG1464831
1,3,5-Trimethylbenzene	U		0.00248	0.00620	1	04/23/2020 00:03	WG1464831
Vinyl acetate	U		0.00315	0.0155	1	04/23/2020 00:03	WG1464831
Vinyl chloride	U	J4	0.00144	0.00310	1	04/23/2020 00:03	WG1464831
Xylenes, Total	U		0.00109	0.00806	1	04/23/2020 00:03	WG1464831
(S) Toluene-d8	*105*			*75.0-131*		*04/23/2020 00:03*	WG1464831
(S) Toluene-d8	*106*			*75.0-131*		*04/28/2020 05:19*	WG1466991
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*04/23/2020 00:03*	WG1464831
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*04/28/2020 05:19*	WG1466991
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/23/2020 00:03*	WG1464831
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*04/28/2020 05:19*	WG1466991

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	64.8		1	04/27/2020 11:49	WG1465757

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	49.7	B	2.62	7.72	50	04/23/2020 19:41	WG1465276
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*04/23/2020 19:41*	WG1465276

Sample Narrative:

L1210278-21 WG1465276: Elevated RL due to limited sample volume. No discernable petroleum pattern present.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.246		0.0564	0.0772	1	04/23/2020 00:23	WG1464831
Acrylonitrile	U		0.00557	0.0193	1	04/23/2020 00:23	WG1464831
Benzene	0.259		0.000721	0.00154	1	04/23/2020 00:23	WG1464831
Bromobenzene	U		0.00139	0.0193	1	04/23/2020 00:23	WG1464831
Bromodichloromethane	U		0.00112	0.00386	1	04/23/2020 00:23	WG1464831
Bromochloromethane	U		0.000871	0.00772	1	04/23/2020 00:23	WG1464831
Bromoform	U		0.00181	0.0386	1	04/23/2020 00:23	WG1464831
Bromomethane	U		0.00304	0.0193	1	04/23/2020 00:23	WG1464831
n-Butylbenzene	U		0.00811	0.0193	1	04/23/2020 00:23	WG1464831
sec-Butylbenzene	0.0205		0.00445	0.0193	1	04/23/2020 00:23	WG1464831
tert-Butylbenzene	U		0.00301	0.00772	1	04/23/2020 00:23	WG1464831
Carbon disulfide	0.0239		0.00108	0.0193	1	04/23/2020 00:23	WG1464831
Carbon tetrachloride	U		0.00139	0.00772	1	04/23/2020 00:23	WG1464831
Chlorobenzene	U		0.000324	0.00386	1	04/23/2020 00:23	WG1464831
Chlorodibromomethane	U	J4	0.000945	0.00386	1	04/23/2020 00:23	WG1464831
Chloroethane	U		0.00262	0.00772	1	04/23/2020 00:23	WG1464831
Chloroform	U		0.00159	0.00386	1	04/23/2020 00:23	WG1464831
Chloromethane	U		0.00672	0.0193	1	04/23/2020 00:23	WG1464831
2-Chlorotoluene	U		0.00134	0.00386	1	04/23/2020 00:23	WG1464831
4-Chlorotoluene	U		0.000695	0.00772	1	04/23/2020 00:23	WG1464831
1,2-Dibromo-3-Chloropropane	U		0.00602	0.0386	1	04/23/2020 00:23	WG1464831
1,2-Dibromoethane	U		0.00100	0.00386	1	04/23/2020 00:23	WG1464831
Dibromomethane	U		0.00116	0.00772	1	04/23/2020 00:23	WG1464831
1,2-Dichlorobenzene	U		0.000656	0.00772	1	04/23/2020 00:23	WG1464831
1,3-Dichlorobenzene	U		0.000926	0.00772	1	04/23/2020 00:23	WG1464831
1,4-Dichlorobenzene	U		0.00108	0.00772	1	04/23/2020 00:23	WG1464831
Dichlorodifluoromethane	U		0.00249	0.00386	1	04/23/2020 00:23	WG1464831
1,1-Dichloroethane	U		0.000758	0.00386	1	04/23/2020 00:23	WG1464831
1,2-Dichloroethane	U		0.00100	0.00386	1	04/23/2020 00:23	WG1464831
1,1-Dichloroethene	U		0.000936	0.00386	1	04/23/2020 00:23	WG1464831
cis-1,2-Dichloroethene	U		0.00113	0.00386	1	04/23/2020 00:23	WG1464831
trans-1,2-Dichloroethene	U		0.00161	0.00772	1	04/23/2020 00:23	WG1464831
1,2-Dichloropropane	U		0.00219	0.00772	1	04/23/2020 00:23	WG1464831
1,1-Dichloropropene	U		0.00125	0.00386	1	04/23/2020 00:23	WG1464831
1,3-Dichloropropane	U		0.000774	0.00772	1	04/23/2020 00:23	WG1464831
cis-1,3-Dichloropropene	U		0.00117	0.00386	1	04/23/2020 00:23	WG1464831
trans-1,3-Dichloropropene	U		0.00176	0.00772	1	04/23/2020 00:23	WG1464831
trans-1,4-Dichloro-2-butene	0.0202		0.00287	0.00772	1	04/23/2020 00:23	WG1464831
2,2-Dichloropropane	U	J4	0.00213	0.00386	1	04/23/2020 00:23	WG1464831
Di-isopropyl ether	U		0.000633	0.00154	1	04/23/2020 00:23	WG1464831
Ethylbenzene	0.133		0.00114	0.00386	1	04/23/2020 00:23	WG1464831

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.00926	0.0386	1	04/23/2020 00:23	WG1464831
2-Hexanone	0.0122	J	0.00519	0.0386	1	04/23/2020 00:23	WG1464831
n-Hexane	0.889	J0	0.00349	0.00772	1	04/23/2020 00:23	WG1464831
Iodomethane	U		0.00358	0.0193	1	04/23/2020 00:23	WG1464831
Isopropylbenzene	0.0281		0.000656	0.00386	1	04/23/2020 00:23	WG1464831
p-Isopropyltoluene	0.108		0.00394	0.00772	1	04/23/2020 00:23	WG1464831
2-Butanone (MEK)	0.181		0.0981	0.154	1	04/23/2020 00:23	WG1464831
Methylene Chloride	U		0.0103	0.0386	1	04/23/2020 00:23	WG1464831
4-Methyl-2-pentanone (MIBK)	U		0.00352	0.0386	1	04/23/2020 00:23	WG1464831
Methyl tert-butyl ether	U		0.000540	0.00154	1	04/23/2020 00:23	WG1464831
Naphthalene	0.0141	J	0.00754	0.0193	1	04/23/2020 00:23	WG1464831
n-Propylbenzene	0.0426		0.00147	0.00772	1	04/23/2020 00:23	WG1464831
Styrene	U		0.000354	0.0193	1	04/23/2020 00:23	WG1464831
1,1,1,2-Tetrachloroethane	U		0.00146	0.00386	1	04/23/2020 00:23	WG1464831
1,1,2,2-Tetrachloroethane	U		0.00107	0.00386	1	04/23/2020 00:23	WG1464831
1,1,2-Trichlorotrifluoroethane	U		0.00116	0.00386	1	04/23/2020 00:23	WG1464831
Tetrachloroethene	U		0.00138	0.00386	1	04/23/2020 00:23	WG1464831
Toluene	0.126		0.00201	0.00772	1	04/23/2020 00:23	WG1464831
1,2,3-Trichlorobenzene	U		0.0113	0.0193	1	04/28/2020 06:04	WG1466991
1,2,4-Trichlorobenzene	U		0.00679	0.0193	1	04/23/2020 00:23	WG1464831
1,1,1-Trichloroethane	U		0.00143	0.00386	1	04/23/2020 00:23	WG1464831
1,1,2-Trichloroethane	U		0.000922	0.00386	1	04/23/2020 00:23	WG1464831
Trichloroethene	U		0.000902	0.00154	1	04/23/2020 00:23	WG1464831
Trichlorofluoromethane	U		0.00128	0.00386	1	04/23/2020 00:23	WG1464831
1,2,3-Trichloropropane	U		0.00250	0.0193	1	04/23/2020 00:23	WG1464831
1,2,4-Trimethylbenzene	0.124		0.00244	0.00772	1	04/23/2020 00:23	WG1464831
1,2,3-Trimethylbenzene	0.0479		0.00244	0.00772	1	04/23/2020 00:23	WG1464831
1,3,5-Trimethylbenzene	0.114		0.00309	0.00772	1	04/23/2020 00:23	WG1464831
Vinyl acetate	0.0588	J0	0.00392	0.0193	1	04/23/2020 00:23	WG1464831
Vinyl chloride	U	J4	0.00179	0.00386	1	04/23/2020 00:23	WG1464831
Xylenes, Total	0.891		0.00136	0.0100	1	04/23/2020 00:23	WG1464831
(S) Toluene-d8	*103*			*75.0-131*		*04/23/2020 00:23*	WG1464831
(S) Toluene-d8	*105*			*75.0-131*		*04/28/2020 06:04*	WG1466991
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*04/23/2020 00:23*	WG1464831
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*04/28/2020 06:04*	WG1466991
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*04/23/2020 00:23*	WG1464831
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*04/28/2020 06:04*	WG1466991

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	04/27/2020 11:49	WG1465757

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	717		75.9	224	2000	04/27/2020 16:18	WG1466570
(S) a,a,a-Trifluorotoluene(FID)	*83.7*			*77.0-120*		*04/27/2020 16:18*	WG1466570

Sample Narrative:

L1210278-22 WG1466570: No discernable petroleum pattern present.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.327	0.448	8	04/23/2020 05:48	WG1464913
Acrylonitrile	U		0.0324	0.112	8	04/23/2020 05:48	WG1464913
Benzene	U		0.00419	0.00896	8	04/23/2020 05:48	WG1464913
Bromobenzene	U		0.00807	0.112	8	04/23/2020 05:48	WG1464913
Bromodichloromethane	U		0.00650	0.0224	8	04/23/2020 05:48	WG1464913
Bromochloromethane	U	J4	0.00505	0.0448	8	04/23/2020 05:48	WG1464913
Bromoform	U		0.0105	0.224	8	04/23/2020 05:48	WG1464913
Bromomethane	U		0.0177	0.112	8	04/23/2020 05:48	WG1464913
n-Butylbenzene	5.35		0.0470	0.112	8	04/23/2020 05:48	WG1464913
sec-Butylbenzene	1.93		0.0258	0.112	8	04/23/2020 05:48	WG1464913
tert-Butylbenzene	0.0213	J	0.0175	0.0448	8	04/23/2020 05:48	WG1464913
Carbon disulfide	U		0.00627	0.112	8	04/23/2020 05:48	WG1464913
Carbon tetrachloride	U		0.00804	0.0448	8	04/23/2020 05:48	WG1464913
Chlorobenzene	U		0.00188	0.0224	8	04/23/2020 05:48	WG1464913
Chlorodibromomethane	U		0.00549	0.0224	8	04/23/2020 05:48	WG1464913
Chloroethane	U		0.0152	0.0448	8	04/23/2020 05:48	WG1464913
Chloroform	U		0.00923	0.0224	8	04/23/2020 05:48	WG1464913
Chloromethane	U		0.0390	0.112	8	04/23/2020 05:48	WG1464913
2-Chlorotoluene	U		0.00775	0.0224	8	04/23/2020 05:48	WG1464913
4-Chlorotoluene	U		0.00403	0.0448	8	04/23/2020 05:48	WG1464913
1,2-Dibromo-3-Chloropropane	U		0.0349	0.224	8	04/23/2020 05:48	WG1464913
1,2-Dibromoethane	U		0.00580	0.0224	8	04/23/2020 05:48	WG1464913
Dibromomethane	U		0.00672	0.0448	8	04/23/2020 05:48	WG1464913
1,2-Dichlorobenzene	U		0.00381	0.0448	8	04/23/2020 05:48	WG1464913
1,3-Dichlorobenzene	U		0.00538	0.0448	8	04/23/2020 05:48	WG1464913
1,4-Dichlorobenzene	U		0.00627	0.0448	8	04/23/2020 05:48	WG1464913
Dichlorodifluoromethane	U		0.0144	0.0224	8	04/23/2020 05:48	WG1464913
1,1-Dichloroethane	U		0.00440	0.0224	8	04/23/2020 05:48	WG1464913
1,2-Dichloroethane	U		0.00581	0.0224	8	04/23/2020 05:48	WG1464913
1,1-Dichloroethene	U		0.00543	0.0224	8	04/23/2020 05:48	WG1464913
cis-1,2-Dichloroethene	U		0.00658	0.0224	8	04/23/2020 05:48	WG1464913
trans-1,2-Dichloroethene	U		0.00932	0.0448	8	04/23/2020 05:48	WG1464913
1,2-Dichloropropane	U		0.0128	0.0448	8	04/23/2020 05:48	WG1464913
1,1-Dichloropropene	U		0.00725	0.0224	8	04/23/2020 05:48	WG1464913
1,3-Dichloropropane	U		0.00449	0.0448	8	04/23/2020 05:48	WG1464913
cis-1,3-Dichloropropene	U		0.00679	0.0224	8	04/23/2020 05:48	WG1464913
trans-1,3-Dichloropropene	U		0.0102	0.0448	8	04/23/2020 05:48	WG1464913
trans-1,4-Dichloro-2-butene	0.456		0.0167	0.0448	8	04/23/2020 05:48	WG1464913
2,2-Dichloropropane	U		0.0123	0.0224	8	04/23/2020 05:48	WG1464913
Di-isopropyl ether	U		0.00367	0.00896	8	04/23/2020 05:48	WG1464913
Ethylbenzene	3.01		0.00661	0.0224	8	04/23/2020 05:48	WG1464913

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U	J0	0.0538	0.224	8	04/23/2020 05:48	WG1464913
2-Hexanone	U		0.0301	0.224	8	04/23/2020 05:48	WG1464913
n-Hexane	3.06		0.0203	0.0448	8	04/23/2020 05:48	WG1464913
Iodomethane	U		0.0208	0.112	8	04/23/2020 05:48	WG1464913
Isopropylbenzene	4.94		0.00381	0.0224	8	04/23/2020 05:48	WG1464913
p-Isopropyltoluene	1.32		0.0229	0.0448	8	04/23/2020 05:48	WG1464913
2-Butanone (MEK)	U		0.569	0.896	8	04/23/2020 05:48	WG1464913
Methylene Chloride	U		0.0595	0.224	8	04/23/2020 05:48	WG1464913
4-Methyl-2-pentanone (MIBK)	U		0.0204	0.224	8	04/23/2020 05:48	WG1464913
Methyl tert-butyl ether	U		0.00314	0.00896	8	04/23/2020 05:48	WG1464913
Naphthalene	0.578		0.0437	0.112	8	04/23/2020 05:48	WG1464913
n-Propylbenzene	21.2		0.0426	0.224	40	04/23/2020 18:57	WG1465193
Styrene	U		0.00205	0.112	8	04/23/2020 05:48	WG1464913
1,1,1,2-Tetrachloroethane	U		0.00849	0.0224	8	04/23/2020 05:48	WG1464913
1,1,2,2-Tetrachloroethane	U		0.00623	0.0224	8	04/23/2020 05:48	WG1464913
1,1,2-Trichlorotrifluoroethane	U		0.00675	0.0224	8	04/23/2020 05:48	WG1464913
Tetrachloroethene	U		0.00803	0.0224	8	04/23/2020 05:48	WG1464913
Toluene	U		0.0116	0.0448	8	04/23/2020 05:48	WG1464913
1,2,3-Trichlorobenzene	U		0.0656	0.112	8	04/23/2020 05:48	WG1464913
1,2,4-Trichlorobenzene	U	J0	0.0394	0.112	8	04/23/2020 05:48	WG1464913
1,1,1-Trichloroethane	U		0.00827	0.0224	8	04/23/2020 05:48	WG1464913
1,1,2-Trichloroethane	U		0.00535	0.0224	8	04/23/2020 05:48	WG1464913
Trichloroethene	U		0.00523	0.00896	8	04/23/2020 05:48	WG1464913
Trichlorofluoromethane	U		0.00742	0.0224	8	04/23/2020 05:48	WG1464913
1,2,3-Trichloropropane	U		0.0146	0.112	8	04/23/2020 05:48	WG1464913
1,2,4-Trimethylbenzene	0.0557		0.0141	0.0448	8	04/23/2020 05:48	WG1464913
1,2,3-Trimethylbenzene	0.512		0.0141	0.0448	8	04/23/2020 05:48	WG1464913
1,3,5-Trimethylbenzene	0.330		0.0179	0.0448	8	04/23/2020 05:48	WG1464913
Vinyl acetate	U		0.0227	0.112	8	04/23/2020 05:48	WG1464913
Vinyl chloride	U		0.0104	0.0224	8	04/23/2020 05:48	WG1464913
Xylenes, Total	0.612		0.00789	0.0582	8	04/23/2020 05:48	WG1464913
(S) Toluene-d8	*127*			*75.0-131*		*04/23/2020 05:48*	WG1464913
(S) Toluene-d8	*106*			*75.0-131*		*04/23/2020 18:57*	WG1465193
(S) 4-Bromofluorobenzene	*124*			*67.0-138*		*04/23/2020 05:48*	WG1464913
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*04/23/2020 18:57*	WG1465193
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*		*04/23/2020 05:48*	WG1464913
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*04/23/2020 18:57*	WG1465193

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	04/27/2020 11:49	WG1465757

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	7.34		1.00	2.95	25	04/27/2020 14:55	WG1466570
(S) a,a,a-Trifluorotoluene(FID)	*85.8*			*77.0-120*		*04/27/2020 14:55*	WG1466570

Sample Narrative:

L1210278-23 WG1466570: No discernable petroleum pattern present.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0431	0.0590	1	04/23/2020 06:07	WG1464913
Acrylonitrile	U		0.00426	0.0148	1	04/23/2020 06:07	WG1464913
Benzene	0.00993		0.000551	0.00118	1	04/23/2020 06:07	WG1464913
Bromobenzene	U		0.00106	0.0148	1	04/23/2020 06:07	WG1464913
Bromodichloromethane	U		0.000856	0.00295	1	04/23/2020 06:07	WG1464913
Bromochloromethane	U	J4	0.000666	0.00590	1	04/23/2020 06:07	WG1464913
Bromoform	U		0.00138	0.0295	1	04/23/2020 06:07	WG1464913
Bromomethane	U		0.00233	0.0148	1	04/23/2020 06:07	WG1464913
n-Butylbenzene	0.0648		0.00620	0.0148	1	04/23/2020 06:07	WG1464913
sec-Butylbenzene	0.0335		0.00340	0.0148	1	04/23/2020 06:07	WG1464913
tert-Butylbenzene	U		0.00230	0.00590	1	04/23/2020 06:07	WG1464913
Carbon disulfide	0.00107	J	0.000826	0.0148	1	04/23/2020 06:07	WG1464913
Carbon tetrachloride	U		0.00106	0.00590	1	04/23/2020 06:07	WG1464913
Chlorobenzene	U		0.000248	0.00295	1	04/23/2020 06:07	WG1464913
Chlorodibromomethane	U		0.000722	0.00295	1	04/23/2020 06:07	WG1464913
Chloroethane	U		0.00201	0.00590	1	04/23/2020 06:07	WG1464913
Chloroform	U		0.00122	0.00295	1	04/23/2020 06:07	WG1464913
Chloromethane	U		0.00513	0.0148	1	04/23/2020 06:07	WG1464913
2-Chlorotoluene	U		0.00102	0.00295	1	04/23/2020 06:07	WG1464913
4-Chlorotoluene	U		0.000531	0.00590	1	04/23/2020 06:07	WG1464913
1,2-Dibromo-3-Chloropropane	U		0.00460	0.0295	1	04/23/2020 06:07	WG1464913
1,2-Dibromoethane	U		0.000765	0.00295	1	04/23/2020 06:07	WG1464913
Dibromomethane	U		0.000885	0.00590	1	04/23/2020 06:07	WG1464913
1,2-Dichlorobenzene	U		0.000502	0.00590	1	04/23/2020 06:07	WG1464913
1,3-Dichlorobenzene	U		0.000708	0.00590	1	04/23/2020 06:07	WG1464913
1,4-Dichlorobenzene	U		0.000826	0.00590	1	04/23/2020 06:07	WG1464913
Dichlorodifluoromethane	U		0.00190	0.00295	1	04/23/2020 06:07	WG1464913
1,1-Dichloroethane	U		0.000580	0.00295	1	04/23/2020 06:07	WG1464913
1,2-Dichloroethane	U		0.000766	0.00295	1	04/23/2020 06:07	WG1464913
1,1-Dichloroethene	U		0.000715	0.00295	1	04/23/2020 06:07	WG1464913
cis-1,2-Dichloroethene	U		0.000866	0.00295	1	04/23/2020 06:07	WG1464913
trans-1,2-Dichloroethene	U		0.00123	0.00590	1	04/23/2020 06:07	WG1464913
1,2-Dichloropropane	U		0.00168	0.00590	1	04/23/2020 06:07	WG1464913
1,1-Dichloropropene	U		0.000955	0.00295	1	04/23/2020 06:07	WG1464913
1,3-Dichloropropane	U		0.000591	0.00590	1	04/23/2020 06:07	WG1464913
cis-1,3-Dichloropropene	U		0.000894	0.00295	1	04/23/2020 06:07	WG1464913
trans-1,3-Dichloropropene	U		0.00135	0.00590	1	04/23/2020 06:07	WG1464913
trans-1,4-Dichloro-2-butene	U		0.00220	0.00590	1	04/23/2020 06:07	WG1464913
2,2-Dichloropropane	U		0.00163	0.00295	1	04/23/2020 06:07	WG1464913
Di-isopropyl ether	U		0.000484	0.00118	1	04/23/2020 06:07	WG1464913
Ethylbenzene	0.0752		0.000870	0.00295	1	04/23/2020 06:07	WG1464913

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U	J0	0.00708	0.0295	1	04/23/2020 06:07	WG1464913
2-Hexanone	U		0.00397	0.0295	1	04/23/2020 06:07	WG1464913
n-Hexane	0.0879		0.00267	0.00590	1	04/23/2020 06:07	WG1464913
Iodomethane	U		0.00274	0.0148	1	04/23/2020 06:07	WG1464913
Isopropylbenzene	0.137		0.000502	0.00295	1	04/23/2020 06:07	WG1464913
p-Isopropyltoluene	0.0110		0.00301	0.00590	1	04/23/2020 06:07	WG1464913
2-Butanone (MEK)	U		0.0750	0.118	1	04/23/2020 06:07	WG1464913
Methylene Chloride	U		0.00784	0.0295	1	04/23/2020 06:07	WG1464913
4-Methyl-2-pentanone (MIBK)	U		0.00269	0.0295	1	04/23/2020 06:07	WG1464913
Methyl tert-butyl ether	U		0.000413	0.00118	1	04/23/2020 06:07	WG1464913
Naphthalene	0.0284		0.00576	0.0148	1	04/23/2020 06:07	WG1464913
n-Propylbenzene	0.853		0.00112	0.00590	1	04/23/2020 06:07	WG1464913
Styrene	U		0.000270	0.0148	1	04/23/2020 06:07	WG1464913
1,1,1,2-Tetrachloroethane	U		0.00112	0.00295	1	04/23/2020 06:07	WG1464913
1,1,2,2-Tetrachloroethane	U		0.000820	0.00295	1	04/23/2020 06:07	WG1464913
1,1,2-Trichlorotrifluoroethane	U		0.000890	0.00295	1	04/23/2020 06:07	WG1464913
Tetrachloroethene	U		0.00106	0.00295	1	04/23/2020 06:07	WG1464913
Toluene	0.00643		0.00153	0.00590	1	04/23/2020 06:07	WG1464913
1,2,3-Trichlorobenzene	U		0.00865	0.0148	1	04/23/2020 06:07	WG1464913
1,2,4-Trichlorobenzene	U	J0	0.00519	0.0148	1	04/23/2020 06:07	WG1464913
1,1,1-Trichloroethane	U		0.00109	0.00295	1	04/23/2020 06:07	WG1464913
1,1,2-Trichloroethane	U		0.000705	0.00295	1	04/23/2020 06:07	WG1464913
Trichloroethene	U		0.000689	0.00118	1	04/23/2020 06:07	WG1464913
Trichlorofluoromethane	U		0.000976	0.00295	1	04/23/2020 06:07	WG1464913
1,2,3-Trichloropropane	U		0.00191	0.0148	1	04/23/2020 06:07	WG1464913
1,2,4-Trimethylbenzene	0.00786		0.00187	0.00590	1	04/23/2020 06:07	WG1464913
1,2,3-Trimethylbenzene	0.0203		0.00187	0.00590	1	04/23/2020 06:07	WG1464913
1,3,5-Trimethylbenzene	0.00619		0.00236	0.00590	1	04/23/2020 06:07	WG1464913
Vinyl acetate	U		0.00300	0.0148	1	04/23/2020 06:07	WG1464913
Vinyl chloride	U		0.00137	0.00295	1	04/23/2020 06:07	WG1464913
Xylenes, Total	0.0511		0.00104	0.00767	1	04/23/2020 06:07	WG1464913
(S) Toluene-d8	*111*			*75.0-131*		*04/23/2020 06:07*	WG1464913
(S) 4-Bromofluorobenzene	*88.9*			*67.0-138*		*04/23/2020 06:07*	WG1464913
(S) 1,2-Dichloroethane-d4	*86.8*			*70.0-130*		*04/23/2020 06:07*	WG1464913

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	04/27/2020 11:28	WG1465758

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.81	J	0.980	2.89	25	04/27/2020 15:16	WG1466570
(S) a,a,a-Trifluorotoluene(FID)	*89.9*			*77.0-120*		*04/27/2020 15:16*	WG1466570

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0422	0.0578	1	04/23/2020 06:25	WG1464913
Acrylonitrile	0.0289		0.00417	0.0144	1	04/23/2020 06:25	WG1464913
Benzene	0.0244		0.000540	0.00116	1	04/23/2020 06:25	WG1464913
Bromobenzene	U		0.00104	0.0144	1	04/23/2020 06:25	WG1464913
Bromodichloromethane	U		0.000838	0.00289	1	04/23/2020 06:25	WG1464913
Bromochloromethane	U	J4	0.000652	0.00578	1	04/23/2020 06:25	WG1464913
Bromoform	U		0.00135	0.0289	1	04/23/2020 06:25	WG1464913
Bromomethane	U		0.00228	0.0144	1	04/23/2020 06:25	WG1464913
n-Butylbenzene	U		0.00607	0.0144	1	04/23/2020 06:25	WG1464913
sec-Butylbenzene	U		0.00333	0.0144	1	04/23/2020 06:25	WG1464913
tert-Butylbenzene	U		0.00225	0.00578	1	04/23/2020 06:25	WG1464913
Carbon disulfide	U		0.000809	0.0144	1	04/23/2020 06:25	WG1464913
Carbon tetrachloride	U		0.00104	0.00578	1	04/23/2020 06:25	WG1464913
Chlorobenzene	U		0.000243	0.00289	1	04/23/2020 06:25	WG1464913
Chlorodibromomethane	U		0.000707	0.00289	1	04/23/2020 06:25	WG1464913
Chloroethane	U		0.00196	0.00578	1	04/23/2020 06:25	WG1464913
Chloroform	U		0.00119	0.00289	1	04/23/2020 06:25	WG1464913
Chloromethane	U		0.00503	0.0144	1	04/23/2020 06:25	WG1464913
2-Chlorotoluene	U		0.00100	0.00289	1	04/23/2020 06:25	WG1464913
4-Chlorotoluene	U		0.000520	0.00578	1	04/23/2020 06:25	WG1464913
1,2-Dibromo-3-Chloropropane	U		0.00451	0.0289	1	04/23/2020 06:25	WG1464913
1,2-Dibromoethane	U		0.000749	0.00289	1	04/23/2020 06:25	WG1464913
Dibromomethane	U		0.000867	0.00578	1	04/23/2020 06:25	WG1464913
1,2-Dichlorobenzene	U		0.000491	0.00578	1	04/23/2020 06:25	WG1464913
1,3-Dichlorobenzene	U		0.000693	0.00578	1	04/23/2020 06:25	WG1464913
1,4-Dichlorobenzene	U		0.000809	0.00578	1	04/23/2020 06:25	WG1464913
Dichlorodifluoromethane	U		0.00186	0.00289	1	04/23/2020 06:25	WG1464913
1,1-Dichloroethane	U		0.000567	0.00289	1	04/23/2020 06:25	WG1464913
1,2-Dichloroethane	U		0.000750	0.00289	1	04/23/2020 06:25	WG1464913
1,1-Dichloroethene	U		0.000700	0.00289	1	04/23/2020 06:25	WG1464913
cis-1,2-Dichloroethene	U		0.000848	0.00289	1	04/23/2020 06:25	WG1464913
trans-1,2-Dichloroethene	U		0.00120	0.00578	1	04/23/2020 06:25	WG1464913
1,2-Dichloropropane	U		0.00164	0.00578	1	04/23/2020 06:25	WG1464913
1,1-Dichloropropene	U		0.000935	0.00289	1	04/23/2020 06:25	WG1464913
1,3-Dichloropropane	U		0.000579	0.00578	1	04/23/2020 06:25	WG1464913
cis-1,3-Dichloropropene	U		0.000875	0.00289	1	04/23/2020 06:25	WG1464913
trans-1,3-Dichloropropene	U		0.00132	0.00578	1	04/23/2020 06:25	WG1464913
trans-1,4-Dichloro-2-butene	U		0.00215	0.00578	1	04/23/2020 06:25	WG1464913
2,2-Dichloropropane	U		0.00159	0.00289	1	04/23/2020 06:25	WG1464913
Di-isopropyl ether	U		0.000474	0.00116	1	04/23/2020 06:25	WG1464913
Ethylbenzene	0.00404		0.000852	0.00289	1	04/23/2020 06:25	WG1464913
Hexachloro-1,3-butadiene	U	J0	0.00693	0.0289	1	04/23/2020 06:25	WG1464913
2-Hexanone	U		0.00388	0.0289	1	04/23/2020 06:25	WG1464913
n-Hexane	0.0168		0.00261	0.00578	1	04/23/2020 06:25	WG1464913

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00268	0.0144	1	04/23/2020 06:25	WG1464913
Isopropylbenzene	0.0417		0.000491	0.00289	1	04/23/2020 06:25	WG1464913
p-Isopropyltoluene	U		0.00295	0.00578	1	04/23/2020 06:25	WG1464913
2-Butanone (MEK)	U		0.0734	0.116	1	04/23/2020 06:25	WG1464913
Methylene Chloride	U		0.00767	0.0289	1	04/23/2020 06:25	WG1464913
4-Methyl-2-pentanone (MIBK)	U		0.00263	0.0289	1	04/23/2020 06:25	WG1464913
Methyl tert-butyl ether	U		0.000404	0.00116	1	04/23/2020 06:25	WG1464913
Naphthalene	U		0.00564	0.0144	1	04/23/2020 06:25	WG1464913
n-Propylbenzene	0.0704		0.00110	0.00578	1	04/23/2020 06:25	WG1464913
Styrene	U		0.000265	0.0144	1	04/23/2020 06:25	WG1464913
1,1,1,2-Tetrachloroethane	U		0.00110	0.00289	1	04/23/2020 06:25	WG1464913
1,1,2,2-Tetrachloroethane	U		0.000803	0.00289	1	04/23/2020 06:25	WG1464913
1,1,2-Trichlorotrifluoroethane	U		0.000871	0.00289	1	04/23/2020 06:25	WG1464913
Tetrachloroethene	U		0.00104	0.00289	1	04/23/2020 06:25	WG1464913
Toluene	0.00564	J	0.00150	0.00578	1	04/23/2020 06:25	WG1464913
1,2,3-Trichlorobenzene	U		0.00847	0.0144	1	04/23/2020 06:25	WG1464913
1,2,4-Trichlorobenzene	U	J0	0.00508	0.0144	1	04/23/2020 06:25	WG1464913
1,1,1-Trichloroethane	U		0.00107	0.00289	1	04/23/2020 06:25	WG1464913
1,1,2-Trichloroethane	U		0.000690	0.00289	1	04/23/2020 06:25	WG1464913
Trichloroethene	U		0.000675	0.00116	1	04/23/2020 06:25	WG1464913
Trichlorofluoromethane	U		0.000956	0.00289	1	04/23/2020 06:25	WG1464913
1,2,3-Trichloropropane	U		0.00187	0.0144	1	04/23/2020 06:25	WG1464913
1,2,4-Trimethylbenzene	0.00205	J	0.00183	0.00578	1	04/23/2020 06:25	WG1464913
1,2,3-Trimethylbenzene	0.00909		0.00183	0.00578	1	04/23/2020 06:25	WG1464913
1,3,5-Trimethylbenzene	0.00243	J	0.00231	0.00578	1	04/23/2020 06:25	WG1464913
Vinyl acetate	U		0.00294	0.0144	1	04/23/2020 06:25	WG1464913
Vinyl chloride	U		0.00134	0.00289	1	04/23/2020 06:25	WG1464913
Xylenes, Total	0.0336		0.00102	0.00751	1	04/23/2020 06:25	WG1464913
(S) Toluene-d8	*111*			*75.0-131*		*04/23/2020 06:25*	WG1464913
(S) 4-Bromofluorobenzene	*88.8*			*67.0-138*		*04/23/2020 06:25*	WG1464913
(S) 1,2-Dichloroethane-d4	*84.3*			*70.0-130*		*04/23/2020 06:25*	WG1464913

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	04/27/2020 11:28	WG1465758

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.85	J	0.983	2.90	25	04/27/2020 15:36	WG1466570
(S) a,a,a-Trifluorotoluene(FID)	*91.3*			*77.0-120*		*04/27/2020 15:36*	WG1466570

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0423	0.0579	1	04/23/2020 06:44	WG1464913
Acrylonitrile	U		0.00418	0.0145	1	04/23/2020 06:44	WG1464913
Benzene	0.0618		0.000541	0.00116	1	04/23/2020 06:44	WG1464913
Bromobenzene	U		0.00104	0.0145	1	04/23/2020 06:44	WG1464913
Bromodichloromethane	U		0.000840	0.00290	1	04/23/2020 06:44	WG1464913
Bromochloromethane	U	J4	0.000654	0.00579	1	04/23/2020 06:44	WG1464913
Bromoform	U		0.00136	0.0290	1	04/23/2020 06:44	WG1464913
Bromomethane	U		0.00228	0.0145	1	04/23/2020 06:44	WG1464913
n-Butylbenzene	U		0.00608	0.0145	1	04/23/2020 06:44	WG1464913
sec-Butylbenzene	U		0.00334	0.0145	1	04/23/2020 06:44	WG1464913
tert-Butylbenzene	U		0.00226	0.00579	1	04/23/2020 06:44	WG1464913
Carbon disulfide	U		0.000811	0.0145	1	04/23/2020 06:44	WG1464913
Carbon tetrachloride	U		0.00104	0.00579	1	04/23/2020 06:44	WG1464913
Chlorobenzene	U		0.000243	0.00290	1	04/23/2020 06:44	WG1464913
Chlorodibromomethane	U		0.000709	0.00290	1	04/23/2020 06:44	WG1464913
Chloroethane	U		0.00197	0.00579	1	04/23/2020 06:44	WG1464913
Chloroform	U		0.00119	0.00290	1	04/23/2020 06:44	WG1464913
Chloromethane	U		0.00504	0.0145	1	04/23/2020 06:44	WG1464913
2-Chlorotoluene	U		0.00100	0.00290	1	04/23/2020 06:44	WG1464913
4-Chlorotoluene	U		0.000522	0.00579	1	04/23/2020 06:44	WG1464913
1,2-Dibromo-3-Chloropropane	U		0.00452	0.0290	1	04/23/2020 06:44	WG1464913
1,2-Dibromoethane	U		0.000751	0.00290	1	04/23/2020 06:44	WG1464913
Dibromomethane	U		0.000869	0.00579	1	04/23/2020 06:44	WG1464913
1,2-Dichlorobenzene	U		0.000493	0.00579	1	04/23/2020 06:44	WG1464913
1,3-Dichlorobenzene	U		0.000695	0.00579	1	04/23/2020 06:44	WG1464913
1,4-Dichlorobenzene	U		0.000811	0.00579	1	04/23/2020 06:44	WG1464913
Dichlorodifluoromethane	U		0.00187	0.00290	1	04/23/2020 06:44	WG1464913
1,1-Dichloroethane	U		0.000569	0.00290	1	04/23/2020 06:44	WG1464913
1,2-Dichloroethane	U		0.000752	0.00290	1	04/23/2020 06:44	WG1464913
1,1-Dichloroethene	U		0.000702	0.00290	1	04/23/2020 06:44	WG1464913
cis-1,2-Dichloroethene	U		0.000851	0.00290	1	04/23/2020 06:44	WG1464913
trans-1,2-Dichloroethene	U		0.00121	0.00579	1	04/23/2020 06:44	WG1464913
1,2-Dichloropropane	U		0.00165	0.00579	1	04/23/2020 06:44	WG1464913
1,1-Dichloropropene	U		0.000938	0.00290	1	04/23/2020 06:44	WG1464913
1,3-Dichloropropane	U		0.000581	0.00579	1	04/23/2020 06:44	WG1464913
cis-1,3-Dichloropropene	U		0.000877	0.00290	1	04/23/2020 06:44	WG1464913
trans-1,3-Dichloropropene	U		0.00132	0.00579	1	04/23/2020 06:44	WG1464913
trans-1,4-Dichloro-2-butene	U		0.00216	0.00579	1	04/23/2020 06:44	WG1464913
2,2-Dichloropropane	U		0.00160	0.00290	1	04/23/2020 06:44	WG1464913
Di-isopropyl ether	U		0.000475	0.00116	1	04/23/2020 06:44	WG1464913
Ethylbenzene	0.00189	J	0.000854	0.00290	1	04/23/2020 06:44	WG1464913
Hexachloro-1,3-butadiene	U	J0	0.00695	0.0290	1	04/23/2020 06:44	WG1464913
2-Hexanone	U		0.00389	0.0290	1	04/23/2020 06:44	WG1464913
n-Hexane	U		0.00262	0.00579	1	04/23/2020 06:44	WG1464913

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00269	0.0145	1	04/23/2020 06:44	WG1464913
Isopropylbenzene	0.00654		0.000493	0.00290	1	04/23/2020 06:44	WG1464913
p-Isopropyltoluene	U		0.00296	0.00579	1	04/23/2020 06:44	WG1464913
2-Butanone (MEK)	U		0.0736	0.116	1	04/23/2020 06:44	WG1464913
Methylene Chloride	U		0.00770	0.0290	1	04/23/2020 06:44	WG1464913
4-Methyl-2-pentanone (MIBK)	U		0.00264	0.0290	1	04/23/2020 06:44	WG1464913
Methyl tert-butyl ether	U		0.000406	0.00116	1	04/23/2020 06:44	WG1464913
Naphthalene	U		0.00566	0.0145	1	04/23/2020 06:44	WG1464913
n-Propylbenzene	0.00563	J	0.00110	0.00579	1	04/23/2020 06:44	WG1464913
Styrene	0.00167	J	0.000265	0.0145	1	04/23/2020 06:44	WG1464913
1,1,1,2-Tetrachloroethane	U		0.00110	0.00290	1	04/23/2020 06:44	WG1464913
1,1,2,2-Tetrachloroethane	U		0.000805	0.00290	1	04/23/2020 06:44	WG1464913
1,1,2-Trichlorotrifluoroethane	U		0.000874	0.00290	1	04/23/2020 06:44	WG1464913
Tetrachloroethene	U		0.00104	0.00290	1	04/23/2020 06:44	WG1464913
Toluene	0.00724		0.00151	0.00579	1	04/23/2020 06:44	WG1464913
1,2,3-Trichlorobenzene	U	J0	0.00850	0.0145	1	04/23/2020 06:44	WG1464913
1,2,4-Trichlorobenzene	U		0.00510	0.0145	1	04/23/2020 06:44	WG1464913
1,1,1-Trichloroethane	U		0.00107	0.00290	1	04/23/2020 06:44	WG1464913
1,1,2-Trichloroethane	U		0.000692	0.00290	1	04/23/2020 06:44	WG1464913
Trichloroethene	U		0.000677	0.00116	1	04/23/2020 06:44	WG1464913
Trichlorofluoromethane	U		0.000958	0.00290	1	04/23/2020 06:44	WG1464913
1,2,3-Trichloropropane	U		0.00188	0.0145	1	04/23/2020 06:44	WG1464913
1,2,4-Trimethylbenzene	U		0.00183	0.00579	1	04/23/2020 06:44	WG1464913
1,2,3-Trimethylbenzene	0.00387	J	0.00183	0.00579	1	04/23/2020 06:44	WG1464913
1,3,5-Trimethylbenzene	U		0.00232	0.00579	1	04/23/2020 06:44	WG1464913
Vinyl acetate	U		0.00294	0.0145	1	04/23/2020 06:44	WG1464913
Vinyl chloride	U		0.00134	0.00290	1	04/23/2020 06:44	WG1464913
Xylenes, Total	0.00932		0.00102	0.00753	1	04/23/2020 06:44	WG1464913
(S) Toluene-d8	*109*			*75.0-131*		*04/23/2020 06:44*	WG1464913
(S) 4-Bromofluorobenzene	*89.9*			*67.0-138*		*04/23/2020 06:44*	WG1464913
(S) 1,2-Dichloroethane-d4	*83.8*			*70.0-130*		*04/23/2020 06:44*	WG1464913

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	04/27/2020 11:28	WG1465758

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0431	0.0590	1	04/23/2020 07:03	WG1464913
Acrylonitrile	U		0.00426	0.0148	1	04/23/2020 07:03	WG1464913
Benzene	U		0.000552	0.00118	1	04/23/2020 07:03	WG1464913
Bromobenzene	U		0.00106	0.0148	1	04/23/2020 07:03	WG1464913
Bromodichloromethane	U		0.000856	0.00295	1	04/23/2020 07:03	WG1464913
Bromochloromethane	U	J4	0.000666	0.00590	1	04/23/2020 07:03	WG1464913
Bromoform	U		0.00138	0.0295	1	04/23/2020 07:03	WG1464913
Bromomethane	U		0.00233	0.0148	1	04/23/2020 07:03	WG1464913
n-Butylbenzene	U		0.00620	0.0148	1	04/23/2020 07:03	WG1464913
sec-Butylbenzene	U		0.00340	0.0148	1	04/23/2020 07:03	WG1464913
tert-Butylbenzene	U		0.00230	0.00590	1	04/23/2020 07:03	WG1464913
Carbon disulfide	U		0.000827	0.0148	1	04/23/2020 07:03	WG1464913
Carbon tetrachloride	U		0.00106	0.00590	1	04/23/2020 07:03	WG1464913
Chlorobenzene	U		0.000248	0.00295	1	04/23/2020 07:03	WG1464913
Chlorodibromomethane	U		0.000723	0.00295	1	04/23/2020 07:03	WG1464913
Chloroethane	U		0.00201	0.00590	1	04/23/2020 07:03	WG1464913
Chloroform	U		0.00122	0.00295	1	04/23/2020 07:03	WG1464913
Chloromethane	U		0.00514	0.0148	1	04/23/2020 07:03	WG1464913
2-Chlorotoluene	U		0.00102	0.00295	1	04/23/2020 07:03	WG1464913
4-Chlorotoluene	U		0.000531	0.00590	1	04/23/2020 07:03	WG1464913
1,2-Dibromo-3-Chloropropane	U		0.00461	0.0295	1	04/23/2020 07:03	WG1464913
1,2-Dibromoethane	U		0.000765	0.00295	1	04/23/2020 07:03	WG1464913
Dibromomethane	U		0.000886	0.00590	1	04/23/2020 07:03	WG1464913
1,2-Dichlorobenzene	U		0.000502	0.00590	1	04/23/2020 07:03	WG1464913
1,3-Dichlorobenzene	U		0.000709	0.00590	1	04/23/2020 07:03	WG1464913
1,4-Dichlorobenzene	U		0.000827	0.00590	1	04/23/2020 07:03	WG1464913
Dichlorodifluoromethane	U		0.00190	0.00295	1	04/23/2020 07:03	WG1464913
1,1-Dichloroethane	U		0.000580	0.00295	1	04/23/2020 07:03	WG1464913
1,2-Dichloroethane	U		0.000766	0.00295	1	04/23/2020 07:03	WG1464913
1,1-Dichloroethene	U		0.000716	0.00295	1	04/23/2020 07:03	WG1464913
cis-1,2-Dichloroethene	U		0.000867	0.00295	1	04/23/2020 07:03	WG1464913
trans-1,2-Dichloroethene	U		0.00123	0.00590	1	04/23/2020 07:03	WG1464913
1,2-Dichloropropane	U		0.00168	0.00590	1	04/23/2020 07:03	WG1464913
1,1-Dichloropropene	U		0.000955	0.00295	1	04/23/2020 07:03	WG1464913
1,3-Dichloropropane	U		0.000592	0.00590	1	04/23/2020 07:03	WG1464913
cis-1,3-Dichloropropene	U		0.000894	0.00295	1	04/23/2020 07:03	WG1464913
trans-1,3-Dichloropropene	U		0.00135	0.00590	1	04/23/2020 07:03	WG1464913
trans-1,4-Dichloro-2-butene	U		0.00220	0.00590	1	04/23/2020 07:03	WG1464913
2,2-Dichloropropane	U		0.00163	0.00295	1	04/23/2020 07:03	WG1464913
Di-isopropyl ether	U		0.000484	0.00118	1	04/23/2020 07:03	WG1464913
Ethylbenzene	U		0.000870	0.00295	1	04/23/2020 07:03	WG1464913
Hexachloro-1,3-butadiene	U	J0	0.00709	0.0295	1	04/23/2020 07:03	WG1464913
2-Hexanone	U		0.00397	0.0295	1	04/23/2020 07:03	WG1464913
n-Hexane	U		0.00267	0.00590	1	04/23/2020 07:03	WG1464913
Iodomethane	U		0.00274	0.0148	1	04/23/2020 07:03	WG1464913
Isopropylbenzene	U		0.000502	0.00295	1	04/23/2020 07:03	WG1464913
p-Isopropyltoluene	U		0.00301	0.00590	1	04/23/2020 07:03	WG1464913
2-Butanone (MEK)	U		0.0750	0.118	1	04/23/2020 07:03	WG1464913
Methylene Chloride	U		0.00784	0.0295	1	04/23/2020 07:03	WG1464913
4-Methyl-2-pentanone (MIBK)	U		0.00269	0.0295	1	04/23/2020 07:03	WG1464913

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000413	0.00118	1	04/23/2020 07:03	WG1464913
Naphthalene	U		0.00576	0.0148	1	04/23/2020 07:03	WG1464913
n-Propylbenzene	U		0.00112	0.00590	1	04/23/2020 07:03	WG1464913
Styrene	U		0.000270	0.0148	1	04/23/2020 07:03	WG1464913
1,1,1,2-Tetrachloroethane	U		0.00112	0.00295	1	04/23/2020 07:03	WG1464913
1,1,2,2-Tetrachloroethane	U		0.000821	0.00295	1	04/23/2020 07:03	WG1464913
1,1,2-Trichlorotrifluoroethane	U		0.000890	0.00295	1	04/23/2020 07:03	WG1464913
Tetrachloroethene	U		0.00106	0.00295	1	04/23/2020 07:03	WG1464913
Toluene	U		0.00154	0.00590	1	04/23/2020 07:03	WG1464913
1,2,3-Trichlorobenzene	U	J0	0.00866	0.0148	1	04/23/2020 07:03	WG1464913
1,2,4-Trichlorobenzene	U		0.00520	0.0148	1	04/23/2020 07:03	WG1464913
1,1,1-Trichloroethane	U		0.00109	0.00295	1	04/23/2020 07:03	WG1464913
1,1,2-Trichloroethane	U		0.000705	0.00295	1	04/23/2020 07:03	WG1464913
Trichloroethene	U		0.000690	0.00118	1	04/23/2020 07:03	WG1464913
Trichlorofluoromethane	U		0.000977	0.00295	1	04/23/2020 07:03	WG1464913
1,2,3-Trichloropropane	U		0.00191	0.0148	1	04/23/2020 07:03	WG1464913
1,2,4-Trimethylbenzene	U		0.00187	0.00590	1	04/23/2020 07:03	WG1464913
1,2,3-Trimethylbenzene	U		0.00187	0.00590	1	04/23/2020 07:03	WG1464913
1,3,5-Trimethylbenzene	U		0.00236	0.00590	1	04/23/2020 07:03	WG1464913
Vinyl acetate	U		0.00300	0.0148	1	04/23/2020 07:03	WG1464913
Vinyl chloride	U		0.00137	0.00295	1	04/23/2020 07:03	WG1464913
Xylenes, Total	0.00196	J	0.00104	0.00768	1	04/23/2020 07:03	WG1464913
(S) Toluene-d8	*110*			*75.0-131*		*04/23/2020 07:03*	WG1464913
(S) 4-Bromofluorobenzene	*90.5*			*67.0-138*		*04/23/2020 07:03*	WG1464913
(S) 1,2-Dichloroethane-d4	*86.6*			*70.0-130*		*04/23/2020 07:03*	WG1464913

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.9		1	04/27/2020 11:28	WG1465758

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0440	0.0603	1	04/23/2020 07:22	WG1464913
Acrylonitrile	U		0.00436	0.0151	1	04/23/2020 07:22	WG1464913
Benzene	0.000668	J	0.000563	0.00121	1	04/23/2020 07:22	WG1464913
Bromobenzene	U		0.00109	0.0151	1	04/23/2020 07:22	WG1464913
Bromodichloromethane	U		0.000875	0.00302	1	04/23/2020 07:22	WG1464913
Bromochloromethane	U	J4	0.000680	0.00603	1	04/23/2020 07:22	WG1464913
Bromoform	U		0.00141	0.0302	1	04/23/2020 07:22	WG1464913
Bromomethane	U		0.00238	0.0151	1	04/23/2020 07:22	WG1464913
n-Butylbenzene	U		0.00633	0.0151	1	04/23/2020 07:22	WG1464913
sec-Butylbenzene	U		0.00347	0.0151	1	04/23/2020 07:22	WG1464913
tert-Butylbenzene	U		0.00235	0.00603	1	04/23/2020 07:22	WG1464913
Carbon disulfide	U		0.000845	0.0151	1	04/23/2020 07:22	WG1464913
Carbon tetrachloride	U		0.00108	0.00603	1	04/23/2020 07:22	WG1464913
Chlorobenzene	U		0.000253	0.00302	1	04/23/2020 07:22	WG1464913
Chlorodibromomethane	U		0.000738	0.00302	1	04/23/2020 07:22	WG1464913
Chloroethane	U		0.00205	0.00603	1	04/23/2020 07:22	WG1464913
Chloroform	U		0.00124	0.00302	1	04/23/2020 07:22	WG1464913
Chloromethane	U		0.00525	0.0151	1	04/23/2020 07:22	WG1464913
2-Chlorotoluene	U		0.00104	0.00302	1	04/23/2020 07:22	WG1464913
4-Chlorotoluene	U		0.000543	0.00603	1	04/23/2020 07:22	WG1464913
1,2-Dibromo-3-Chloropropane	U		0.00471	0.0302	1	04/23/2020 07:22	WG1464913
1,2-Dibromoethane	U		0.000782	0.00302	1	04/23/2020 07:22	WG1464913
Dibromomethane	U		0.000905	0.00603	1	04/23/2020 07:22	WG1464913
1,2-Dichlorobenzene	U		0.000513	0.00603	1	04/23/2020 07:22	WG1464913
1,3-Dichlorobenzene	U		0.000724	0.00603	1	04/23/2020 07:22	WG1464913
1,4-Dichlorobenzene	U		0.000845	0.00603	1	04/23/2020 07:22	WG1464913
Dichlorodifluoromethane	U		0.00194	0.00302	1	04/23/2020 07:22	WG1464913
1,1-Dichloroethane	U		0.000592	0.00302	1	04/23/2020 07:22	WG1464913
1,2-Dichloroethane	U		0.000783	0.00302	1	04/23/2020 07:22	WG1464913
1,1-Dichloroethene	U		0.000731	0.00302	1	04/23/2020 07:22	WG1464913
cis-1,2-Dichloroethene	U		0.000886	0.00302	1	04/23/2020 07:22	WG1464913
trans-1,2-Dichloroethene	U		0.00125	0.00603	1	04/23/2020 07:22	WG1464913
1,2-Dichloropropane	U		0.00171	0.00603	1	04/23/2020 07:22	WG1464913
1,1-Dichloropropene	U		0.000976	0.00302	1	04/23/2020 07:22	WG1464913
1,3-Dichloropropane	U		0.000604	0.00603	1	04/23/2020 07:22	WG1464913
cis-1,3-Dichloropropene	U		0.000913	0.00302	1	04/23/2020 07:22	WG1464913
trans-1,3-Dichloropropene	U		0.00138	0.00603	1	04/23/2020 07:22	WG1464913
trans-1,4-Dichloro-2-butene	U		0.00224	0.00603	1	04/23/2020 07:22	WG1464913
2,2-Dichloropropane	U		0.00166	0.00302	1	04/23/2020 07:22	WG1464913
Di-isopropyl ether	U		0.000495	0.00121	1	04/23/2020 07:22	WG1464913
Ethylbenzene	U		0.000889	0.00302	1	04/23/2020 07:22	WG1464913
Hexachloro-1,3-butadiene	U	J0	0.00724	0.0302	1	04/23/2020 07:22	WG1464913
2-Hexanone	U		0.00405	0.0302	1	04/23/2020 07:22	WG1464913
n-Hexane	U		0.00273	0.00603	1	04/23/2020 07:22	WG1464913
Iodomethane	U		0.00280	0.0151	1	04/23/2020 07:22	WG1464913
Isopropylbenzene	U		0.000513	0.00302	1	04/23/2020 07:22	WG1464913
p-Isopropyltoluene	U		0.00308	0.00603	1	04/23/2020 07:22	WG1464913
2-Butanone (MEK)	U		0.0766	0.121	1	04/23/2020 07:22	WG1464913
Methylene Chloride	U		0.00801	0.0302	1	04/23/2020 07:22	WG1464913
4-Methyl-2-pentanone (MIBK)	U		0.00275	0.0302	1	04/23/2020 07:22	WG1464913

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000422	0.00121	1	04/23/2020 07:22	WG1464913
Naphthalene	U		0.00589	0.0151	1	04/23/2020 07:22	WG1464913
n-Propylbenzene	0.00200	J	0.00115	0.00603	1	04/23/2020 07:22	WG1464913
Styrene	U		0.000276	0.0151	1	04/23/2020 07:22	WG1464913
1,1,1,2-Tetrachloroethane	U		0.00114	0.00302	1	04/23/2020 07:22	WG1464913
1,1,2,2-Tetrachloroethane	U		0.000839	0.00302	1	04/23/2020 07:22	WG1464913
1,1,2-Trichlorotrifluoroethane	U		0.000910	0.00302	1	04/23/2020 07:22	WG1464913
Tetrachloroethene	U		0.00108	0.00302	1	04/23/2020 07:22	WG1464913
Toluene	U		0.00157	0.00603	1	04/23/2020 07:22	WG1464913
1,2,3-Trichlorobenzene	U		0.00884	0.0151	1	04/23/2020 07:22	WG1464913
1,2,4-Trichlorobenzene	U	J0	0.00531	0.0151	1	04/23/2020 07:22	WG1464913
1,1,1-Trichloroethane	U		0.00111	0.00302	1	04/23/2020 07:22	WG1464913
1,1,2-Trichloroethane	U		0.000720	0.00302	1	04/23/2020 07:22	WG1464913
Trichloroethene	U		0.000705	0.00121	1	04/23/2020 07:22	WG1464913
Trichlorofluoromethane	U		0.000998	0.00302	1	04/23/2020 07:22	WG1464913
1,2,3-Trichloropropane	U		0.00195	0.0151	1	04/23/2020 07:22	WG1464913
1,2,4-Trimethylbenzene	U		0.00191	0.00603	1	04/23/2020 07:22	WG1464913
1,2,3-Trimethylbenzene	U		0.00191	0.00603	1	04/23/2020 07:22	WG1464913
1,3,5-Trimethylbenzene	U		0.00241	0.00603	1	04/23/2020 07:22	WG1464913
Vinyl acetate	U		0.00306	0.0151	1	04/23/2020 07:22	WG1464913
Vinyl chloride	U		0.00140	0.00302	1	04/23/2020 07:22	WG1464913
Xylenes, Total	0.00176	J	0.00106	0.00784	1	04/23/2020 07:22	WG1464913
(S) Toluene-d8	*109*			*75.0-131*		*04/23/2020 07:22*	WG1464913
(S) 4-Bromofluorobenzene	*92.0*			*67.0-138*		*04/23/2020 07:22*	WG1464913
(S) 1,2-Dichloroethane-d4	*88.9*			*70.0-130*		*04/23/2020 07:22*	WG1464913

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.2		1	04/27/2020 11:28	WG1465758

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0439	0.0601	1	04/23/2020 07:41	WG1464913
Acrylonitrile	U		0.00434	0.0150	1	04/23/2020 07:41	WG1464913
Benzene	U		0.000562	0.00120	1	04/23/2020 07:41	WG1464913
Bromobenzene	U		0.00108	0.0150	1	04/23/2020 07:41	WG1464913
Bromodichloromethane	U		0.000872	0.00301	1	04/23/2020 07:41	WG1464913
Bromochloromethane	U	J4	0.000678	0.00601	1	04/23/2020 07:41	WG1464913
Bromoform	U		0.00141	0.0301	1	04/23/2020 07:41	WG1464913
Bromomethane	U		0.00237	0.0150	1	04/23/2020 07:41	WG1464913
n-Butylbenzene	U		0.00631	0.0150	1	04/23/2020 07:41	WG1464913
sec-Butylbenzene	U		0.00346	0.0150	1	04/23/2020 07:41	WG1464913
tert-Butylbenzene	U		0.00234	0.00601	1	04/23/2020 07:41	WG1464913
Carbon disulfide	U		0.000842	0.0150	1	04/23/2020 07:41	WG1464913
Carbon tetrachloride	U		0.00108	0.00601	1	04/23/2020 07:41	WG1464913
Chlorobenzene	U		0.000253	0.00301	1	04/23/2020 07:41	WG1464913
Chlorodibromomethane	U		0.000736	0.00301	1	04/23/2020 07:41	WG1464913
Chloroethane	U		0.00204	0.00601	1	04/23/2020 07:41	WG1464913
Chloroform	U		0.00124	0.00301	1	04/23/2020 07:41	WG1464913
Chloromethane	U		0.00523	0.0150	1	04/23/2020 07:41	WG1464913
2-Chlorotoluene	U		0.00104	0.00301	1	04/23/2020 07:41	WG1464913
4-Chlorotoluene	U		0.000541	0.00601	1	04/23/2020 07:41	WG1464913
1,2-Dibromo-3-Chloropropane	U		0.00469	0.0301	1	04/23/2020 07:41	WG1464913
1,2-Dibromoethane	U		0.000779	0.00301	1	04/23/2020 07:41	WG1464913
Dibromomethane	U		0.000902	0.00601	1	04/23/2020 07:41	WG1464913
1,2-Dichlorobenzene	U		0.000511	0.00601	1	04/23/2020 07:41	WG1464913
1,3-Dichlorobenzene	U		0.000721	0.00601	1	04/23/2020 07:41	WG1464913
1,4-Dichlorobenzene	U		0.000842	0.00601	1	04/23/2020 07:41	WG1464913
Dichlorodifluoromethane	U		0.00194	0.00301	1	04/23/2020 07:41	WG1464913
1,1-Dichloroethane	U		0.000590	0.00301	1	04/23/2020 07:41	WG1464913
1,2-Dichloroethane	U		0.000780	0.00301	1	04/23/2020 07:41	WG1464913
1,1-Dichloroethene	U		0.000729	0.00301	1	04/23/2020 07:41	WG1464913
cis-1,2-Dichloroethene	U		0.000883	0.00301	1	04/23/2020 07:41	WG1464913
trans-1,2-Dichloroethene	U		0.00125	0.00601	1	04/23/2020 07:41	WG1464913
1,2-Dichloropropane	U		0.00171	0.00601	1	04/23/2020 07:41	WG1464913
1,1-Dichloropropene	U		0.000973	0.00301	1	04/23/2020 07:41	WG1464913
1,3-Dichloropropane	U		0.000602	0.00601	1	04/23/2020 07:41	WG1464913
cis-1,3-Dichloropropene	U		0.000910	0.00301	1	04/23/2020 07:41	WG1464913
trans-1,3-Dichloropropene	U		0.00137	0.00601	1	04/23/2020 07:41	WG1464913
trans-1,4-Dichloro-2-butene	U		0.00224	0.00601	1	04/23/2020 07:41	WG1464913
2,2-Dichloropropane	U		0.00166	0.00301	1	04/23/2020 07:41	WG1464913
Di-isopropyl ether	U		0.000493	0.00120	1	04/23/2020 07:41	WG1464913
Ethylbenzene	U		0.000886	0.00301	1	04/23/2020 07:41	WG1464913
Hexachloro-1,3-butadiene	U	J0	0.00721	0.0301	1	04/23/2020 07:41	WG1464913
2-Hexanone	U		0.00404	0.0301	1	04/23/2020 07:41	WG1464913
n-Hexane	U		0.00272	0.00601	1	04/23/2020 07:41	WG1464913
Iodomethane	U		0.00279	0.0150	1	04/23/2020 07:41	WG1464913
Isopropylbenzene	U		0.000511	0.00301	1	04/23/2020 07:41	WG1464913
p-Isopropyltoluene	U		0.00307	0.00601	1	04/23/2020 07:41	WG1464913
2-Butanone (MEK)	U		0.0764	0.120	1	04/23/2020 07:41	WG1464913
Methylene Chloride	U		0.00798	0.0301	1	04/23/2020 07:41	WG1464913
4-Methyl-2-pentanone (MIBK)	U		0.00274	0.0301	1	04/23/2020 07:41	WG1464913

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000421	0.00120	1	04/23/2020 07:41	WG1464913
Naphthalene	U		0.00587	0.0150	1	04/23/2020 07:41	WG1464913
n-Propylbenzene	U		0.00114	0.00601	1	04/23/2020 07:41	WG1464913
Styrene	U		0.000275	0.0150	1	04/23/2020 07:41	WG1464913
1,1,1,2-Tetrachloroethane	U		0.00114	0.00301	1	04/23/2020 07:41	WG1464913
1,1,2,2-Tetrachloroethane	U		0.000836	0.00301	1	04/23/2020 07:41	WG1464913
1,1,2-Trichlorotrifluoroethane	U		0.000907	0.00301	1	04/23/2020 07:41	WG1464913
Tetrachloroethene	U		0.00108	0.00301	1	04/23/2020 07:41	WG1464913
Toluene	U		0.00156	0.00601	1	04/23/2020 07:41	WG1464913
1,2,3-Trichlorobenzene	U		0.00881	0.0150	1	04/23/2020 07:41	WG1464913
1,2,4-Trichlorobenzene	U	J0	0.00529	0.0150	1	04/23/2020 07:41	WG1464913
1,1,1-Trichloroethane	U		0.00111	0.00301	1	04/23/2020 07:41	WG1464913
1,1,2-Trichloroethane	U		0.000718	0.00301	1	04/23/2020 07:41	WG1464913
Trichloroethene	U		0.000702	0.00120	1	04/23/2020 07:41	WG1464913
Trichlorofluoromethane	U		0.000994	0.00301	1	04/23/2020 07:41	WG1464913
1,2,3-Trichloropropane	U		0.00195	0.0150	1	04/23/2020 07:41	WG1464913
1,2,4-Trimethylbenzene	U		0.00190	0.00601	1	04/23/2020 07:41	WG1464913
1,2,3-Trimethylbenzene	U		0.00190	0.00601	1	04/23/2020 07:41	WG1464913
1,3,5-Trimethylbenzene	U		0.00240	0.00601	1	04/23/2020 07:41	WG1464913
Vinyl acetate	U		0.00305	0.0150	1	04/23/2020 07:41	WG1464913
Vinyl chloride	U		0.00139	0.00301	1	04/23/2020 07:41	WG1464913
Xylenes, Total	0.00170	J	0.00106	0.00782	1	04/23/2020 07:41	WG1464913
(S) Toluene-d8	*110*			*75.0-131*		*04/23/2020 07:41*	WG1464913
(S) 4-Bromofluorobenzene	*90.6*			*67.0-138*		*04/23/2020 07:41*	WG1464913
(S) 1,2-Dichloroethane-d4	*87.2*			*70.0-130*		*04/23/2020 07:41*	WG1464913

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.2		1	04/27/2020 11:28	WG1465758

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0439	0.0601	1	04/23/2020 08:00	WG1464913
Acrylonitrile	U		0.00434	0.0150	1	04/23/2020 08:00	WG1464913
Benzene	U		0.000561	0.00120	1	04/23/2020 08:00	WG1464913
Bromobenzene	U		0.00108	0.0150	1	04/23/2020 08:00	WG1464913
Bromodichloromethane	U		0.000871	0.00300	1	04/23/2020 08:00	WG1464913
Bromochloromethane	U	J4	0.000678	0.00601	1	04/23/2020 08:00	WG1464913
Bromoform	U		0.00141	0.0300	1	04/23/2020 08:00	WG1464913
Bromomethane	U		0.00237	0.0150	1	04/23/2020 08:00	WG1464913
n-Butylbenzene	U		0.00631	0.0150	1	04/23/2020 08:00	WG1464913
sec-Butylbenzene	U		0.00346	0.0150	1	04/23/2020 08:00	WG1464913
tert-Butylbenzene	U		0.00234	0.00601	1	04/23/2020 08:00	WG1464913
Carbon disulfide	U		0.000841	0.0150	1	04/23/2020 08:00	WG1464913
Carbon tetrachloride	U		0.00108	0.00601	1	04/23/2020 08:00	WG1464913
Chlorobenzene	U		0.000252	0.00300	1	04/23/2020 08:00	WG1464913
Chlorodibromomethane	U		0.000735	0.00300	1	04/23/2020 08:00	WG1464913
Chloroethane	U		0.00204	0.00601	1	04/23/2020 08:00	WG1464913
Chloroform	U		0.00124	0.00300	1	04/23/2020 08:00	WG1464913
Chloromethane	U		0.00523	0.0150	1	04/23/2020 08:00	WG1464913
2-Chlorotoluene	U		0.00104	0.00300	1	04/23/2020 08:00	WG1464913
4-Chlorotoluene	U		0.000541	0.00601	1	04/23/2020 08:00	WG1464913
1,2-Dibromo-3-Chloropropane	U		0.00469	0.0300	1	04/23/2020 08:00	WG1464913
1,2-Dibromoethane	U		0.000779	0.00300	1	04/23/2020 08:00	WG1464913
Dibromomethane	U		0.000901	0.00601	1	04/23/2020 08:00	WG1464913
1,2-Dichlorobenzene	U		0.000511	0.00601	1	04/23/2020 08:00	WG1464913
1,3-Dichlorobenzene	U		0.000721	0.00601	1	04/23/2020 08:00	WG1464913
1,4-Dichlorobenzene	U		0.000841	0.00601	1	04/23/2020 08:00	WG1464913
Dichlorodifluoromethane	U		0.00193	0.00300	1	04/23/2020 08:00	WG1464913
1,1-Dichloroethane	U		0.000590	0.00300	1	04/23/2020 08:00	WG1464913
1,2-Dichloroethane	U		0.000780	0.00300	1	04/23/2020 08:00	WG1464913
1,1-Dichloroethene	U		0.000728	0.00300	1	04/23/2020 08:00	WG1464913
cis-1,2-Dichloroethene	U		0.000882	0.00300	1	04/23/2020 08:00	WG1464913
trans-1,2-Dichloroethene	U		0.00125	0.00601	1	04/23/2020 08:00	WG1464913
1,2-Dichloropropane	U		0.00171	0.00601	1	04/23/2020 08:00	WG1464913
1,1-Dichloropropene	U		0.000972	0.00300	1	04/23/2020 08:00	WG1464913
1,3-Dichloropropane	U		0.000602	0.00601	1	04/23/2020 08:00	WG1464913
cis-1,3-Dichloropropene	U		0.000910	0.00300	1	04/23/2020 08:00	WG1464913
trans-1,3-Dichloropropene	U		0.00137	0.00601	1	04/23/2020 08:00	WG1464913
trans-1,4-Dichloro-2-butene	U		0.00223	0.00601	1	04/23/2020 08:00	WG1464913
2,2-Dichloropropane	U		0.00166	0.00300	1	04/23/2020 08:00	WG1464913
Di-isopropyl ether	U		0.000493	0.00120	1	04/23/2020 08:00	WG1464913
Ethylbenzene	U		0.000885	0.00300	1	04/23/2020 08:00	WG1464913
Hexachloro-1,3-butadiene	U	J0	0.00721	0.0300	1	04/23/2020 08:00	WG1464913
2-Hexanone	U		0.00404	0.0300	1	04/23/2020 08:00	WG1464913
n-Hexane	U		0.00272	0.00601	1	04/23/2020 08:00	WG1464913
Iodomethane	U		0.00279	0.0150	1	04/23/2020 08:00	WG1464913
Isopropylbenzene	U		0.000511	0.00300	1	04/23/2020 08:00	WG1464913
p-Isopropyltoluene	U		0.00306	0.00601	1	04/23/2020 08:00	WG1464913
2-Butanone (MEK)	U		0.0763	0.120	1	04/23/2020 08:00	WG1464913
Methylene Chloride	U		0.00798	0.0300	1	04/23/2020 08:00	WG1464913
4-Methyl-2-pentanone (MIBK)	U		0.00274	0.0300	1	04/23/2020 08:00	WG1464913

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000421	0.00120	1	04/23/2020 08:00	WG1464913
Naphthalene	U		0.00586	0.0150	1	04/23/2020 08:00	WG1464913
n-Propylbenzene	U		0.00114	0.00601	1	04/23/2020 08:00	WG1464913
Styrene	U		0.000275	0.0150	1	04/23/2020 08:00	WG1464913
1,1,1,2-Tetrachloroethane	U		0.00114	0.00300	1	04/23/2020 08:00	WG1464913
1,1,2,2-Tetrachloroethane	U		0.000835	0.00300	1	04/23/2020 08:00	WG1464913
1,1,2-Trichlorotrifluoroethane	U		0.000906	0.00300	1	04/23/2020 08:00	WG1464913
Tetrachloroethene	U		0.00108	0.00300	1	04/23/2020 08:00	WG1464913
Toluene	U		0.00156	0.00601	1	04/23/2020 08:00	WG1464913
1,2,3-Trichlorobenzene	U		0.00881	0.0150	1	04/23/2020 08:00	WG1464913
1,2,4-Trichlorobenzene	U	J0	0.00529	0.0150	1	04/23/2020 08:00	WG1464913
1,1,1-Trichloroethane	U		0.00111	0.00300	1	04/23/2020 08:00	WG1464913
1,1,2-Trichloroethane	U		0.000717	0.00300	1	04/23/2020 08:00	WG1464913
Trichloroethene	U		0.000702	0.00120	1	04/23/2020 08:00	WG1464913
Trichlorofluoromethane	U		0.000994	0.00300	1	04/23/2020 08:00	WG1464913
1,2,3-Trichloropropane	U		0.00195	0.0150	1	04/23/2020 08:00	WG1464913
1,2,4-Trimethylbenzene	U		0.00190	0.00601	1	04/23/2020 08:00	WG1464913
1,2,3-Trimethylbenzene	U		0.00190	0.00601	1	04/23/2020 08:00	WG1464913
1,3,5-Trimethylbenzene	U		0.00240	0.00601	1	04/23/2020 08:00	WG1464913
Vinyl acetate	U		0.00305	0.0150	1	04/23/2020 08:00	WG1464913
Vinyl chloride	U		0.00139	0.00300	1	04/23/2020 08:00	WG1464913
Xylenes, Total	0.00142	J	0.00106	0.00781	1	04/23/2020 08:00	WG1464913
(S) Toluene-d8	*111*			*75.0-131*		*04/23/2020 08:00*	WG1464913
(S) 4-Bromofluorobenzene	*91.2*			*67.0-138*		*04/23/2020 08:00*	WG1464913
(S) 1,2-Dichloroethane-d4	*85.4*			*70.0-130*		*04/23/2020 08:00*	WG1464913

Method Blank (MB)

(MB) R3522487-1 04/27/20 12:11

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1210265-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1210265-01 04/27/20 12:11 • (DUP) R3522487-3 04/27/20 12:11

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.1	88.1	1	0.0935		10

Laboratory Control Sample (LCS)

(LCS) R3522487-2 04/27/20 12:11

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3522477-1 04/27/20 12:02

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1210278-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1210278-13 04/27/20 12:02 • (DUP) R3522477-3 04/27/20 12:02

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.8	88.4	1	0.646		10

Laboratory Control Sample (LCS)

(LCS) R3522477-2 04/27/20 12:02

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3522476-1 04/27/20 11:49

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1210278-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1210278-21 04/27/20 11:49 • (DUP) R3522476-3 04/27/20 11:49

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	64.8	64.5	1	0.473		10

Laboratory Control Sample (LCS)

(LCS) R3522476-2 04/27/20 11:49

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3522475-1 04/27/20 11:28

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1210278-29 Original Sample (OS) • Duplicate (DUP)

(OS) L1210278-29 04/27/20 11:28 • (DUP) R3522475-3 04/27/20 11:28

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.2	83.2	1	0.0546		10

Laboratory Control Sample (LCS)

(LCS) R3522475-2 04/27/20 11:28

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3521983-3 04/23/20 13:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	0.0841	J	0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*107*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3521983-2 04/23/20 12:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.40	98.2	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*77.0-120*	

Method Blank (MB)

(MB) R3522334-3 04/27/20 12:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*91.8*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3522334-2 04/27/20 11:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	4.90	89.1	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*104*	*77.0-120*	

Method Blank (MB)

(MB) R3522296-2 04/22/20 15:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromochloromethane	U		0.000564	0.00500
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon disulfide	U		0.000700	0.0125
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	0.00160	J	0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
trans-1,4-Dichloro-2-butene	U		0.00186	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100

Method Blank (MB)

(MB) R3522296-2 04/22/20 15:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
n-Hexane	U		0.00226	0.00500
2-Hexanone	U		0.00336	0.0250
Iodomethane	U		0.00232	0.0125
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	0.000950	J	0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
1,2,4-Trichlorobenzene	0.00725	J	0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl acetate	U		0.00254	0.0125
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*103*			*75.0-131*
(S) 4-Bromofluorobenzene	*103*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3522296-1 04/22/20 14:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.770	123	10.0-160	
Acrylonitrile	0.625	0.774	124	45.0-153	
Benzene	0.125	0.132	106	70.0-123	
Bromobenzene	0.125	0.132	106	73.0-121	
Bromodichloromethane	0.125	0.121	96.8	73.0-121	
Bromochloromethane	0.125	0.137	110	77.0-128	
Bromoform	0.125	0.139	111	64.0-132	
Bromomethane	0.125	0.164	131	56.0-147	
n-Butylbenzene	0.125	0.115	92.0	68.0-135	
sec-Butylbenzene	0.125	0.109	87.2	74.0-130	
tert-Butylbenzene	0.125	0.125	100	75.0-127	
Carbon disulfide	0.125	0.112	89.6	56.0-133	
Carbon tetrachloride	0.125	0.156	125	66.0-128	
Chlorobenzene	0.125	0.121	96.8	76.0-128	
Chlorodibromomethane	0.125	0.163	130	74.0-127	J4
Chloroethane	0.125	0.147	118	61.0-134	
Chloroform	0.125	0.103	82.4	72.0-123	
Chloromethane	0.125	0.138	110	51.0-138	
2-Chlorotoluene	0.125	0.152	122	75.0-124	
4-Chlorotoluene	0.125	0.115	92.0	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.136	109	59.0-130	
1,2-Dibromoethane	0.125	0.113	90.4	74.0-128	
Dibromomethane	0.125	0.132	106	75.0-122	
1,2-Dichlorobenzene	0.125	0.128	102	76.0-124	
1,3-Dichlorobenzene	0.125	0.111	88.8	76.0-125	
1,4-Dichlorobenzene	0.125	0.117	93.6	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.139	111	45.0-143	
Dichlorodifluoromethane	0.125	0.129	103	43.0-156	
1,1-Dichloroethane	0.125	0.142	114	70.0-127	
1,2-Dichloroethane	0.125	0.134	107	65.0-131	
1,1-Dichloroethene	0.125	0.124	99.2	65.0-131	
cis-1,2-Dichloroethene	0.125	0.118	94.4	73.0-125	
trans-1,2-Dichloroethene	0.125	0.127	102	71.0-125	
1,2-Dichloropropane	0.125	0.133	106	74.0-125	
1,1-Dichloropropene	0.125	0.109	87.2	73.0-125	
1,3-Dichloropropane	0.125	0.124	99.2	80.0-125	
cis-1,3-Dichloropropene	0.125	0.140	112	76.0-127	
trans-1,3-Dichloropropene	0.125	0.126	101	73.0-127	
2,2-Dichloropropane	0.125	0.183	146	59.0-135	J4
Di-isopropyl ether	0.125	0.111	88.8	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3522296-1 04/22/20 14:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.107	85.6	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.123	98.4	57.0-150	
2-Hexanone	0.625	0.648	104	54.0-147	
n-Hexane	0.125	0.140	112	55.0-137	
Iodomethane	0.625	0.781	125	74.0-134	
Isopropylbenzene	0.125	0.122	97.6	72.0-127	
p-Isopropyltoluene	0.125	0.117	93.6	72.0-133	
2-Butanone (MEK)	0.625	0.653	104	30.0-160	
Methylene Chloride	0.125	0.127	102	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.641	103	56.0-143	
Methyl tert-butyl ether	0.125	0.119	95.2	66.0-132	
Naphthalene	0.125	0.126	101	59.0-130	
n-Propylbenzene	0.125	0.120	96.0	74.0-126	
Styrene	0.125	0.113	90.4	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.111	88.8	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.120	96.0	68.0-128	
Tetrachloroethene	0.125	0.127	102	70.0-136	
Toluene	0.125	0.129	103	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.111	88.8	61.0-139	
1,2,4-Trichlorobenzene	0.125	0.124	99.2	62.0-137	
1,1,1-Trichloroethane	0.125	0.126	101	69.0-126	
1,1,2-Trichloroethane	0.125	0.132	106	78.0-123	
Trichloroethene	0.125	0.106	84.8	76.0-126	
Trichlorofluoromethane	0.125	0.126	101	61.0-142	
1,2,3-Trichloropropane	0.125	0.141	113	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.104	83.2	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.119	95.2	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.122	97.6	73.0-127	
Vinyl acetate	0.625	0.731	117	43.0-159	
Vinyl chloride	0.125	0.176	141	63.0-134	J4
Xylenes, Total	0.375	0.363	96.8	72.0-127	
(S) Toluene-d8			*102*	*75.0-131*	
(S) 4-Bromofluorobenzene			*103*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*110*	*70.0-130*	

Method Blank (MB)

(MB) R3521156-3 04/23/20 03:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromochloromethane	U		0.000564	0.00500
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon disulfide	U		0.000700	0.0125
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
trans-1,4-Dichloro-2-butene	U		0.00186	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100

Method Blank (MB)

(MB) R3521156-3 04/23/20 03:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
n-Hexane	U		0.00226	0.00500
2-Hexanone	U		0.00336	0.0250
Iodomethane	U		0.00232	0.0125
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl acetate	U		0.00254	0.0125
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*105*			*75.0-131*
(S) 4-Bromofluorobenzene	*93.2*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*92.4*			*70.0-130*

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

(LCS) R3521156-1 04/23/20 02:25 • (LCSD) R3521156-2 04/23/20 02:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.459	0.545	73.4	87.2	10.0-160			17.1	31
Acrylonitrile	0.625	0.603	0.629	96.5	101	45.0-153			4.22	22
Benzene	0.125	0.112	0.110	89.6	88.0	70.0-123			1.80	20
Bromobenzene	0.125	0.141	0.141	113	113	73.0-121			0.000	20
Bromodichloromethane	0.125	0.113	0.113	90.4	90.4	73.0-121			0.000	20
Bromochloromethane	0.125	0.0964	0.0943	77.1	75.4	77.0-128		J4	2.20	20
Bromoform	0.125	0.106	0.100	84.8	80.0	64.0-132			5.83	20
Bromomethane	0.125	0.0906	0.0889	72.5	71.1	56.0-147			1.89	20
n-Butylbenzene	0.125	0.102	0.0998	81.6	79.8	68.0-135			2.18	20
sec-Butylbenzene	0.125	0.126	0.124	101	99.2	74.0-130			1.60	20
tert-Butylbenzene	0.125	0.127	0.125	102	100	75.0-127			1.59	20
Carbon disulfide	0.125	0.0891	0.0868	71.3	69.4	56.0-133			2.62	20
Carbon tetrachloride	0.125	0.101	0.0991	80.8	79.3	66.0-128			1.90	20
Chlorobenzene	0.125	0.117	0.113	93.6	90.4	76.0-128			3.48	20
Chlorodibromomethane	0.125	0.104	0.102	83.2	81.6	74.0-127			1.94	20
Chloroethane	0.125	0.109	0.106	87.2	84.8	61.0-134			2.79	20
Chloroform	0.125	0.115	0.112	92.0	89.6	72.0-123			2.64	20
Chloromethane	0.125	0.145	0.138	116	110	51.0-138			4.95	20
2-Chlorotoluene	0.125	0.123	0.124	98.4	99.2	75.0-124			0.810	20
4-Chlorotoluene	0.125	0.135	0.132	108	106	75.0-124			2.25	20
1,2-Dibromo-3-Chloropropane	0.125	0.0969	0.0981	77.5	78.5	59.0-130			1.23	20
1,2-Dibromoethane	0.125	0.117	0.111	93.6	88.8	74.0-128			5.26	20
Dibromomethane	0.125	0.109	0.105	87.2	84.0	75.0-122			3.74	20
1,2-Dichlorobenzene	0.125	0.109	0.110	87.2	88.0	76.0-124			0.913	20
1,3-Dichlorobenzene	0.125	0.120	0.120	96.0	96.0	76.0-125			0.000	20
1,4-Dichlorobenzene	0.125	0.117	0.116	93.6	92.8	77.0-121			0.858	20
trans-1,4-Dichloro-2-butene	0.125	0.167	0.148	134	118	45.0-143			12.1	20
Dichlorodifluoromethane	0.125	0.151	0.149	121	119	43.0-156			1.33	20
1,1-Dichloroethane	0.125	0.116	0.116	92.8	92.8	70.0-127			0.000	20
1,2-Dichloroethane	0.125	0.136	0.133	109	106	65.0-131			2.23	20
1,1-Dichloroethene	0.125	0.116	0.115	92.8	92.0	65.0-131			0.866	20
cis-1,2-Dichloroethene	0.125	0.103	0.102	82.4	81.6	73.0-125			0.976	20
trans-1,2-Dichloroethene	0.125	0.108	0.106	86.4	84.8	71.0-125			1.87	20
1,2-Dichloropropane	0.125	0.140	0.140	112	112	74.0-125			0.000	20
1,1-Dichloropropene	0.125	0.103	0.102	82.4	81.6	73.0-125			0.976	20
1,3-Dichloropropane	0.125	0.125	0.119	100	95.2	80.0-125			4.92	20
cis-1,3-Dichloropropene	0.125	0.125	0.121	100	96.8	76.0-127			3.25	20
trans-1,3-Dichloropropene	0.125	0.126	0.121	101	96.8	73.0-127			4.05	20
2,2-Dichloropropane	0.125	0.0899	0.0848	71.9	67.8	59.0-135			5.84	20
Di-isopropyl ether	0.125	0.149	0.145	119	116	60.0-136			2.72	20

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

(LCS) R3521156-1 04/23/20 02:25 • (LCSD) R3521156-2 04/23/20 02:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.125	0.114	0.113	91.2	90.4	74.0-126			0.881	20
Hexachloro-1,3-butadiene	0.125	0.0914	0.0908	73.1	72.6	57.0-150			0.659	20
n-Hexane	0.125	0.148	0.135	118	108	55.0-137			9.19	20
2-Hexanone	0.625	0.731	0.736	117	118	54.0-147			0.682	20
Iodomethane	0.625	0.549	0.526	87.8	84.2	74.0-134			4.28	20
Isopropylbenzene	0.125	0.101	0.0997	80.8	79.8	72.0-127			1.30	20
p-Isopropyltoluene	0.125	0.114	0.114	91.2	91.2	72.0-133			0.000	20
2-Butanone (MEK)	0.625	0.674	0.715	108	114	30.0-160			5.90	24
Methylene Chloride	0.125	0.0976	0.0975	78.1	78.0	68.0-123			0.103	20
4-Methyl-2-pentanone (MIBK)	0.625	0.701	0.699	112	112	56.0-143			0.286	20
Methyl tert-butyl ether	0.125	0.102	0.102	81.6	81.6	66.0-132			0.000	20
Naphthalene	0.125	0.0974	0.101	77.9	80.8	59.0-130			3.63	20
n-Propylbenzene	0.125	0.130	0.128	104	102	74.0-126			1.55	20
Styrene	0.125	0.108	0.105	86.4	84.0	72.0-127			2.82	20
1,1,1,2-Tetrachloroethane	0.125	0.106	0.101	84.8	80.8	74.0-129			4.83	20
1,1,2,2-Tetrachloroethane	0.125	0.142	0.143	114	114	68.0-128			0.702	20
Tetrachloroethene	0.125	0.113	0.112	90.4	89.6	70.0-136			0.889	20
Toluene	0.125	0.119	0.113	95.2	90.4	75.0-121			5.17	20
1,1,2-Trichlorotrifluoroethane	0.125	0.117	0.111	93.6	88.8	61.0-139			5.26	20
1,2,3-Trichlorobenzene	0.125	0.104	0.102	83.2	81.6	59.0-139			1.94	20
1,2,4-Trichlorobenzene	0.125	0.0965	0.0959	77.2	76.7	62.0-137			0.624	20
1,1,1-Trichloroethane	0.125	0.110	0.108	88.0	86.4	69.0-126			1.83	20
1,1,2-Trichloroethane	0.125	0.126	0.122	101	97.6	78.0-123			3.23	20
Trichloroethene	0.125	0.112	0.106	89.6	84.8	76.0-126			5.50	20
Trichlorofluoromethane	0.125	0.119	0.111	95.2	88.8	61.0-142			6.96	20
1,2,3-Trichloropropane	0.125	0.131	0.129	105	103	67.0-129			1.54	20
1,2,3-Trimethylbenzene	0.125	0.107	0.108	85.6	86.4	74.0-124			0.930	20
1,2,4-Trimethylbenzene	0.125	0.115	0.112	92.0	89.6	70.0-126			2.64	20
1,3,5-Trimethylbenzene	0.125	0.134	0.131	107	105	73.0-127			2.26	20
Vinyl acetate	0.625	0.769	0.741	123	119	43.0-159			3.71	20
Vinyl chloride	0.125	0.137	0.134	110	107	63.0-134			2.21	20
Xylenes, Total	0.375	0.324	0.315	86.4	84.0	72.0-127			2.82	20
(S) Toluene-d8				*108*	*105*	*75.0-131*				
(S) 4-Bromofluorobenzene				*91.4*	*89.7*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*97.4*	*98.1*	*70.0-130*				

Method Blank (MB)

(MB) R3522308-3 04/23/20 10:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
n-Propylbenzene	U		0.000950	0.00500
(S) Toluene-d8	*107*			*75.0-131*
(S) 4-Bromofluorobenzene	*102*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*

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

(LCS) R3522308-1 04/23/20 09:29 • (LCSD) R3522308-2 04/23/20 09:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
n-Propylbenzene	0.125	0.130	0.117	104	93.6	74.0-126			10.5	20
(S) Toluene-d8				*108*	*105*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*106*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*93.9*	*92.9*	*70.0-130*				

Method Blank (MB)

(MB) R3522503-2 04/27/20 22:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
1,2,3-Trichlorobenzene	U		0.00733	0.0125
(S) Toluene-d8	*106*			*75.0-131*
(S) 4-Bromofluorobenzene	*94.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3522503-1 04/27/20 21:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,3-Trichlorobenzene	0.125	0.132	106	59.0-139	
(S) Toluene-d8			*101*	*75.0-131*	
(S) 4-Bromofluorobenzene			*98.1*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*108*	*70.0-130*	

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

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

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J4	The associated batch QC was outside the established quality control range for accuracy.

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

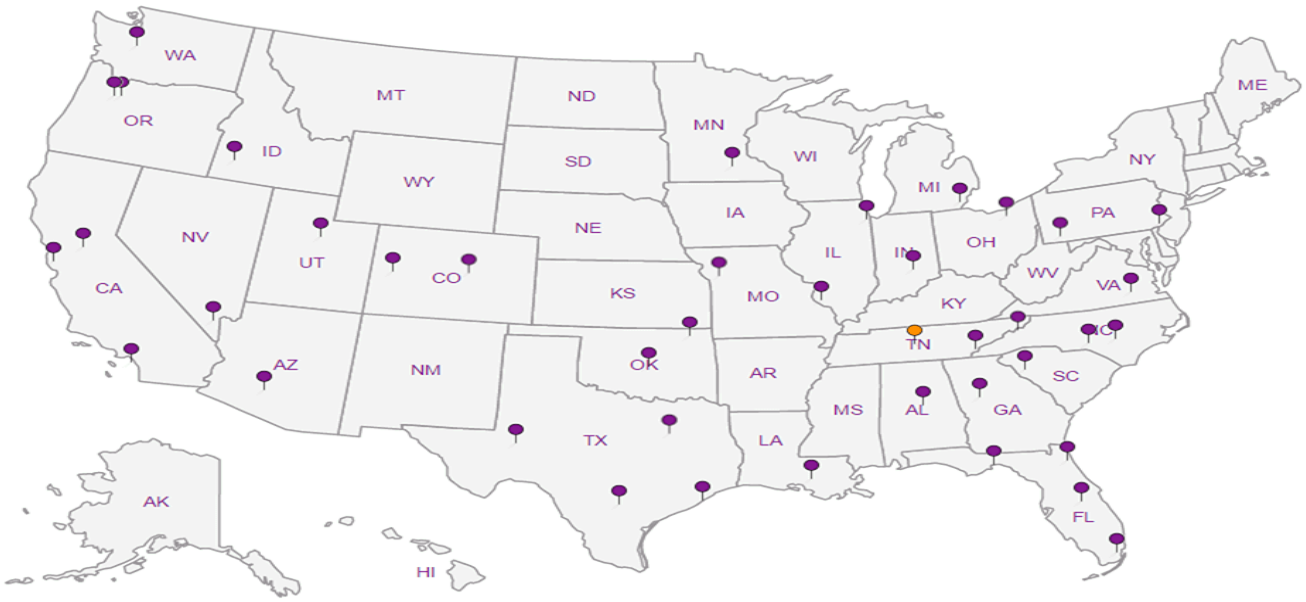
Third Party Federal Accreditations

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.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;

Project Description: American Linen

City/State Collected: SEATTLE WA

Please Circle: PT MT CT ET

Phone: 206-529-3980

Client Project # 1413.001.02.501B

Lab Project # PESENVSWA-ALP

Collected by (print): R.McLAUGHLIN

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260D 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	trip blk VOC 8260LLC 40mlAmb-HCl-Blk	NWTPH-Gx (GRO)							Remarks	Sample # (lab only)
TB-041720	—	SS	—	4/17/20	1400	1			X	X								-01
MW-334-6	Grab	SS	6	4/16/20	0840	2	X	X										02
MW-334-10		SS	10		0842	2	X	X		X								03
MW-334-13		SS	13		0905	2	X	X		X								04
MW-334-17		SS	17		0910	2	X	X		X								05
MW-334-23		SS	23		0938	2	X	X		X								06
MW-334-28		SS	28		0940	2	X	X										07
MW-334-35		SS	35		1010	2	X	X										08
MW-334-40	↓	SS	40	↓	1012	2	X	X										09
MW-334-45.5	Grab	SS	45.5	4/16/20	1045	2	X	X										10

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

SDG # L1216278

B002

Acctnum: PESENVSWA

Template: T165829

Prelogin: P766851

PM: 110 - Brian Ford

PB:

Shipped Via:

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1749 9997 0175

Sample Receipt Checklist

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes / No) HCl / MeoH TBR
RTMcLaughl	4/17/20	1500		(1)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.1°C Bottles Received: 56
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4-18-20 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

2 3

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;

Project Description: American Linen

City/State Collected: Seattle WA

Please Circle: PT MT CT ET

Phone: 206-529-3980

Client Project # 1413.001.02.501B

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260D 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	trip blk VOC 8260LLC 40mlAmb-HCl-Blk								
MW-334-50	Grab	SS	50	4/16/20	1047	2	X	X									11
MW-334-54.5		SS	54.5		1120	2	X	X									12
MW-334-60		SS	60		1122	2	X	X									13
MW-334-63		SS	63	4/16/20	1140	2	X	X									14
MW-332-7		SS	7	4/17/20	0835	2	X	X									15
MW-332-11		SS	11		0905	2	X	X									16
MW-332-20 ~~16~~		SS	2516		0907	2	X	X									17
MW-332-2820		SS	20		0930	2	X	X									18
MW-332-3025		SS	25		0935	2	X	X									19
MW-332-30	Grab	SS	30	4/17/20	0938	2	X	X									20

RM 4/17

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

SDG # L1210278

Table #

Acctnum: PESENVSWA

Template: T165829

Prelogin: P766851

PM: 110 - Brian Ford

PB:

Shipped Via:

Remarks | Sample # (lab only)

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	4/17/20	1500			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.1°C	Bottles Received: 56
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4-18-20	Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 3 of 3

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;

Project Description: American Linen

City/State Collected: Seattle WA

Please Circle: PT MT CT ET

Phone: 206-529-3980

Client Project # 1413.001.02.501B

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed =

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260D 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	trip blk VOC 8260LLC 40mlAmb-HCl-Blk	NWTPH-Gx (GRO)	Remarks	Sample # (lab only)
MW-331-7	GRAB	SS	7	4/17/20	1147	2	X	X		X		21
MW-331-11		SS	11		1155	2	X	X		X		22
MW-331-16		SS	16		1225	2	X	X		X		23
MW-331-20		SS	20		1227	2	X	X		X		24
MW-331-29.5		SS	29.5		1240	2	X	X		X		25
MW-331-35		SS	35		1254	2	X	X				26
MW-331-40		SS	40		1258	2	X	X				27
MW-331-45		SS	45		1335	2	X	X				28
MW-2018-35	Grab	SS	35	4/17/20	1050	2	X	X				29
		SS										

Analysis / Container / Preservative

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

SDG # L1210278

Table #

Acctnum: PESENVSWA

Template: T165829

Prelogin: P766851

PM: 110 - Brian Ford

PB:

Shipped Via:

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: UPS __ FedEx __ Courier _____

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	4/17/20	1500		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.1°C Bottles Received: 56
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4-18-20 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 29, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1211046
Samples Received:	04/22/2020
Project Number:	1413.001.02.501E
Description:	American Linen
Site:	1413.001.02.501E
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

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-325-042120 L1211046-01 GW

Collected by: Ben Hecht | Collected date/time: 04/21/20 09:50 | Received date/time: 04/22/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1464743	1	04/23/20 01:03	04/23/20 01:03	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1464588	1	04/22/20 17:32	04/22/20 17:32	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1465355	1	04/23/20 18:08	04/23/20 18:08	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1464780	1	04/23/20 20:56	04/24/20 01:16	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1464780	5	04/23/20 20:56	04/24/20 08:57	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1466697	1	04/27/20 11:36	04/27/20 11:36	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466101	1	04/26/20 22:42	04/26/20 22:42	ACG	Mt. Juliet, TN

MW-326-042120 L1211046-02 GW

Collected by: Ben Hecht | Collected date/time: 04/21/20 12:40 | Received date/time: 04/22/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1464743	1	04/23/20 01:11	04/23/20 01:11	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1464588	1	04/22/20 18:07	04/22/20 18:07	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1465355	1	04/23/20 18:23	04/23/20 18:23	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1464780	5	04/23/20 20:56	04/24/20 09:01	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1466697	1	04/27/20 11:39	04/27/20 11:39	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466101	1	04/26/20 23:02	04/26/20 23:02	ACG	Mt. Juliet, TN

MW-316-042120 L1211046-03 GW

Collected by: Ben Hecht | Collected date/time: 04/21/20 14:45 | Received date/time: 04/22/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1464743	1	04/23/20 01:19	04/23/20 01:19	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1464588	1	04/22/20 19:01	04/22/20 19:01	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1465355	1	04/23/20 19:53	04/23/20 19:53	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1464780	5	04/23/20 20:56	04/24/20 09:04	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1466697	1	04/27/20 11:41	04/27/20 11:41	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466101	1	04/26/20 23:22	04/26/20 23:22	ACG	Mt. Juliet, TN

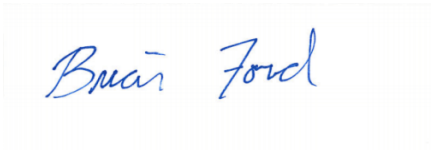
TB-042120 L1211046-04 GW

Collected by: Ben Hecht | Collected date/time: 04/21/20 16:30 | Received date/time: 04/22/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466101	1	04/26/20 22:02	04/26/20 22:02	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.



Brian Ford
Project Manager

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	229000		8450	20000	1	04/23/2020 01:03	WG1464743

Sample Narrative:

L1211046-01 WG1464743: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	19800		379	1000	1	04/22/2020 17:32	WG1464588
Nitrate	3140		48.0	100	1	04/22/2020 17:32	WG1464588
Sulfate	84200		594	5000	1	04/22/2020 17:32	WG1464588

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2670		102	1000	1	04/23/2020 18:08	WG1465355

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	163		48.9	100	1	04/24/2020 01:16	WG1464780
Manganese	310		6.60	25.0	5	04/24/2020 08:57	WG1464780

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	14.4		0.287	0.678	1	04/27/2020 11:36	WG1466697
Ethane	U		0.296	1.29	1	04/27/2020 11:36	WG1466697
Ethene	U		0.422	1.27	1	04/27/2020 11:36	WG1466697

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	04/26/2020 22:42	WG1466101
Acrylonitrile	U		0.671	5.00	1	04/26/2020 22:42	WG1466101
Benzene	U		0.0941	0.500	1	04/26/2020 22:42	WG1466101
Bromobenzene	U		0.118	0.500	1	04/26/2020 22:42	WG1466101
Bromodichloromethane	U		0.136	0.500	1	04/26/2020 22:42	WG1466101
Bromochloromethane	U		0.128	0.500	1	04/26/2020 22:42	WG1466101
Bromoform	U		0.129	0.500	1	04/26/2020 22:42	WG1466101
Bromomethane	U		0.605	2.50	1	04/26/2020 22:42	WG1466101
n-Butylbenzene	U		0.157	0.500	1	04/26/2020 22:42	WG1466101
sec-Butylbenzene	U		0.125	0.500	1	04/26/2020 22:42	WG1466101
tert-Butylbenzene	U		0.127	0.500	1	04/26/2020 22:42	WG1466101
Carbon disulfide	U		0.0962	0.500	1	04/26/2020 22:42	WG1466101
Carbon tetrachloride	U		0.128	0.500	1	04/26/2020 22:42	WG1466101
Chlorobenzene	U		0.117	0.500	1	04/26/2020 22:42	WG1466101
Chlorodibromomethane	U		0.140	0.500	1	04/26/2020 22:42	WG1466101
Chloroethane	U		0.192	2.50	1	04/26/2020 22:42	WG1466101
Chloroform	U		0.111	0.500	1	04/26/2020 22:42	WG1466101
Chloromethane	U		0.960	1.25	1	04/26/2020 22:42	WG1466101
2-Chlorotoluene	U		0.106	0.500	1	04/26/2020 22:42	WG1466101
4-Chlorotoluene	U		0.114	0.500	1	04/26/2020 22:42	WG1466101

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/26/2020 22:42	WG1466101
1,2-Dibromoethane	U		0.126	0.500	1	04/26/2020 22:42	WG1466101
Dibromomethane	U		0.122	0.500	1	04/26/2020 22:42	WG1466101
1,2-Dichlorobenzene	U		0.107	0.500	1	04/26/2020 22:42	WG1466101
1,3-Dichlorobenzene	U		0.299	0.500	1	04/26/2020 22:42	WG1466101
1,4-Dichlorobenzene	U		0.120	0.500	1	04/26/2020 22:42	WG1466101
Dichlorodifluoromethane	U		0.374	2.50	1	04/26/2020 22:42	WG1466101
1,1-Dichloroethane	U		0.100	0.500	1	04/26/2020 22:42	WG1466101
1,2-Dichloroethane	U		0.0819	0.500	1	04/26/2020 22:42	WG1466101
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2020 22:42	WG1466101
cis-1,2-Dichloroethene	0.696		0.126	0.500	1	04/26/2020 22:42	WG1466101
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/26/2020 22:42	WG1466101
1,2-Dichloropropane	U		0.149	0.500	1	04/26/2020 22:42	WG1466101
1,1-Dichloropropene	U		0.142	0.500	1	04/26/2020 22:42	WG1466101
1,3-Dichloropropane	U		0.109	1.00	1	04/26/2020 22:42	WG1466101
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/26/2020 22:42	WG1466101
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/26/2020 22:42	WG1466101
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/26/2020 22:42	WG1466101
2,2-Dichloropropane	U	J4	0.161	0.500	1	04/26/2020 22:42	WG1466101
Di-isopropyl ether	U	J4	0.105	0.500	1	04/26/2020 22:42	WG1466101
Ethylbenzene	U		0.137	0.500	1	04/26/2020 22:42	WG1466101
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/26/2020 22:42	WG1466101
2-Hexanone	U		0.787	5.00	1	04/26/2020 22:42	WG1466101
n-Hexane	U		0.749	5.00	1	04/26/2020 22:42	WG1466101
Iodomethane	U		6.00	10.0	1	04/26/2020 22:42	WG1466101
Isopropylbenzene	U		0.105	0.500	1	04/26/2020 22:42	WG1466101
p-Isopropyltoluene	U		0.120	0.500	1	04/26/2020 22:42	WG1466101
2-Butanone (MEK)	U		1.19	5.00	1	04/26/2020 22:42	WG1466101
Methylene Chloride	U		0.430	2.50	1	04/26/2020 22:42	WG1466101
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/26/2020 22:42	WG1466101
Methyl tert-butyl ether	U		0.101	0.500	1	04/26/2020 22:42	WG1466101
Naphthalene	U		0.174	2.50	1	04/26/2020 22:42	WG1466101
n-Propylbenzene	U		0.0993	0.500	1	04/26/2020 22:42	WG1466101
Styrene	U		0.118	0.500	1	04/26/2020 22:42	WG1466101
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/26/2020 22:42	WG1466101
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/26/2020 22:42	WG1466101
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/26/2020 22:42	WG1466101
Tetrachloroethene	U		0.300	0.500	1	04/26/2020 22:42	WG1466101
Toluene	U		0.278	0.500	1	04/26/2020 22:42	WG1466101
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2020 22:42	WG1466101
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/26/2020 22:42	WG1466101
1,1,1-Trichloroethane	U		0.149	0.500	1	04/26/2020 22:42	WG1466101
1,1,2-Trichloroethane	U		0.158	0.500	1	04/26/2020 22:42	WG1466101
Trichloroethene	U		0.190	0.500	1	04/26/2020 22:42	WG1466101
Trichlorofluoromethane	U		0.160	2.50	1	04/26/2020 22:42	WG1466101
1,2,3-Trichloropropane	U		0.237	2.50	1	04/26/2020 22:42	WG1466101
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/26/2020 22:42	WG1466101
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 22:42	WG1466101
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 22:42	WG1466101
Vinyl acetate	U		0.692	5.00	1	04/26/2020 22:42	WG1466101
Vinyl chloride	U		0.234	0.500	1	04/26/2020 22:42	WG1466101
Xylenes, Total	U		0.174	1.50	1	04/26/2020 22:42	WG1466101
(S) Toluene-d8	*105*			*80.0-120*		*04/26/2020 22:42*	WG1466101
(S) 4-Bromofluorobenzene	*96.8*			*77.0-126*		*04/26/2020 22:42*	WG1466101
(S) 1,2-Dichloroethane-d4	*128*			*70.0-130*		*04/26/2020 22:42*	WG1466101

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	242000		8450	20000	1	04/23/2020 01:11	WG1464743

Sample Narrative:
L1211046-02 WG1464743: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	20400		379	1000	1	04/22/2020 18:07	WG1464588
Nitrate	U		48.0	100	1	04/22/2020 18:07	WG1464588
Sulfate	50800		594	5000	1	04/22/2020 18:07	WG1464588

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1070	B	102	1000	1	04/23/2020 18:23	WG1465355

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4020		244	500	5	04/24/2020 09:01	WG1464780
Manganese	485		6.60	25.0	5	04/24/2020 09:01	WG1464780

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	16.5		0.287	0.678	1	04/27/2020 11:39	WG1466697
Ethane	U		0.296	1.29	1	04/27/2020 11:39	WG1466697
Ethene	U		0.422	1.27	1	04/27/2020 11:39	WG1466697

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	04/26/2020 23:02	WG1466101
Acrylonitrile	U		0.671	5.00	1	04/26/2020 23:02	WG1466101
Benzene	0.108	J	0.0941	0.500	1	04/26/2020 23:02	WG1466101
Bromobenzene	U		0.118	0.500	1	04/26/2020 23:02	WG1466101
Bromodichloromethane	U		0.136	0.500	1	04/26/2020 23:02	WG1466101
Bromochloromethane	U		0.128	0.500	1	04/26/2020 23:02	WG1466101
Bromoform	U		0.129	0.500	1	04/26/2020 23:02	WG1466101
Bromomethane	U		0.605	2.50	1	04/26/2020 23:02	WG1466101
n-Butylbenzene	U		0.157	0.500	1	04/26/2020 23:02	WG1466101
sec-Butylbenzene	U		0.125	0.500	1	04/26/2020 23:02	WG1466101
tert-Butylbenzene	U		0.127	0.500	1	04/26/2020 23:02	WG1466101
Carbon disulfide	U		0.0962	0.500	1	04/26/2020 23:02	WG1466101
Carbon tetrachloride	U		0.128	0.500	1	04/26/2020 23:02	WG1466101
Chlorobenzene	U		0.117	0.500	1	04/26/2020 23:02	WG1466101
Chlorodibromomethane	U		0.140	0.500	1	04/26/2020 23:02	WG1466101
Chloroethane	U		0.192	2.50	1	04/26/2020 23:02	WG1466101
Chloroform	U		0.111	0.500	1	04/26/2020 23:02	WG1466101
Chloromethane	U		0.960	1.25	1	04/26/2020 23:02	WG1466101
2-Chlorotoluene	U		0.106	0.500	1	04/26/2020 23:02	WG1466101
4-Chlorotoluene	U		0.114	0.500	1	04/26/2020 23:02	WG1466101

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/26/2020 23:02	WG1466101
1,2-Dibromoethane	U		0.126	0.500	1	04/26/2020 23:02	WG1466101
Dibromomethane	U		0.122	0.500	1	04/26/2020 23:02	WG1466101
1,2-Dichlorobenzene	U		0.107	0.500	1	04/26/2020 23:02	WG1466101
1,3-Dichlorobenzene	U		0.299	0.500	1	04/26/2020 23:02	WG1466101
1,4-Dichlorobenzene	U		0.120	0.500	1	04/26/2020 23:02	WG1466101
Dichlorodifluoromethane	U		0.374	2.50	1	04/26/2020 23:02	WG1466101
1,1-Dichloroethane	U		0.100	0.500	1	04/26/2020 23:02	WG1466101
1,2-Dichloroethane	U		0.0819	0.500	1	04/26/2020 23:02	WG1466101
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2020 23:02	WG1466101
cis-1,2-Dichloroethene	0.971		0.126	0.500	1	04/26/2020 23:02	WG1466101
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/26/2020 23:02	WG1466101
1,2-Dichloropropane	U		0.149	0.500	1	04/26/2020 23:02	WG1466101
1,1-Dichloropropene	U		0.142	0.500	1	04/26/2020 23:02	WG1466101
1,3-Dichloropropane	U		0.109	1.00	1	04/26/2020 23:02	WG1466101
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/26/2020 23:02	WG1466101
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/26/2020 23:02	WG1466101
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/26/2020 23:02	WG1466101
2,2-Dichloropropane	U	J4	0.161	0.500	1	04/26/2020 23:02	WG1466101
Di-isopropyl ether	U	J4	0.105	0.500	1	04/26/2020 23:02	WG1466101
Ethylbenzene	U		0.137	0.500	1	04/26/2020 23:02	WG1466101
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/26/2020 23:02	WG1466101
2-Hexanone	U		0.787	5.00	1	04/26/2020 23:02	WG1466101
n-Hexane	U		0.749	5.00	1	04/26/2020 23:02	WG1466101
Iodomethane	U		6.00	10.0	1	04/26/2020 23:02	WG1466101
Isopropylbenzene	U		0.105	0.500	1	04/26/2020 23:02	WG1466101
p-Isopropyltoluene	U		0.120	0.500	1	04/26/2020 23:02	WG1466101
2-Butanone (MEK)	U		1.19	5.00	1	04/26/2020 23:02	WG1466101
Methylene Chloride	U		0.430	2.50	1	04/26/2020 23:02	WG1466101
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/26/2020 23:02	WG1466101
Methyl tert-butyl ether	U		0.101	0.500	1	04/26/2020 23:02	WG1466101
Naphthalene	U		0.174	2.50	1	04/26/2020 23:02	WG1466101
n-Propylbenzene	U		0.0993	0.500	1	04/26/2020 23:02	WG1466101
Styrene	U		0.118	0.500	1	04/26/2020 23:02	WG1466101
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/26/2020 23:02	WG1466101
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/26/2020 23:02	WG1466101
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/26/2020 23:02	WG1466101
Tetrachloroethene	U		0.300	0.500	1	04/26/2020 23:02	WG1466101
Toluene	U		0.278	0.500	1	04/26/2020 23:02	WG1466101
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2020 23:02	WG1466101
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/26/2020 23:02	WG1466101
1,1,1-Trichloroethane	U		0.149	0.500	1	04/26/2020 23:02	WG1466101
1,1,2-Trichloroethane	U		0.158	0.500	1	04/26/2020 23:02	WG1466101
Trichloroethene	U		0.190	0.500	1	04/26/2020 23:02	WG1466101
Trichlorofluoromethane	U		0.160	2.50	1	04/26/2020 23:02	WG1466101
1,2,3-Trichloropropane	U		0.237	2.50	1	04/26/2020 23:02	WG1466101
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/26/2020 23:02	WG1466101
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 23:02	WG1466101
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 23:02	WG1466101
Vinyl acetate	U		0.692	5.00	1	04/26/2020 23:02	WG1466101
Vinyl chloride	0.515	J0	0.234	0.500	1	04/26/2020 23:02	WG1466101
Xylenes, Total	U		0.174	1.50	1	04/26/2020 23:02	WG1466101
(S) Toluene-d8	*101*			*80.0-120*		*04/26/2020 23:02*	WG1466101
(S) 4-Bromofluorobenzene	*94.8*			*77.0-126*		*04/26/2020 23:02*	WG1466101
(S) 1,2-Dichloroethane-d4	*128*			*70.0-130*		*04/26/2020 23:02*	WG1466101

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	325000		8450	20000	1	04/23/2020 01:19	WG1464743

Sample Narrative:

L1211046-03 WG1464743: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	16400		379	1000	1	04/22/2020 19:01	WG1464588
Nitrate	U		48.0	100	1	04/22/2020 19:01	WG1464588
Sulfate	58200		594	5000	1	04/22/2020 19:01	WG1464588

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1760		102	1000	1	04/23/2020 19:53	WG1465355

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3540		244	500	5	04/24/2020 09:04	WG1464780
Manganese	318		6.60	25.0	5	04/24/2020 09:04	WG1464780

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	350		0.287	0.678	1	04/27/2020 11:41	WG1466697
Ethane	U		0.296	1.29	1	04/27/2020 11:41	WG1466697
Ethene	U		0.422	1.27	1	04/27/2020 11:41	WG1466697

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	04/26/2020 23:22	WG1466101
Acrylonitrile	U		0.671	5.00	1	04/26/2020 23:22	WG1466101
Benzene	U		0.0941	0.500	1	04/26/2020 23:22	WG1466101
Bromobenzene	U		0.118	0.500	1	04/26/2020 23:22	WG1466101
Bromodichloromethane	U		0.136	0.500	1	04/26/2020 23:22	WG1466101
Bromochloromethane	U		0.128	0.500	1	04/26/2020 23:22	WG1466101
Bromoform	U		0.129	0.500	1	04/26/2020 23:22	WG1466101
Bromomethane	U		0.605	2.50	1	04/26/2020 23:22	WG1466101
n-Butylbenzene	U		0.157	0.500	1	04/26/2020 23:22	WG1466101
sec-Butylbenzene	U		0.125	0.500	1	04/26/2020 23:22	WG1466101
tert-Butylbenzene	U		0.127	0.500	1	04/26/2020 23:22	WG1466101
Carbon disulfide	0.642		0.0962	0.500	1	04/26/2020 23:22	WG1466101
Carbon tetrachloride	U		0.128	0.500	1	04/26/2020 23:22	WG1466101
Chlorobenzene	U		0.117	0.500	1	04/26/2020 23:22	WG1466101
Chlorodibromomethane	U		0.140	0.500	1	04/26/2020 23:22	WG1466101
Chloroethane	U		0.192	2.50	1	04/26/2020 23:22	WG1466101
Chloroform	U		0.111	0.500	1	04/26/2020 23:22	WG1466101
Chloromethane	U		0.960	1.25	1	04/26/2020 23:22	WG1466101
2-Chlorotoluene	U		0.106	0.500	1	04/26/2020 23:22	WG1466101
4-Chlorotoluene	U		0.114	0.500	1	04/26/2020 23:22	WG1466101

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/26/2020 23:22	WG1466101
1,2-Dibromoethane	U		0.126	0.500	1	04/26/2020 23:22	WG1466101
Dibromomethane	U		0.122	0.500	1	04/26/2020 23:22	WG1466101
1,2-Dichlorobenzene	U		0.107	0.500	1	04/26/2020 23:22	WG1466101
1,3-Dichlorobenzene	U		0.299	0.500	1	04/26/2020 23:22	WG1466101
1,4-Dichlorobenzene	U		0.120	0.500	1	04/26/2020 23:22	WG1466101
Dichlorodifluoromethane	U		0.374	2.50	1	04/26/2020 23:22	WG1466101
1,1-Dichloroethane	U		0.100	0.500	1	04/26/2020 23:22	WG1466101
1,2-Dichloroethane	U		0.0819	0.500	1	04/26/2020 23:22	WG1466101
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2020 23:22	WG1466101
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/26/2020 23:22	WG1466101
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/26/2020 23:22	WG1466101
1,2-Dichloropropane	U		0.149	0.500	1	04/26/2020 23:22	WG1466101
1,1-Dichloropropene	U		0.142	0.500	1	04/26/2020 23:22	WG1466101
1,3-Dichloropropane	U		0.109	1.00	1	04/26/2020 23:22	WG1466101
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/26/2020 23:22	WG1466101
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/26/2020 23:22	WG1466101
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/26/2020 23:22	WG1466101
2,2-Dichloropropane	U	J4	0.161	0.500	1	04/26/2020 23:22	WG1466101
Di-isopropyl ether	U	J4	0.105	0.500	1	04/26/2020 23:22	WG1466101
Ethylbenzene	U		0.137	0.500	1	04/26/2020 23:22	WG1466101
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/26/2020 23:22	WG1466101
2-Hexanone	U		0.787	5.00	1	04/26/2020 23:22	WG1466101
n-Hexane	U		0.749	5.00	1	04/26/2020 23:22	WG1466101
Iodomethane	U		6.00	10.0	1	04/26/2020 23:22	WG1466101
Isopropylbenzene	U		0.105	0.500	1	04/26/2020 23:22	WG1466101
p-Isopropyltoluene	U		0.120	0.500	1	04/26/2020 23:22	WG1466101
2-Butanone (MEK)	U		1.19	5.00	1	04/26/2020 23:22	WG1466101
Methylene Chloride	U		0.430	2.50	1	04/26/2020 23:22	WG1466101
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/26/2020 23:22	WG1466101
Methyl tert-butyl ether	U		0.101	0.500	1	04/26/2020 23:22	WG1466101
Naphthalene	U		0.174	2.50	1	04/26/2020 23:22	WG1466101
n-Propylbenzene	U		0.0993	0.500	1	04/26/2020 23:22	WG1466101
Styrene	U		0.118	0.500	1	04/26/2020 23:22	WG1466101
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/26/2020 23:22	WG1466101
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/26/2020 23:22	WG1466101
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/26/2020 23:22	WG1466101
Tetrachloroethene	U		0.300	0.500	1	04/26/2020 23:22	WG1466101
Toluene	U		0.278	0.500	1	04/26/2020 23:22	WG1466101
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2020 23:22	WG1466101
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/26/2020 23:22	WG1466101
1,1,1-Trichloroethane	U		0.149	0.500	1	04/26/2020 23:22	WG1466101
1,1,2-Trichloroethane	U		0.158	0.500	1	04/26/2020 23:22	WG1466101
Trichloroethene	U		0.190	0.500	1	04/26/2020 23:22	WG1466101
Trichlorofluoromethane	U		0.160	2.50	1	04/26/2020 23:22	WG1466101
1,2,3-Trichloropropane	U		0.237	2.50	1	04/26/2020 23:22	WG1466101
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/26/2020 23:22	WG1466101
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 23:22	WG1466101
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 23:22	WG1466101
Vinyl acetate	U		0.692	5.00	1	04/26/2020 23:22	WG1466101
Vinyl chloride	U		0.234	0.500	1	04/26/2020 23:22	WG1466101
Xylenes, Total	U		0.174	1.50	1	04/26/2020 23:22	WG1466101
(S) Toluene-d8	*101*			*80.0-120*		*04/26/2020 23:22*	WG1466101
(S) 4-Bromofluorobenzene	*98.6*			*77.0-126*		*04/26/2020 23:22*	WG1466101
(S) 1,2-Dichloroethane-d4	*129*			*70.0-130*		*04/26/2020 23:22*	WG1466101

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	04/26/2020 22:02	WG1466101
Acrylonitrile	U		0.671	5.00	1	04/26/2020 22:02	WG1466101
Benzene	U		0.0941	0.500	1	04/26/2020 22:02	WG1466101
Bromobenzene	U		0.118	0.500	1	04/26/2020 22:02	WG1466101
Bromodichloromethane	U		0.136	0.500	1	04/26/2020 22:02	WG1466101
Bromochloromethane	U		0.128	0.500	1	04/26/2020 22:02	WG1466101
Bromoform	U		0.129	0.500	1	04/26/2020 22:02	WG1466101
Bromomethane	U		0.605	2.50	1	04/26/2020 22:02	WG1466101
n-Butylbenzene	U		0.157	0.500	1	04/26/2020 22:02	WG1466101
sec-Butylbenzene	U		0.125	0.500	1	04/26/2020 22:02	WG1466101
tert-Butylbenzene	U		0.127	0.500	1	04/26/2020 22:02	WG1466101
Carbon disulfide	U		0.0962	0.500	1	04/26/2020 22:02	WG1466101
Carbon tetrachloride	U		0.128	0.500	1	04/26/2020 22:02	WG1466101
Chlorobenzene	U		0.117	0.500	1	04/26/2020 22:02	WG1466101
Chlorodibromomethane	U		0.140	0.500	1	04/26/2020 22:02	WG1466101
Chloroethane	U		0.192	2.50	1	04/26/2020 22:02	WG1466101
Chloroform	U		0.111	0.500	1	04/26/2020 22:02	WG1466101
Chloromethane	U		0.960	1.25	1	04/26/2020 22:02	WG1466101
2-Chlorotoluene	U		0.106	0.500	1	04/26/2020 22:02	WG1466101
4-Chlorotoluene	U		0.114	0.500	1	04/26/2020 22:02	WG1466101
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/26/2020 22:02	WG1466101
1,2-Dibromoethane	U		0.126	0.500	1	04/26/2020 22:02	WG1466101
Dibromomethane	U		0.122	0.500	1	04/26/2020 22:02	WG1466101
1,2-Dichlorobenzene	U		0.107	0.500	1	04/26/2020 22:02	WG1466101
1,3-Dichlorobenzene	U		0.299	0.500	1	04/26/2020 22:02	WG1466101
1,4-Dichlorobenzene	U		0.120	0.500	1	04/26/2020 22:02	WG1466101
Dichlorodifluoromethane	U		0.374	2.50	1	04/26/2020 22:02	WG1466101
1,1-Dichloroethane	U		0.100	0.500	1	04/26/2020 22:02	WG1466101
1,2-Dichloroethane	U		0.0819	0.500	1	04/26/2020 22:02	WG1466101
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2020 22:02	WG1466101
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/26/2020 22:02	WG1466101
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/26/2020 22:02	WG1466101
1,2-Dichloropropane	U		0.149	0.500	1	04/26/2020 22:02	WG1466101
1,1-Dichloropropene	U		0.142	0.500	1	04/26/2020 22:02	WG1466101
1,3-Dichloropropane	U		0.109	1.00	1	04/26/2020 22:02	WG1466101
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/26/2020 22:02	WG1466101
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/26/2020 22:02	WG1466101
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/26/2020 22:02	WG1466101
2,2-Dichloropropane	U	J4	0.161	0.500	1	04/26/2020 22:02	WG1466101
Di-isopropyl ether	U	J4	0.105	0.500	1	04/26/2020 22:02	WG1466101
Ethylbenzene	U		0.137	0.500	1	04/26/2020 22:02	WG1466101
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/26/2020 22:02	WG1466101
2-Hexanone	U		0.787	5.00	1	04/26/2020 22:02	WG1466101
n-Hexane	U		0.749	5.00	1	04/26/2020 22:02	WG1466101
Iodomethane	U		6.00	10.0	1	04/26/2020 22:02	WG1466101
Isopropylbenzene	U		0.105	0.500	1	04/26/2020 22:02	WG1466101
p-Isopropyltoluene	U		0.120	0.500	1	04/26/2020 22:02	WG1466101
2-Butanone (MEK)	U		1.19	5.00	1	04/26/2020 22:02	WG1466101
Methylene Chloride	U		0.430	2.50	1	04/26/2020 22:02	WG1466101
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/26/2020 22:02	WG1466101
Methyl tert-butyl ether	U		0.101	0.500	1	04/26/2020 22:02	WG1466101
Naphthalene	U		0.174	2.50	1	04/26/2020 22:02	WG1466101
n-Propylbenzene	U		0.0993	0.500	1	04/26/2020 22:02	WG1466101
Styrene	U		0.118	0.500	1	04/26/2020 22:02	WG1466101
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/26/2020 22:02	WG1466101
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/26/2020 22:02	WG1466101

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/26/2020 22:02	WG1466101
Tetrachloroethene	U		0.300	0.500	1	04/26/2020 22:02	WG1466101
Toluene	U		0.278	0.500	1	04/26/2020 22:02	WG1466101
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2020 22:02	WG1466101
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/26/2020 22:02	WG1466101
1,1,1-Trichloroethane	U		0.149	0.500	1	04/26/2020 22:02	WG1466101
1,1,2-Trichloroethane	U		0.158	0.500	1	04/26/2020 22:02	WG1466101
Trichloroethene	U		0.190	0.500	1	04/26/2020 22:02	WG1466101
Trichlorofluoromethane	U		0.160	2.50	1	04/26/2020 22:02	WG1466101
1,2,3-Trichloropropane	U		0.237	2.50	1	04/26/2020 22:02	WG1466101
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/26/2020 22:02	WG1466101
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 22:02	WG1466101
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 22:02	WG1466101
Vinyl acetate	U		0.692	5.00	1	04/26/2020 22:02	WG1466101
Vinyl chloride	U		0.234	0.500	1	04/26/2020 22:02	WG1466101
Xylenes, Total	U		0.174	1.50	1	04/26/2020 22:02	WG1466101
(S) Toluene-d8	*103*			*80.0-120*		*04/26/2020 22:02*	WG1466101
(S) 4-Bromofluorobenzene	*91.8*			*77.0-126*		*04/26/2020 22:02*	WG1466101
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*04/26/2020 22:02*	WG1466101

Method Blank (MB)

(MB) R3521059-1 04/22/20 21:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	U		8450	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1210914-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1210914-01 04/22/20 22:02 • (DUP) R3521059-2 04/22/20 22:10

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	394000	392000	1	0.542		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

L1211048-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1211048-01 04/23/20 01:58 • (DUP) R3521059-4 04/23/20 02:08

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	281000	278000	1	0.945		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3521059-3 04/22/20 23:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	103000	103	85.0-115	

Sample Narrative:
LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3521069-1 04/22/20 16:25

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1211046-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1211046-01 04/22/20 17:32 • (DUP) R3521069-3 04/22/20 17:49

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	19800	19700	1	0.266		15
Nitrate	3140	3120	1	0.683		15
Sulfate	84200	84200	1	0.0543		15

L1210911-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1210911-02 04/22/20 22:00 • (DUP) R3521069-6 04/22/20 22:18

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	243000	243000	1	0.0675	E	15
Nitrate	483	490	1	1.44		15
Sulfate	101000	101000	1	0.0607	E	15

Laboratory Control Sample (LCS)

(LCS) R3521069-2 04/22/20 16:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39200	98.1	80.0-120	
Nitrate	8000	7980	99.7	80.0-120	
Sulfate	40000	39700	99.2	80.0-120	

L1211046-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1211046-02 04/22/20 18:07 • (MS) R3521069-4 04/22/20 18:25 • (MSD) R3521069-5 04/22/20 18:43

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	20400	69500	69400	98.1	97.9	1	80.0-120			0.0874	15
Nitrate	5000	U	4810	4950	96.2	98.9	1	80.0-120			2.74	15
Sulfate	50000	50800	97000	96700	92.4	91.7	1	80.0-120			0.355	15

L1210911-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1210911-04 04/22/20 22:54 • (MS) R3521069-7 04/22/20 23:12

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	310000	344000	69.0	1	80.0-120	E V
Nitrate	5000	587	5570	99.6	1	80.0-120	
Sulfate	50000	137000	179000	84.3	1	80.0-120	E

Method Blank (MB)

(MB) R3521609-1 04/23/20 15:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	162	J	102	1000

L1211046-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1211046-02 04/23/20 18:23 • (DUP) R3521609-3 04/23/20 18:37

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	1070	1050	1	2.55		20

L1211187-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1211187-05 04/23/20 21:30 • (DUP) R3521609-6 04/23/20 21:44

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	ND	530	1	9.61	J	20

Laboratory Control Sample (LCS)

(LCS) R3521609-2 04/23/20 16:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	71900	95.9	85.0-115	

L1211187-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1211187-02 04/23/20 20:23 • (MS) R3521609-4 04/23/20 20:39 • (MSD) R3521609-5 04/23/20 20:55

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	ND	51600	51100	102	101	1	80.0-120			1.05	20

L1211199-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1211199-01 04/24/20 00:06 • (MS) R3521609-7 04/24/20 00:22 • (MSD) R3521609-8 04/24/20 00:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	3200	53300	52700	100	99.0	1	80.0-120			1.15	20

Method Blank (MB)

(MB) R3521433-1 04/24/20 01:10

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		48.9	100
Manganese	U		1.32	5.00

Laboratory Control Sample (LCS)

(LCS) R3521433-2 04/24/20 01:13

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	5000	5440	109	80.0-120	
Manganese	50.0	52.4	105	80.0-120	

L1211046-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1211046-01 04/24/20 01:16 • (MS) R3521433-4 04/24/20 01:23 • (MSD) R3521433-5 04/24/20 01:27

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	5000	163	5490	5420	106	105	1	75.0-125			1.26	20
Manganese	50.0	310	358	354	96.1	87.4	1	75.0-125			1.22	20

Method Blank (MB)

(MB) R3522237-2 04/27/20 11:09

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

L1211046-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1211046-03 04/27/20 11:41 • (DUP) R3522237-3 04/27/20 11:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	350	365	1	4.20		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

L1211253-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1211253-04 04/27/20 13:02 • (DUP) R3522237-4 04/27/20 13:25

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

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

(LCS) R3522237-1 04/27/20 10:56 • (LCSD) R3522237-5 04/27/20 13:27

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	65.3	66.0	96.3	97.3	85.0-115			1.07	20
Ethane	129	126	128	97.7	99.2	85.0-115			1.57	20
Ethene	127	121	122	95.3	96.1	85.0-115			0.823	20

Method Blank (MB)

(MB) R3522707-3 04/26/20 21:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromochloromethane	U		0.128	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	U		0.157	0.500
sec-Butylbenzene	U		0.125	0.500
tert-Butylbenzene	U		0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
trans-1,4-Dichloro-2-butene	U		0.467	5.00
2,2-Dichloropropane	U		0.161	0.500
Di-isopropyl ether	U		0.105	0.500

Method Blank (MB)

(MB) R3522707-3 04/26/20 21:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.137	0.500
Hexachloro-1,3-butadiene	U		0.337	1.00
2-Hexanone	U		0.787	5.00
n-Hexane	U		0.749	5.00
Iodomethane	U		6.00	10.0
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	0.500
1,2,3-Trimethylbenzene	U		0.104	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl acetate	U		0.692	5.00
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	*99.8*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*

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

(LCS) R3522707-1 04/26/20 20:42 • (LCSD) R3522707-2 04/26/20 21:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	33.5	33.2	134	133	19.0-160			0.900	27
Acrylonitrile	25.0	28.9	28.6	116	114	55.0-149			1.04	20
Benzene	5.00	5.06	4.90	101	98.0	70.0-123			3.21	20
Bromobenzene	5.00	5.04	4.62	101	92.4	73.0-121			8.70	20
Bromodichloromethane	5.00	5.60	5.61	112	112	75.0-120			0.178	20
Bromochloromethane	5.00	5.55	5.38	111	108	76.0-122			3.11	20
Bromoform	5.00	5.10	4.88	102	97.6	68.0-132			4.41	20
Bromomethane	5.00	5.71	5.51	114	110	10.0-160			3.57	25
n-Butylbenzene	5.00	5.43	5.20	109	104	73.0-125			4.33	20
sec-Butylbenzene	5.00	5.22	5.07	104	101	75.0-125			2.92	20
tert-Butylbenzene	5.00	5.12	5.01	102	100	76.0-124			2.17	20
Carbon disulfide	5.00	5.10	5.14	102	103	61.0-128			0.781	20
Carbon tetrachloride	5.00	6.06	6.29	121	126	68.0-126			3.72	20
Chlorobenzene	5.00	4.99	4.99	99.8	99.8	80.0-121			0.000	20
Chlorodibromomethane	5.00	5.14	4.81	103	96.2	77.0-125			6.63	20
Chloroethane	5.00	6.06	6.00	121	120	47.0-150			0.995	20
Chloroform	5.00	5.49	5.48	110	110	73.0-120			0.182	20
Chloromethane	5.00	6.69	6.43	134	129	41.0-142			3.96	20
2-Chlorotoluene	5.00	5.00	4.94	100	98.8	76.0-123			1.21	20
4-Chlorotoluene	5.00	5.44	5.01	109	100	75.0-122			8.23	20
1,2-Dibromo-3-Chloropropane	5.00	4.28	4.27	85.6	85.4	58.0-134			0.234	20
1,2-Dibromoethane	5.00	4.81	4.76	96.2	95.2	80.0-122			1.04	20
Dibromomethane	5.00	5.81	5.52	116	110	80.0-120			5.12	20
1,2-Dichlorobenzene	5.00	5.21	5.06	104	101	79.0-121			2.92	20
1,3-Dichlorobenzene	5.00	5.42	5.36	108	107	79.0-120			1.11	20
1,4-Dichlorobenzene	5.00	5.03	4.82	101	96.4	79.0-120			4.26	20
Dichlorodifluoromethane	5.00	5.97	5.96	119	119	51.0-149			0.168	20
1,1-Dichloroethane	5.00	6.25	5.87	125	117	70.0-126			6.27	20
1,2-Dichloroethane	5.00	5.99	5.93	120	119	70.0-128			1.01	20
1,1-Dichloroethene	5.00	5.16	5.01	103	100	71.0-124			2.95	20
cis-1,2-Dichloroethene	5.00	5.14	5.07	103	101	73.0-120			1.37	20
trans-1,2-Dichloroethene	5.00	5.20	5.25	104	105	73.0-120			0.957	20
1,2-Dichloropropane	5.00	5.86	5.90	117	118	77.0-125			0.680	20
1,1-Dichloropropene	5.00	5.65	5.38	113	108	74.0-126			4.90	20
1,3-Dichloropropane	5.00	5.30	5.18	106	104	80.0-120			2.29	20
cis-1,3-Dichloropropene	5.00	5.58	5.52	112	110	80.0-123			1.08	20
trans-1,3-Dichloropropene	5.00	5.41	5.30	108	106	78.0-124			2.05	20
trans-1,4-Dichloro-2-butene	5.00	5.73	4.86	115	97.2	33.0-144			16.4	20
2,2-Dichloropropane	5.00	6.78	6.81	136	136	58.0-130	J4	J4	0.442	20
Di-isopropyl ether	5.00	7.16	6.96	143	139	58.0-138	J4	J4	2.83	20

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

(LCS) R3522707-1 04/26/20 20:42 • (LCSD) R3522707-2 04/26/20 21:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	4.63	4.40	92.6	88.0	79.0-123			5.09	20
Hexachloro-1,3-butadiene	5.00	4.77	4.94	95.4	98.8	54.0-138			3.50	20
2-Hexanone	25.0	27.0	26.7	108	107	67.0-149			1.12	20
n-Hexane	5.00	5.94	5.87	119	117	57.0-133			1.19	20
Iodomethane	25.0	24.6	24.5	98.4	98.0	33.0-147			0.407	26
Isopropylbenzene	5.00	5.15	5.07	103	101	76.0-127			1.57	20
p-Isopropyltoluene	5.00	5.31	5.18	106	104	76.0-125			2.48	20
2-Butanone (MEK)	25.0	31.0	30.7	124	123	44.0-160			0.972	20
Methylene Chloride	5.00	4.99	5.08	99.8	102	67.0-120			1.79	20
4-Methyl-2-pentanone (MIBK)	25.0	31.7	31.1	127	124	68.0-142			1.91	20
Methyl tert-butyl ether	5.00	6.22	6.11	124	122	68.0-125			1.78	20
Naphthalene	5.00	4.91	4.63	98.2	92.6	54.0-135			5.87	20
n-Propylbenzene	5.00	5.06	4.70	101	94.0	77.0-124			7.38	20
Styrene	5.00	5.06	5.01	101	100	73.0-130			0.993	20
1,1,1,2-Tetrachloroethane	5.00	5.36	5.07	107	101	75.0-125			5.56	20
1,1,2,2-Tetrachloroethane	5.00	4.83	4.65	96.6	93.0	65.0-130			3.80	20
1,1,2-Trichlorotrifluoroethane	5.00	5.46	5.72	109	114	69.0-132			4.65	20
Tetrachloroethene	5.00	5.06	5.13	101	103	72.0-132			1.37	20
Toluene	5.00	4.68	4.63	93.6	92.6	79.0-120			1.07	20
1,2,3-Trichlorobenzene	5.00	4.94	4.91	98.8	98.2	50.0-138			0.609	20
1,2,4-Trichlorobenzene	5.00	5.38	4.89	108	97.8	57.0-137			9.54	20
1,1,1-Trichloroethane	5.00	5.80	5.71	116	114	73.0-124			1.56	20
1,1,2-Trichloroethane	5.00	4.70	4.75	94.0	95.0	80.0-120			1.06	20
Trichloroethene	5.00	5.45	5.00	109	100	78.0-124			8.61	20
Trichlorofluoromethane	5.00	6.78	6.72	136	134	59.0-147			0.889	20
1,2,3-Trichloropropane	5.00	5.34	5.03	107	101	73.0-130			5.98	20
1,2,4-Trimethylbenzene	5.00	5.23	5.16	105	103	76.0-121			1.35	20
1,2,3-Trimethylbenzene	5.00	5.30	5.04	106	101	77.0-120			5.03	20
1,3,5-Trimethylbenzene	5.00	5.32	5.11	106	102	76.0-122			4.03	20
Vinyl acetate	25.0	23.8	24.9	95.2	99.6	11.0-160			4.52	20
Vinyl chloride	5.00	6.57	6.53	131	131	67.0-131			0.611	20
Xylenes, Total	15.0	15.2	14.6	101	97.3	79.0-123			4.03	20
(S) Toluene-d8				*97.2*	*97.5*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.1*	*98.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*123*	*124*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J4	The associated batch QC was outside the established quality control range for accuracy.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

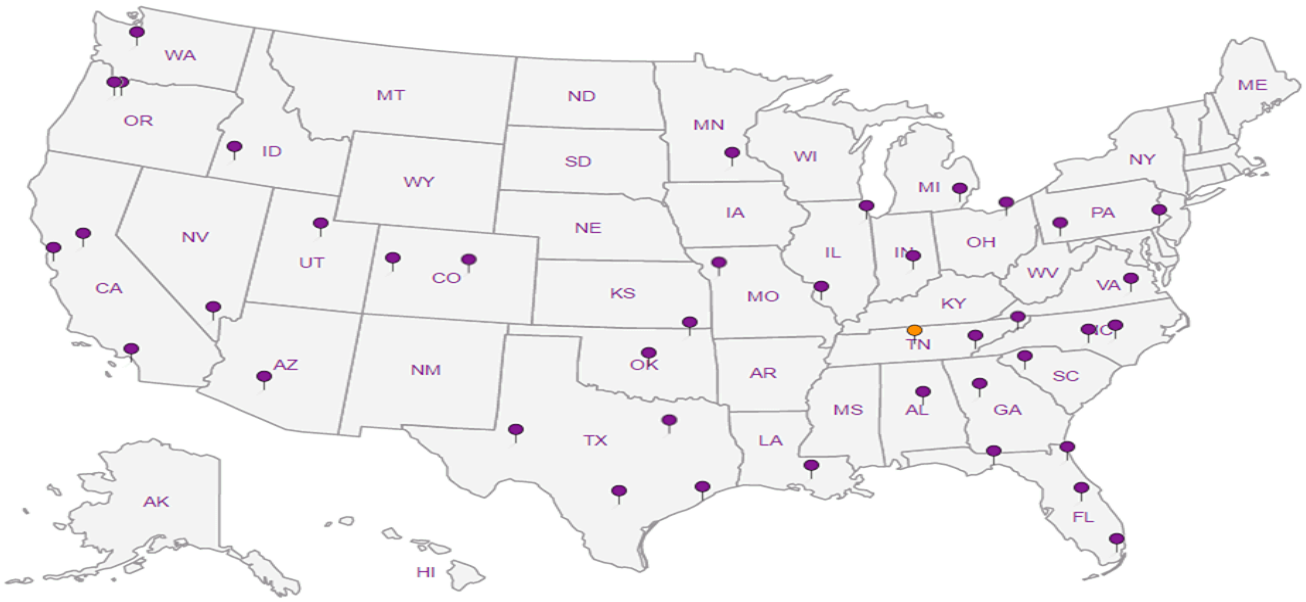
Third Party Federal Accreditations

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.



CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: H084

ALL SHADED AREAS are for LAB USE ONLY

Company: **PES Environmental, Inc.**	Billing Information: **Attn: Accounts Payable 1215 4th Ave STE 1350, Seattle, WA 98161**
Address: **1215 4th Ave STE 1350, Seattle, WA 98161**	
Report To: **Bill Haldeman/Brian O'Neal**	Email To: **bhaldeman@pesenv.com; boneal@pesenv.com**
Copy To: **Kim Vik, Shannon McKernan, Karsten Springstead**	Site Collection Info/Address: **700 Dexter Ave N**
Customer Project Name/Number: American Linen **1413.001.02.501E**	State: **WA** / County/City: **King/Seattle** Time Zone Collected: [x]PT [ ]MT [ ]CT [ ]ET
Phone: 206-529-3980 Email: **agilvezan@pesenv.com**	Site/Facility ID #: **1413.001.02.501E** Compliance Monitoring? [x] Yes [ ] No
Collected By (print): Ben Hecht	Purchase Order # : **1413.001.02.501E** Quote #: **PESENVSWA-ALP** DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: STAT Immediately Packed on Ice: [x] Yes [ ] No
Sample Disposal: [✓] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [✓] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	*NO3, SO4, Cl* 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM (RSK175LL) 40mlAmb-HCl	TOC 250mlAmb-HCl or 250mlHDPE-HCl	Total Fe, Mn 6020 250mlHDPE-HNO3	VOCs (8260)	GRO (NWTPH-Gx)	Lab Sample # / Comments
MW-325-042120	GW	Grab	4-21-20	0950				9	X	X	X	X	X	X		211046-01
MW-326-042120	GW	Grab	↓	1240				9	X	X	X	X	X	X		02
MW-316-042120	GW	Grab		1445				9	X	X	X	X	X	X		03
TB-042120	GW	Grab	✓	1630				1						X		04
	GW	Grab														
	GW	Grab														
	GW	Grab														
	GW	Grab														
	GW	Grab														
	GW	Grab														

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 167627498175

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: A3 CK

Cooler 1 Temp Upon Receipt: 1.1 oC

Cooler 1 Therm Corr. Factor: +.2 oC

Cooler 1 Corrected Temp: 1.3 oC

Comments:

Relinquished by/Company: (Signature)	Date/Time: 4-21-20 1630	Received by/Company: (Signature)	Date/Time:	MTJL LAB USE ONLY Table #:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Acctnum: Template: Prelogin:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 04/22/20 0800	PM: PB:

Trip Blank Received: Y N NA HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: ____ of: ____

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

April 29, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1211489
Samples Received:	04/23/2020
Project Number:	1413.001.02.501E
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

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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MW109-042220 L1211489-01 GW

Collected by: Sean Kounovsky | Collected date/time: 04/22/20 09:30 | Received date/time: 04/23/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1465432	1	04/24/20 11:17	04/24/20 11:17	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1464967	1	04/23/20 17:02	04/23/20 17:02	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1465869	1	04/24/20 18:52	04/24/20 18:52	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1465384	1	04/27/20 11:50	04/27/20 17:58	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1465384	10	04/27/20 11:50	04/27/20 19:47	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1466698	1	04/27/20 13:35	04/27/20 13:35	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466847	1	04/27/20 13:05	04/27/20 13:05	JCP	Mt. Juliet, TN

MW-314-042220 L1211489-02 GW

Collected by: Sean Kounovsky | Collected date/time: 04/22/20 10:20 | Received date/time: 04/23/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1465432	1	04/24/20 11:34	04/24/20 11:34	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1464967	1	04/23/20 18:32	04/23/20 18:32	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1464967	10	04/23/20 18:49	04/23/20 18:49	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1465869	1	04/24/20 20:20	04/24/20 20:20	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1465384	1	04/27/20 11:50	04/27/20 18:01	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1465384	10	04/27/20 11:50	04/27/20 20:28	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1466698	1	04/27/20 13:41	04/27/20 13:41	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466847	10	04/27/20 19:01	04/27/20 19:01	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1467682	100	04/29/20 01:46	04/29/20 01:46	JAH	Mt. Juliet, TN

MW-312-042220 L1211489-03 GW

Collected by: Sean Kounovsky | Collected date/time: 04/22/20 12:30 | Received date/time: 04/23/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1465432	1	04/24/20 11:42	04/24/20 11:42	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1464967	1	04/24/20 00:12	04/24/20 00:12	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1465869	1	04/24/20 20:34	04/24/20 20:34	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1465384	1	04/27/20 11:50	04/27/20 18:13	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1465384	5	04/27/20 11:50	04/27/20 19:59	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1466698	1	04/27/20 13:44	04/27/20 13:44	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466847	1	04/27/20 13:54	04/27/20 13:54	JCP	Mt. Juliet, TN

MW110-042220 L1211489-04 GW

Collected by: Sean Kounovsky | Collected date/time: 04/22/20 12:55 | Received date/time: 04/23/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1465432	1	04/24/20 11:52	04/24/20 11:52	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1464967	1	04/24/20 00:48	04/24/20 00:48	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1465869	1	04/24/20 20:48	04/24/20 20:48	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1465384	1	04/27/20 11:50	04/27/20 18:16	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1465384	5	04/27/20 11:50	04/27/20 20:02	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1466698	1	04/27/20 14:08	04/27/20 14:08	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466847	5	04/27/20 19:21	04/27/20 19:21	JCP	Mt. Juliet, TN

MW108-042220 L1211489-05 GW

Collected by: Sean Kounovsky
Collected date/time: 04/22/20 14:55
Received date/time: 04/23/20 08:30

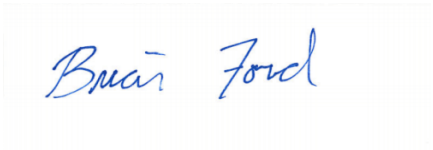
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1465432	1	04/24/20 12:01	04/24/20 12:01	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1464967	1	04/24/20 01:24	04/24/20 01:24	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1465869	1	04/24/20 21:34	04/24/20 21:34	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1465384	1	04/27/20 11:50	04/27/20 18:19	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1465384	10	04/27/20 11:50	04/27/20 20:06	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1466698	1	04/27/20 14:10	04/27/20 14:10	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1467166	10	04/28/20 11:12	04/28/20 11:12	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466847	25	04/27/20 19:42	04/27/20 19:42	JCP	Mt. Juliet, TN

TB-042220 L1211489-06 GW

Collected by: Sean Kounovsky
Collected date/time: 04/22/20 16:30
Received date/time: 04/23/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466101	1	04/26/20 22:22	04/26/20 22:22	ACG	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.



Brian Ford
Project Manager

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	616000		8450	20000	1	04/24/2020 11:17	WG1465432

Sample Narrative:
L1211489-01 WG1465432: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	5030		379	1000	1	04/23/2020 17:02	WG1464967
Nitrate	U		48.0	100	1	04/23/2020 17:02	WG1464967
Sulfate	3410	J	594	5000	1	04/23/2020 17:02	WG1464967

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10300		102	1000	1	04/24/2020 18:52	WG1465869

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12200		489	1000	10	04/27/2020 19:47	WG1465384
Manganese	3750		1.32	5.00	1	04/27/2020 17:58	WG1465384

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3800		0.287	0.678	1	04/27/2020 13:35	WG1466698
Ethane	21.2		0.296	1.29	1	04/27/2020 13:35	WG1466698
Ethene	U		0.422	1.27	1	04/27/2020 13:35	WG1466698

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	04/27/2020 13:05	WG1466847
Acrylonitrile	U		0.671	5.00	1	04/27/2020 13:05	WG1466847
Benzene	U		0.0941	0.500	1	04/27/2020 13:05	WG1466847
Bromobenzene	U		0.118	0.500	1	04/27/2020 13:05	WG1466847
Bromodichloromethane	U		0.136	0.500	1	04/27/2020 13:05	WG1466847
Bromochloromethane	U		0.128	0.500	1	04/27/2020 13:05	WG1466847
Bromoform	U		0.129	0.500	1	04/27/2020 13:05	WG1466847
Bromomethane	U		0.605	2.50	1	04/27/2020 13:05	WG1466847
n-Butylbenzene	U		0.157	0.500	1	04/27/2020 13:05	WG1466847
sec-Butylbenzene	U		0.125	0.500	1	04/27/2020 13:05	WG1466847
tert-Butylbenzene	U		0.127	0.500	1	04/27/2020 13:05	WG1466847
Carbon disulfide	U		0.0962	0.500	1	04/27/2020 13:05	WG1466847
Carbon tetrachloride	U		0.128	0.500	1	04/27/2020 13:05	WG1466847
Chlorobenzene	U		0.117	0.500	1	04/27/2020 13:05	WG1466847
Chlorodibromomethane	U		0.140	0.500	1	04/27/2020 13:05	WG1466847
Chloroethane	U		0.192	2.50	1	04/27/2020 13:05	WG1466847
Chloroform	U		0.111	0.500	1	04/27/2020 13:05	WG1466847
Chloromethane	U		0.960	1.25	1	04/27/2020 13:05	WG1466847
2-Chlorotoluene	U		0.106	0.500	1	04/27/2020 13:05	WG1466847
4-Chlorotoluene	U		0.114	0.500	1	04/27/2020 13:05	WG1466847

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/27/2020 13:05	WG1466847
1,2-Dibromoethane	U		0.126	0.500	1	04/27/2020 13:05	WG1466847
Dibromomethane	U		0.122	0.500	1	04/27/2020 13:05	WG1466847
1,2-Dichlorobenzene	U		0.107	0.500	1	04/27/2020 13:05	WG1466847
1,3-Dichlorobenzene	U		0.299	0.500	1	04/27/2020 13:05	WG1466847
1,4-Dichlorobenzene	U		0.120	0.500	1	04/27/2020 13:05	WG1466847
Dichlorodifluoromethane	U		0.374	2.50	1	04/27/2020 13:05	WG1466847
1,1-Dichloroethane	U		0.100	0.500	1	04/27/2020 13:05	WG1466847
1,2-Dichloroethane	U		0.0819	0.500	1	04/27/2020 13:05	WG1466847
1,1-Dichloroethene	U		0.188	0.500	1	04/27/2020 13:05	WG1466847
cis-1,2-Dichloroethene	46.8		0.126	0.500	1	04/27/2020 13:05	WG1466847
trans-1,2-Dichloroethene	0.229	J	0.149	0.500	1	04/27/2020 13:05	WG1466847
1,2-Dichloropropane	U		0.149	0.500	1	04/27/2020 13:05	WG1466847
1,1-Dichloropropene	U		0.142	0.500	1	04/27/2020 13:05	WG1466847
1,3-Dichloropropane	U		0.109	1.00	1	04/27/2020 13:05	WG1466847
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/27/2020 13:05	WG1466847
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/27/2020 13:05	WG1466847
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/27/2020 13:05	WG1466847
2,2-Dichloropropane	U		0.161	0.500	1	04/27/2020 13:05	WG1466847
Di-isopropyl ether	U		0.105	0.500	1	04/27/2020 13:05	WG1466847
Ethylbenzene	U		0.137	0.500	1	04/27/2020 13:05	WG1466847
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/27/2020 13:05	WG1466847
2-Hexanone	U		0.787	5.00	1	04/27/2020 13:05	WG1466847
n-Hexane	U		0.749	5.00	1	04/27/2020 13:05	WG1466847
Iodomethane	U		6.00	10.0	1	04/27/2020 13:05	WG1466847
Isopropylbenzene	U		0.105	0.500	1	04/27/2020 13:05	WG1466847
p-Isopropyltoluene	U		0.120	0.500	1	04/27/2020 13:05	WG1466847
2-Butanone (MEK)	U		1.19	5.00	1	04/27/2020 13:05	WG1466847
Methylene Chloride	U		0.430	2.50	1	04/27/2020 13:05	WG1466847
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/27/2020 13:05	WG1466847
Methyl tert-butyl ether	U		0.101	0.500	1	04/27/2020 13:05	WG1466847
Naphthalene	U		0.174	2.50	1	04/27/2020 13:05	WG1466847
n-Propylbenzene	U		0.0993	0.500	1	04/27/2020 13:05	WG1466847
Styrene	U		0.118	0.500	1	04/27/2020 13:05	WG1466847
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/27/2020 13:05	WG1466847
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/27/2020 13:05	WG1466847
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/27/2020 13:05	WG1466847
Tetrachloroethene	U		0.300	0.500	1	04/27/2020 13:05	WG1466847
Toluene	U		0.278	0.500	1	04/27/2020 13:05	WG1466847
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2020 13:05	WG1466847
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/27/2020 13:05	WG1466847
1,1,1-Trichloroethane	U		0.149	0.500	1	04/27/2020 13:05	WG1466847
1,1,2-Trichloroethane	U		0.158	0.500	1	04/27/2020 13:05	WG1466847
Trichloroethene	U		0.190	0.500	1	04/27/2020 13:05	WG1466847
Trichlorofluoromethane	U		0.160	2.50	1	04/27/2020 13:05	WG1466847
1,2,3-Trichloropropane	U		0.237	2.50	1	04/27/2020 13:05	WG1466847
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/27/2020 13:05	WG1466847
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/27/2020 13:05	WG1466847
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/27/2020 13:05	WG1466847
Vinyl acetate	U		0.692	5.00	1	04/27/2020 13:05	WG1466847
Vinyl chloride	15.2		0.234	0.500	1	04/27/2020 13:05	WG1466847
Xylenes, Total	U		0.174	1.50	1	04/27/2020 13:05	WG1466847
(S) Toluene-d8	*106*			*80.0-120*		*04/27/2020 13:05*	WG1466847
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*04/27/2020 13:05*	WG1466847
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/27/2020 13:05*	WG1466847

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	378000		8450	20000	1	04/24/2020 11:34	WG1465432

Sample Narrative:
L1211489-02 WG1465432: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	35100		379	1000	1	04/23/2020 18:32	WG1464967
Nitrate	U		48.0	100	1	04/23/2020 18:32	WG1464967
Sulfate	190000		5940	50000	10	04/23/2020 18:49	WG1464967

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	7120		102	1000	1	04/24/2020 20:20	WG1465869

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	12100		489	1000	10	04/27/2020 20:28	WG1465384
Manganese	1020		1.32	5.00	1	04/27/2020 18:01	WG1465384

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	2750		0.287	0.678	1	04/27/2020 13:41	WG1466698
Ethane	35.2		0.296	1.29	1	04/27/2020 13:41	WG1466698
Ethene	154		0.422	1.27	1	04/27/2020 13:41	WG1466698

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		113	250	10	04/27/2020 19:01	WG1466847
Acrylonitrile	U		6.71	50.0	10	04/27/2020 19:01	WG1466847
Benzene	U		0.941	5.00	10	04/27/2020 19:01	WG1466847
Bromobenzene	U		1.18	5.00	10	04/27/2020 19:01	WG1466847
Bromodichloromethane	U		1.36	5.00	10	04/27/2020 19:01	WG1466847
Bromochloromethane	U		1.28	5.00	10	04/27/2020 19:01	WG1466847
Bromoform	U		1.29	5.00	10	04/27/2020 19:01	WG1466847
Bromomethane	U		6.05	25.0	10	04/27/2020 19:01	WG1466847
n-Butylbenzene	U		1.57	5.00	10	04/27/2020 19:01	WG1466847
sec-Butylbenzene	U		1.25	5.00	10	04/27/2020 19:01	WG1466847
tert-Butylbenzene	U		1.27	5.00	10	04/27/2020 19:01	WG1466847
Carbon disulfide	U		0.962	5.00	10	04/27/2020 19:01	WG1466847
Carbon tetrachloride	U		1.28	5.00	10	04/27/2020 19:01	WG1466847
Chlorobenzene	U		1.17	5.00	10	04/27/2020 19:01	WG1466847
Chlorodibromomethane	U		1.40	5.00	10	04/27/2020 19:01	WG1466847
Chloroethane	U		1.92	25.0	10	04/27/2020 19:01	WG1466847
Chloroform	U		1.11	5.00	10	04/27/2020 19:01	WG1466847
Chloromethane	U		9.60	12.5	10	04/27/2020 19:01	WG1466847
2-Chlorotoluene	U		1.06	5.00	10	04/27/2020 19:01	WG1466847
4-Chlorotoluene	U		1.14	5.00	10	04/27/2020 19:01	WG1466847

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		2.76	25.0	10	04/27/2020 19:01	WG1466847
1,2-Dibromoethane	U		1.26	5.00	10	04/27/2020 19:01	WG1466847
Dibromomethane	U		1.22	5.00	10	04/27/2020 19:01	WG1466847
1,2-Dichlorobenzene	U		1.07	5.00	10	04/27/2020 19:01	WG1466847
1,3-Dichlorobenzene	U		2.99	5.00	10	04/27/2020 19:01	WG1466847
1,4-Dichlorobenzene	U		1.20	5.00	10	04/27/2020 19:01	WG1466847
Dichlorodifluoromethane	U		3.74	25.0	10	04/27/2020 19:01	WG1466847
1,1-Dichloroethane	U		1.00	5.00	10	04/27/2020 19:01	WG1466847
1,2-Dichloroethane	U		0.819	5.00	10	04/27/2020 19:01	WG1466847
1,1-Dichloroethene	4.90	J	1.88	5.00	10	04/27/2020 19:01	WG1466847
cis-1,2-Dichloroethene	3190		12.6	50.0	100	04/29/2020 01:46	WG1467682
trans-1,2-Dichloroethene	14.8		1.49	5.00	10	04/27/2020 19:01	WG1466847
1,2-Dichloropropane	U		1.49	5.00	10	04/27/2020 19:01	WG1466847
1,1-Dichloropropene	U		1.42	5.00	10	04/27/2020 19:01	WG1466847
1,3-Dichloropropane	U		1.09	10.0	10	04/27/2020 19:01	WG1466847
cis-1,3-Dichloropropene	U		1.11	5.00	10	04/27/2020 19:01	WG1466847
trans-1,3-Dichloropropene	U		1.18	5.00	10	04/27/2020 19:01	WG1466847
trans-1,4-Dichloro-2-butene	U		4.67	50.0	10	04/27/2020 19:01	WG1466847
2,2-Dichloropropane	U		1.61	5.00	10	04/27/2020 19:01	WG1466847
Di-isopropyl ether	U		1.05	5.00	10	04/27/2020 19:01	WG1466847
Ethylbenzene	U		1.37	5.00	10	04/27/2020 19:01	WG1466847
Hexachloro-1,3-butadiene	U		3.37	10.0	10	04/27/2020 19:01	WG1466847
2-Hexanone	U		7.87	50.0	10	04/27/2020 19:01	WG1466847
n-Hexane	U		7.49	50.0	10	04/27/2020 19:01	WG1466847
Iodomethane	U		60.0	100	10	04/27/2020 19:01	WG1466847
Isopropylbenzene	U		1.05	5.00	10	04/27/2020 19:01	WG1466847
p-Isopropyltoluene	U		1.20	5.00	10	04/27/2020 19:01	WG1466847
2-Butanone (MEK)	U		11.9	50.0	10	04/27/2020 19:01	WG1466847
Methylene Chloride	U		4.30	25.0	10	04/27/2020 19:01	WG1466847
4-Methyl-2-pentanone (MIBK)	U		4.78	50.0	10	04/27/2020 19:01	WG1466847
Methyl tert-butyl ether	U		1.01	5.00	10	04/27/2020 19:01	WG1466847
Naphthalene	3.69	J	1.74	25.0	10	04/27/2020 19:01	WG1466847
n-Propylbenzene	U		0.993	5.00	10	04/27/2020 19:01	WG1466847
Styrene	U		1.18	5.00	10	04/27/2020 19:01	WG1466847
1,1,1,2-Tetrachloroethane	U		1.47	5.00	10	04/27/2020 19:01	WG1466847
1,1,2,2-Tetrachloroethane	U		1.33	5.00	10	04/27/2020 19:01	WG1466847
1,1,2-Trichlorotrifluoroethane	U		1.80	5.00	10	04/27/2020 19:01	WG1466847
Tetrachloroethene	U		3.00	5.00	10	04/27/2020 19:01	WG1466847
Toluene	U		2.78	5.00	10	04/27/2020 19:01	WG1466847
1,2,3-Trichlorobenzene	U		1.64	5.00	10	04/27/2020 19:01	WG1466847
1,2,4-Trichlorobenzene	U		4.81	10.0	10	04/27/2020 19:01	WG1466847
1,1,1-Trichloroethane	U		1.49	5.00	10	04/27/2020 19:01	WG1466847
1,1,2-Trichloroethane	U		1.58	5.00	10	04/27/2020 19:01	WG1466847
Trichloroethene	229		1.90	5.00	10	04/27/2020 19:01	WG1466847
Trichlorofluoromethane	U		1.60	25.0	10	04/27/2020 19:01	WG1466847
1,2,3-Trichloropropane	U		2.37	25.0	10	04/27/2020 19:01	WG1466847
1,2,4-Trimethylbenzene	U		3.22	5.00	10	04/27/2020 19:01	WG1466847
1,2,3-Trimethylbenzene	U		1.04	5.00	10	04/27/2020 19:01	WG1466847
1,3,5-Trimethylbenzene	U		1.04	5.00	10	04/27/2020 19:01	WG1466847
Vinyl acetate	U		6.92	50.0	10	04/27/2020 19:01	WG1466847
Vinyl chloride	410		2.34	5.00	10	04/27/2020 19:01	WG1466847
Xylenes, Total	U		1.74	15.0	10	04/27/2020 19:01	WG1466847
(S) Toluene-d8	*107*			*80.0-120*		*04/27/2020 19:01*	WG1466847
(S) Toluene-d8	*105*			*80.0-120*		*04/29/2020 01:46*	WG1467682
(S) 4-Bromofluorobenzene	*99.2*			*77.0-126*		*04/27/2020 19:01*	WG1466847
(S) 4-Bromofluorobenzene	*92.7*			*77.0-126*		*04/29/2020 01:46*	WG1467682

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/27/2020 19:01*	WG1466847
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/29/2020 01:46*	WG1467682

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	1010000		8450	20000	1	04/24/2020 11:42	WG1465432

Sample Narrative:
L1211489-03 WG1465432: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	7270		379	1000	1	04/24/2020 00:12	WG1464967
Nitrate	U		48.0	100	1	04/24/2020 00:12	WG1464967
Sulfate	4230	J	594	5000	1	04/24/2020 00:12	WG1464967

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10900		102	1000	1	04/24/2020 20:34	WG1465869

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7430		244	500	5	04/27/2020 19:59	WG1465384
Manganese	1460		1.32	5.00	1	04/27/2020 18:13	WG1465384

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	618		0.287	0.678	1	04/27/2020 13:44	WG1466698
Ethane	U		0.296	1.29	1	04/27/2020 13:44	WG1466698
Ethene	U		0.422	1.27	1	04/27/2020 13:44	WG1466698

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	04/27/2020 13:54	WG1466847
Acrylonitrile	U		0.671	5.00	1	04/27/2020 13:54	WG1466847
Benzene	U		0.0941	0.500	1	04/27/2020 13:54	WG1466847
Bromobenzene	U		0.118	0.500	1	04/27/2020 13:54	WG1466847
Bromodichloromethane	U		0.136	0.500	1	04/27/2020 13:54	WG1466847
Bromochloromethane	U		0.128	0.500	1	04/27/2020 13:54	WG1466847
Bromoform	U		0.129	0.500	1	04/27/2020 13:54	WG1466847
Bromomethane	U		0.605	2.50	1	04/27/2020 13:54	WG1466847
n-Butylbenzene	U		0.157	0.500	1	04/27/2020 13:54	WG1466847
sec-Butylbenzene	U		0.125	0.500	1	04/27/2020 13:54	WG1466847
tert-Butylbenzene	U		0.127	0.500	1	04/27/2020 13:54	WG1466847
Carbon disulfide	U		0.0962	0.500	1	04/27/2020 13:54	WG1466847
Carbon tetrachloride	U		0.128	0.500	1	04/27/2020 13:54	WG1466847
Chlorobenzene	U		0.117	0.500	1	04/27/2020 13:54	WG1466847
Chlorodibromomethane	U		0.140	0.500	1	04/27/2020 13:54	WG1466847
Chloroethane	U		0.192	2.50	1	04/27/2020 13:54	WG1466847
Chloroform	U		0.111	0.500	1	04/27/2020 13:54	WG1466847
Chloromethane	U		0.960	1.25	1	04/27/2020 13:54	WG1466847
2-Chlorotoluene	U		0.106	0.500	1	04/27/2020 13:54	WG1466847
4-Chlorotoluene	U		0.114	0.500	1	04/27/2020 13:54	WG1466847

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/27/2020 13:54	WG1466847
1,2-Dibromoethane	U		0.126	0.500	1	04/27/2020 13:54	WG1466847
Dibromomethane	U		0.122	0.500	1	04/27/2020 13:54	WG1466847
1,2-Dichlorobenzene	U		0.107	0.500	1	04/27/2020 13:54	WG1466847
1,3-Dichlorobenzene	U		0.299	0.500	1	04/27/2020 13:54	WG1466847
1,4-Dichlorobenzene	U		0.120	0.500	1	04/27/2020 13:54	WG1466847
Dichlorodifluoromethane	U		0.374	2.50	1	04/27/2020 13:54	WG1466847
1,1-Dichloroethane	U		0.100	0.500	1	04/27/2020 13:54	WG1466847
1,2-Dichloroethane	U		0.0819	0.500	1	04/27/2020 13:54	WG1466847
1,1-Dichloroethene	U		0.188	0.500	1	04/27/2020 13:54	WG1466847
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/27/2020 13:54	WG1466847
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/27/2020 13:54	WG1466847
1,2-Dichloropropane	U		0.149	0.500	1	04/27/2020 13:54	WG1466847
1,1-Dichloropropene	U		0.142	0.500	1	04/27/2020 13:54	WG1466847
1,3-Dichloropropane	U		0.109	1.00	1	04/27/2020 13:54	WG1466847
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/27/2020 13:54	WG1466847
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/27/2020 13:54	WG1466847
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/27/2020 13:54	WG1466847
2,2-Dichloropropane	U		0.161	0.500	1	04/27/2020 13:54	WG1466847
Di-isopropyl ether	U		0.105	0.500	1	04/27/2020 13:54	WG1466847
Ethylbenzene	U		0.137	0.500	1	04/27/2020 13:54	WG1466847
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/27/2020 13:54	WG1466847
2-Hexanone	U		0.787	5.00	1	04/27/2020 13:54	WG1466847
n-Hexane	U		0.749	5.00	1	04/27/2020 13:54	WG1466847
Iodomethane	U		6.00	10.0	1	04/27/2020 13:54	WG1466847
Isopropylbenzene	U		0.105	0.500	1	04/27/2020 13:54	WG1466847
p-Isopropyltoluene	U		0.120	0.500	1	04/27/2020 13:54	WG1466847
2-Butanone (MEK)	U		1.19	5.00	1	04/27/2020 13:54	WG1466847
Methylene Chloride	U		0.430	2.50	1	04/27/2020 13:54	WG1466847
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/27/2020 13:54	WG1466847
Methyl tert-butyl ether	U		0.101	0.500	1	04/27/2020 13:54	WG1466847
Naphthalene	U		0.174	2.50	1	04/27/2020 13:54	WG1466847
n-Propylbenzene	U		0.0993	0.500	1	04/27/2020 13:54	WG1466847
Styrene	U		0.118	0.500	1	04/27/2020 13:54	WG1466847
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/27/2020 13:54	WG1466847
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/27/2020 13:54	WG1466847
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/27/2020 13:54	WG1466847
Tetrachloroethene	U		0.300	0.500	1	04/27/2020 13:54	WG1466847
Toluene	U		0.278	0.500	1	04/27/2020 13:54	WG1466847
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2020 13:54	WG1466847
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/27/2020 13:54	WG1466847
1,1,1-Trichloroethane	U		0.149	0.500	1	04/27/2020 13:54	WG1466847
1,1,2-Trichloroethane	U		0.158	0.500	1	04/27/2020 13:54	WG1466847
Trichloroethene	U		0.190	0.500	1	04/27/2020 13:54	WG1466847
Trichlorofluoromethane	U		0.160	2.50	1	04/27/2020 13:54	WG1466847
1,2,3-Trichloropropane	U		0.237	2.50	1	04/27/2020 13:54	WG1466847
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/27/2020 13:54	WG1466847
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/27/2020 13:54	WG1466847
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/27/2020 13:54	WG1466847
Vinyl acetate	U		0.692	5.00	1	04/27/2020 13:54	WG1466847
Vinyl chloride	U		0.234	0.500	1	04/27/2020 13:54	WG1466847
Xylenes, Total	U		0.174	1.50	1	04/27/2020 13:54	WG1466847
(S) Toluene-d8	*107*			*80.0-120*		*04/27/2020 13:54*	WG1466847
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/27/2020 13:54*	WG1466847
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*04/27/2020 13:54*	WG1466847

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	472000		8450	20000	1	04/24/2020 11:52	WG1465432

Sample Narrative:
L1211489-04 WG1465432: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	19800		379	1000	1	04/24/2020 00:48	WG1464967
Nitrate	U		48.0	100	1	04/24/2020 00:48	WG1464967
Sulfate	88900		594	5000	1	04/24/2020 00:48	WG1464967

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5810		102	1000	1	04/24/2020 20:48	WG1465869

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2550		244	500	5	04/27/2020 20:02	WG1465384
Manganese	3290		1.32	5.00	1	04/27/2020 18:16	WG1465384

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2660		0.287	0.678	1	04/27/2020 14:08	WG1466698
Ethane	U		0.296	1.29	1	04/27/2020 14:08	WG1466698
Ethene	U		0.422	1.27	1	04/27/2020 14:08	WG1466698

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		56.5	125	5	04/27/2020 19:21	WG1466847
Acrylonitrile	U		3.36	25.0	5	04/27/2020 19:21	WG1466847
Benzene	0.487	J	0.471	2.50	5	04/27/2020 19:21	WG1466847
Bromobenzene	U		0.590	2.50	5	04/27/2020 19:21	WG1466847
Bromodichloromethane	U		0.680	2.50	5	04/27/2020 19:21	WG1466847
Bromochloromethane	U		0.640	2.50	5	04/27/2020 19:21	WG1466847
Bromoform	U		0.645	2.50	5	04/27/2020 19:21	WG1466847
Bromomethane	U		3.03	12.5	5	04/27/2020 19:21	WG1466847
n-Butylbenzene	U		0.785	2.50	5	04/27/2020 19:21	WG1466847
sec-Butylbenzene	U		0.625	2.50	5	04/27/2020 19:21	WG1466847
tert-Butylbenzene	U		0.635	2.50	5	04/27/2020 19:21	WG1466847
Carbon disulfide	U		0.481	2.50	5	04/27/2020 19:21	WG1466847
Carbon tetrachloride	U		0.640	2.50	5	04/27/2020 19:21	WG1466847
Chlorobenzene	U		0.585	2.50	5	04/27/2020 19:21	WG1466847
Chlorodibromomethane	U		0.700	2.50	5	04/27/2020 19:21	WG1466847
Chloroethane	U		0.960	12.5	5	04/27/2020 19:21	WG1466847
Chloroform	U		0.555	2.50	5	04/27/2020 19:21	WG1466847
Chloromethane	U		4.80	6.25	5	04/27/2020 19:21	WG1466847
2-Chlorotoluene	U		0.530	2.50	5	04/27/2020 19:21	WG1466847
4-Chlorotoluene	U		0.570	2.50	5	04/27/2020 19:21	WG1466847

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		1.38	12.5	5	04/27/2020 19:21	WG1466847
1,2-Dibromoethane	U		0.630	2.50	5	04/27/2020 19:21	WG1466847
Dibromomethane	U		0.610	2.50	5	04/27/2020 19:21	WG1466847
1,2-Dichlorobenzene	U		0.535	2.50	5	04/27/2020 19:21	WG1466847
1,3-Dichlorobenzene	U		1.49	2.50	5	04/27/2020 19:21	WG1466847
1,4-Dichlorobenzene	U		0.600	2.50	5	04/27/2020 19:21	WG1466847
Dichlorodifluoromethane	U		1.87	12.5	5	04/27/2020 19:21	WG1466847
1,1-Dichloroethane	U		0.500	2.50	5	04/27/2020 19:21	WG1466847
1,2-Dichloroethane	U		0.409	2.50	5	04/27/2020 19:21	WG1466847
1,1-Dichloroethene	5.46		0.940	2.50	5	04/27/2020 19:21	WG1466847
cis-1,2-Dichloroethene	683		0.630	2.50	5	04/27/2020 19:21	WG1466847
trans-1,2-Dichloroethene	4.25		0.745	2.50	5	04/27/2020 19:21	WG1466847
1,2-Dichloropropane	U		0.745	2.50	5	04/27/2020 19:21	WG1466847
1,1-Dichloropropene	U		0.710	2.50	5	04/27/2020 19:21	WG1466847
1,3-Dichloropropane	U		0.545	5.00	5	04/27/2020 19:21	WG1466847
cis-1,3-Dichloropropene	U		0.555	2.50	5	04/27/2020 19:21	WG1466847
trans-1,3-Dichloropropene	U		0.590	2.50	5	04/27/2020 19:21	WG1466847
trans-1,4-Dichloro-2-butene	U		2.34	25.0	5	04/27/2020 19:21	WG1466847
2,2-Dichloropropane	U		0.805	2.50	5	04/27/2020 19:21	WG1466847
Di-isopropyl ether	U		0.525	2.50	5	04/27/2020 19:21	WG1466847
Ethylbenzene	U		0.685	2.50	5	04/27/2020 19:21	WG1466847
Hexachloro-1,3-butadiene	U		1.69	5.00	5	04/27/2020 19:21	WG1466847
2-Hexanone	U		3.94	25.0	5	04/27/2020 19:21	WG1466847
n-Hexane	U		3.74	25.0	5	04/27/2020 19:21	WG1466847
Iodomethane	U		30.0	50.0	5	04/27/2020 19:21	WG1466847
Isopropylbenzene	U		0.525	2.50	5	04/27/2020 19:21	WG1466847
p-Isopropyltoluene	U		0.600	2.50	5	04/27/2020 19:21	WG1466847
2-Butanone (MEK)	U		5.95	25.0	5	04/27/2020 19:21	WG1466847
Methylene Chloride	U		2.15	12.5	5	04/27/2020 19:21	WG1466847
4-Methyl-2-pentanone (MIBK)	U		2.39	25.0	5	04/27/2020 19:21	WG1466847
Methyl tert-butyl ether	U		0.505	2.50	5	04/27/2020 19:21	WG1466847
Naphthalene	U		0.870	12.5	5	04/27/2020 19:21	WG1466847
n-Propylbenzene	U		0.497	2.50	5	04/27/2020 19:21	WG1466847
Styrene	U		0.590	2.50	5	04/27/2020 19:21	WG1466847
1,1,1,2-Tetrachloroethane	U		0.735	2.50	5	04/27/2020 19:21	WG1466847
1,1,2,2-Tetrachloroethane	U		0.665	2.50	5	04/27/2020 19:21	WG1466847
1,1,2-Trichlorotrifluoroethane	U		0.900	2.50	5	04/27/2020 19:21	WG1466847
Tetrachloroethene	946		1.50	2.50	5	04/27/2020 19:21	WG1466847
Toluene	U		1.39	2.50	5	04/27/2020 19:21	WG1466847
1,2,3-Trichlorobenzene	U		0.820	2.50	5	04/27/2020 19:21	WG1466847
1,2,4-Trichlorobenzene	U		2.41	5.00	5	04/27/2020 19:21	WG1466847
1,1,1-Trichloroethane	U		0.745	2.50	5	04/27/2020 19:21	WG1466847
1,1,2-Trichloroethane	U		0.790	2.50	5	04/27/2020 19:21	WG1466847
Trichloroethene	384		0.950	2.50	5	04/27/2020 19:21	WG1466847
Trichlorofluoromethane	U		0.800	12.5	5	04/27/2020 19:21	WG1466847
1,2,3-Trichloropropane	U		1.19	12.5	5	04/27/2020 19:21	WG1466847
1,2,4-Trimethylbenzene	U		1.61	2.50	5	04/27/2020 19:21	WG1466847
1,2,3-Trimethylbenzene	U		0.520	2.50	5	04/27/2020 19:21	WG1466847
1,3,5-Trimethylbenzene	U		0.520	2.50	5	04/27/2020 19:21	WG1466847
Vinyl acetate	U		3.46	25.0	5	04/27/2020 19:21	WG1466847
Vinyl chloride	5.06		1.17	2.50	5	04/27/2020 19:21	WG1466847
Xylenes, Total	U		0.870	7.50	5	04/27/2020 19:21	WG1466847
(S) Toluene-d8	*109*			*80.0-120*		*04/27/2020 19:21*	WG1466847
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*04/27/2020 19:21*	WG1466847
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/27/2020 19:21*	WG1466847

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	744000		8450	20000	1	04/24/2020 12:01	WG1465432

Sample Narrative:
L1211489-05 WG1465432: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	16000		379	1000	1	04/24/2020 01:24	WG1464967
Nitrate	U		48.0	100	1	04/24/2020 01:24	WG1464967
Sulfate	2060	J	594	5000	1	04/24/2020 01:24	WG1464967

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10800		102	1000	1	04/24/2020 21:34	WG1465869

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	16700		489	1000	10	04/27/2020 20:06	WG1465384
Manganese	1940		1.32	5.00	1	04/27/2020 18:19	WG1465384

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	10500		2.87	6.78	10	04/28/2020 11:12	WG1467166
Ethane	27.3		0.296	1.29	1	04/27/2020 14:10	WG1466698
Ethene	U		0.422	1.27	1	04/27/2020 14:10	WG1466698

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		282	625	25	04/27/2020 19:42	WG1466847
Acrylonitrile	U		16.8	125	25	04/27/2020 19:42	WG1466847
Benzene	25.6		2.35	12.5	25	04/27/2020 19:42	WG1466847
Bromobenzene	U		2.95	12.5	25	04/27/2020 19:42	WG1466847
Bromodichloromethane	U		3.40	12.5	25	04/27/2020 19:42	WG1466847
Bromochloromethane	U		3.20	12.5	25	04/27/2020 19:42	WG1466847
Bromoform	U		3.22	12.5	25	04/27/2020 19:42	WG1466847
Bromomethane	U		15.1	62.5	25	04/27/2020 19:42	WG1466847
n-Butylbenzene	U		3.93	12.5	25	04/27/2020 19:42	WG1466847
sec-Butylbenzene	U		3.13	12.5	25	04/27/2020 19:42	WG1466847
tert-Butylbenzene	U		3.18	12.5	25	04/27/2020 19:42	WG1466847
Carbon disulfide	U		2.41	12.5	25	04/27/2020 19:42	WG1466847
Carbon tetrachloride	U		3.20	12.5	25	04/27/2020 19:42	WG1466847
Chlorobenzene	U		2.93	12.5	25	04/27/2020 19:42	WG1466847
Chlorodibromomethane	U		3.50	12.5	25	04/27/2020 19:42	WG1466847
Chloroethane	U		4.80	62.5	25	04/27/2020 19:42	WG1466847
Chloroform	U		2.78	12.5	25	04/27/2020 19:42	WG1466847
Chloromethane	U		24.0	31.3	25	04/27/2020 19:42	WG1466847
2-Chlorotoluene	U		2.65	12.5	25	04/27/2020 19:42	WG1466847
4-Chlorotoluene	U		2.85	12.5	25	04/27/2020 19:42	WG1466847

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		6.90	62.5	25	04/27/2020 19:42	WG1466847
1,2-Dibromoethane	U		3.15	12.5	25	04/27/2020 19:42	WG1466847
Dibromomethane	U		3.05	12.5	25	04/27/2020 19:42	WG1466847
1,2-Dichlorobenzene	U		2.68	12.5	25	04/27/2020 19:42	WG1466847
1,3-Dichlorobenzene	U		7.48	12.5	25	04/27/2020 19:42	WG1466847
1,4-Dichlorobenzene	U		3.00	12.5	25	04/27/2020 19:42	WG1466847
Dichlorodifluoromethane	U		9.35	62.5	25	04/27/2020 19:42	WG1466847
1,1-Dichloroethane	U		2.50	12.5	25	04/27/2020 19:42	WG1466847
1,2-Dichloroethane	U		2.05	12.5	25	04/27/2020 19:42	WG1466847
1,1-Dichloroethene	U		4.70	12.5	25	04/27/2020 19:42	WG1466847
cis-1,2-Dichloroethene	178		3.15	12.5	25	04/27/2020 19:42	WG1466847
trans-1,2-Dichloroethene	U		3.73	12.5	25	04/27/2020 19:42	WG1466847
1,2-Dichloropropane	U		3.73	12.5	25	04/27/2020 19:42	WG1466847
1,1-Dichloropropene	U		3.55	12.5	25	04/27/2020 19:42	WG1466847
1,3-Dichloropropane	U		2.73	25.0	25	04/27/2020 19:42	WG1466847
cis-1,3-Dichloropropene	U		2.78	12.5	25	04/27/2020 19:42	WG1466847
trans-1,3-Dichloropropene	U		2.95	12.5	25	04/27/2020 19:42	WG1466847
trans-1,4-Dichloro-2-butene	U		11.7	125	25	04/27/2020 19:42	WG1466847
2,2-Dichloropropane	U		4.03	12.5	25	04/27/2020 19:42	WG1466847
Di-isopropyl ether	U		2.63	12.5	25	04/27/2020 19:42	WG1466847
Ethylbenzene	U		3.43	12.5	25	04/27/2020 19:42	WG1466847
Hexachloro-1,3-butadiene	U		8.43	25.0	25	04/27/2020 19:42	WG1466847
2-Hexanone	U		19.7	125	25	04/27/2020 19:42	WG1466847
n-Hexane	U		18.7	125	25	04/27/2020 19:42	WG1466847
Iodomethane	U		150	250	25	04/27/2020 19:42	WG1466847
Isopropylbenzene	U		2.63	12.5	25	04/27/2020 19:42	WG1466847
p-Isopropyltoluene	U		3.00	12.5	25	04/27/2020 19:42	WG1466847
2-Butanone (MEK)	U		29.8	125	25	04/27/2020 19:42	WG1466847
Methylene Chloride	U		10.7	62.5	25	04/27/2020 19:42	WG1466847
4-Methyl-2-pentanone (MIBK)	U		12.0	125	25	04/27/2020 19:42	WG1466847
Methyl tert-butyl ether	U		2.53	12.5	25	04/27/2020 19:42	WG1466847
Naphthalene	U		4.35	62.5	25	04/27/2020 19:42	WG1466847
n-Propylbenzene	U		2.48	12.5	25	04/27/2020 19:42	WG1466847
Styrene	U		2.95	12.5	25	04/27/2020 19:42	WG1466847
1,1,1,2-Tetrachloroethane	U		3.68	12.5	25	04/27/2020 19:42	WG1466847
1,1,2,2-Tetrachloroethane	U		3.33	12.5	25	04/27/2020 19:42	WG1466847
1,1,2-Trichlorotrifluoroethane	U		4.50	12.5	25	04/27/2020 19:42	WG1466847
Tetrachloroethene	53.1		7.50	12.5	25	04/27/2020 19:42	WG1466847
Toluene	U		6.95	12.5	25	04/27/2020 19:42	WG1466847
1,2,3-Trichlorobenzene	U		4.10	12.5	25	04/27/2020 19:42	WG1466847
1,2,4-Trichlorobenzene	U		12.0	25.0	25	04/27/2020 19:42	WG1466847
1,1,1-Trichloroethane	U		3.73	12.5	25	04/27/2020 19:42	WG1466847
1,1,2-Trichloroethane	U		3.95	12.5	25	04/27/2020 19:42	WG1466847
Trichloroethene	96.3		4.75	12.5	25	04/27/2020 19:42	WG1466847
Trichlorofluoromethane	U		4.00	62.5	25	04/27/2020 19:42	WG1466847
1,2,3-Trichloropropane	U		5.93	62.5	25	04/27/2020 19:42	WG1466847
1,2,4-Trimethylbenzene	U		8.05	12.5	25	04/27/2020 19:42	WG1466847
1,2,3-Trimethylbenzene	U		2.60	12.5	25	04/27/2020 19:42	WG1466847
1,3,5-Trimethylbenzene	U		2.60	12.5	25	04/27/2020 19:42	WG1466847
Vinyl acetate	U		17.3	125	25	04/27/2020 19:42	WG1466847
Vinyl chloride	19.3		5.85	12.5	25	04/27/2020 19:42	WG1466847
Xylenes, Total	U		4.35	37.5	25	04/27/2020 19:42	WG1466847
(S) Toluene-d8	*110*			*80.0-120*		*04/27/2020 19:42*	WG1466847
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*04/27/2020 19:42*	WG1466847
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*04/27/2020 19:42*	WG1466847

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	04/26/2020 22:22	WG1466101
Acrylonitrile	U		0.671	5.00	1	04/26/2020 22:22	WG1466101
Benzene	U		0.0941	0.500	1	04/26/2020 22:22	WG1466101
Bromobenzene	U		0.118	0.500	1	04/26/2020 22:22	WG1466101
Bromodichloromethane	U		0.136	0.500	1	04/26/2020 22:22	WG1466101
Bromochloromethane	U		0.128	0.500	1	04/26/2020 22:22	WG1466101
Bromoform	U		0.129	0.500	1	04/26/2020 22:22	WG1466101
Bromomethane	U		0.605	2.50	1	04/26/2020 22:22	WG1466101
n-Butylbenzene	U		0.157	0.500	1	04/26/2020 22:22	WG1466101
sec-Butylbenzene	U		0.125	0.500	1	04/26/2020 22:22	WG1466101
tert-Butylbenzene	U		0.127	0.500	1	04/26/2020 22:22	WG1466101
Carbon disulfide	U		0.0962	0.500	1	04/26/2020 22:22	WG1466101
Carbon tetrachloride	U		0.128	0.500	1	04/26/2020 22:22	WG1466101
Chlorobenzene	U		0.117	0.500	1	04/26/2020 22:22	WG1466101
Chlorodibromomethane	U		0.140	0.500	1	04/26/2020 22:22	WG1466101
Chloroethane	U		0.192	2.50	1	04/26/2020 22:22	WG1466101
Chloroform	U		0.111	0.500	1	04/26/2020 22:22	WG1466101
Chloromethane	U		0.960	1.25	1	04/26/2020 22:22	WG1466101
2-Chlorotoluene	U		0.106	0.500	1	04/26/2020 22:22	WG1466101
4-Chlorotoluene	U		0.114	0.500	1	04/26/2020 22:22	WG1466101
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/26/2020 22:22	WG1466101
1,2-Dibromoethane	U		0.126	0.500	1	04/26/2020 22:22	WG1466101
Dibromomethane	U		0.122	0.500	1	04/26/2020 22:22	WG1466101
1,2-Dichlorobenzene	U		0.107	0.500	1	04/26/2020 22:22	WG1466101
1,3-Dichlorobenzene	U		0.299	0.500	1	04/26/2020 22:22	WG1466101
1,4-Dichlorobenzene	U		0.120	0.500	1	04/26/2020 22:22	WG1466101
Dichlorodifluoromethane	U		0.374	2.50	1	04/26/2020 22:22	WG1466101
1,1-Dichloroethane	U		0.100	0.500	1	04/26/2020 22:22	WG1466101
1,2-Dichloroethane	U		0.0819	0.500	1	04/26/2020 22:22	WG1466101
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2020 22:22	WG1466101
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/26/2020 22:22	WG1466101
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/26/2020 22:22	WG1466101
1,2-Dichloropropane	U		0.149	0.500	1	04/26/2020 22:22	WG1466101
1,1-Dichloropropene	U		0.142	0.500	1	04/26/2020 22:22	WG1466101
1,3-Dichloropropane	U		0.109	1.00	1	04/26/2020 22:22	WG1466101
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/26/2020 22:22	WG1466101
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/26/2020 22:22	WG1466101
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/26/2020 22:22	WG1466101
2,2-Dichloropropane	U	J4	0.161	0.500	1	04/26/2020 22:22	WG1466101
Di-isopropyl ether	U	J4	0.105	0.500	1	04/26/2020 22:22	WG1466101
Ethylbenzene	U		0.137	0.500	1	04/26/2020 22:22	WG1466101
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/26/2020 22:22	WG1466101
2-Hexanone	U		0.787	5.00	1	04/26/2020 22:22	WG1466101
n-Hexane	U		0.749	5.00	1	04/26/2020 22:22	WG1466101
Iodomethane	U		6.00	10.0	1	04/26/2020 22:22	WG1466101
Isopropylbenzene	U		0.105	0.500	1	04/26/2020 22:22	WG1466101
p-Isopropyltoluene	U		0.120	0.500	1	04/26/2020 22:22	WG1466101
2-Butanone (MEK)	U		1.19	5.00	1	04/26/2020 22:22	WG1466101
Methylene Chloride	U		0.430	2.50	1	04/26/2020 22:22	WG1466101
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/26/2020 22:22	WG1466101
Methyl tert-butyl ether	U		0.101	0.500	1	04/26/2020 22:22	WG1466101
Naphthalene	U		0.174	2.50	1	04/26/2020 22:22	WG1466101
n-Propylbenzene	U		0.0993	0.500	1	04/26/2020 22:22	WG1466101
Styrene	U		0.118	0.500	1	04/26/2020 22:22	WG1466101
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/26/2020 22:22	WG1466101
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/26/2020 22:22	WG1466101

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/26/2020 22:22	WG1466101
Tetrachloroethene	U		0.300	0.500	1	04/26/2020 22:22	WG1466101
Toluene	U		0.278	0.500	1	04/26/2020 22:22	WG1466101
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2020 22:22	WG1466101
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/26/2020 22:22	WG1466101
1,1,1-Trichloroethane	U		0.149	0.500	1	04/26/2020 22:22	WG1466101
1,1,2-Trichloroethane	U		0.158	0.500	1	04/26/2020 22:22	WG1466101
Trichloroethene	U		0.190	0.500	1	04/26/2020 22:22	WG1466101
Trichlorofluoromethane	U		0.160	2.50	1	04/26/2020 22:22	WG1466101
1,2,3-Trichloropropane	U		0.237	2.50	1	04/26/2020 22:22	WG1466101
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/26/2020 22:22	WG1466101
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 22:22	WG1466101
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 22:22	WG1466101
Vinyl acetate	U		0.692	5.00	1	04/26/2020 22:22	WG1466101
Vinyl chloride	U		0.234	0.500	1	04/26/2020 22:22	WG1466101
Xylenes, Total	U		0.174	1.50	1	04/26/2020 22:22	WG1466101
(S) Toluene-d8	*98.1*			*80.0-120*		*04/26/2020 22:22*	WG1466101
(S) 4-Bromofluorobenzene	*91.9*			*77.0-126*		*04/26/2020 22:22*	WG1466101
(S) 1,2-Dichloroethane-d4	*132*	J1		*70.0-130*		*04/26/2020 22:22*	WG1466101

Method Blank (MB)

(MB) R3521727-1 04/24/20 10:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	U		8450	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1211489-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1211489-01 04/24/20 11:17 • (DUP) R3521727-3 04/24/20 11:26

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	616000	610000	1	0.865		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L1211596-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1211596-01 04/24/20 14:03 • (DUP) R3521727-6 04/24/20 14:14

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	140000	136000	1	2.80		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3521727-5 04/24/20 12:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	92400	92.4	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3521634-1 04/23/20 09:40

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Chloride	U		379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1211475-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1211475-01 04/23/20 14:57 • (DUP) R3521634-3 04/23/20 15:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	9640	9680	1	0.356		15
Nitrate	2560	2560	1	0.0273		15
Sulfate	7000	7020	1	0.385		15

L1211203-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1211203-01 04/23/20 20:55 • (DUP) R3521634-5 04/23/20 21:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	74600	74600	1	0.0895		15
Nitrate	1660	1660	1	0.163		15
Sulfate	91100	91200	1	0.109		15

Laboratory Control Sample (LCS)

(LCS) R3521634-2 04/23/20 09:58

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Chloride	40000	39000	97.5	80.0-120	
Nitrate	8000	7970	99.7	80.0-120	
Sulfate	40000	39500	98.7	80.0-120	

L1211475-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1211475-02 04/23/20 15:33 • (MS) R3521634-4 04/23/20 15:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	11500	60700	98.4	1	80.0-120	
Nitrate	5000	2070	7040	99.2	1	80.0-120	
Sulfate	50000	15100	63800	97.4	1	80.0-120	

L1211203-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1211203-02 04/23/20 21:31 • (MS) R3521634-6 04/23/20 21:49 • (MSD) R3521634-7 04/23/20 22:07

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	17900	66400	66500	97.0	97.2	1	80.0-120			0.191	15
Nitrate	5000	538	5570	5580	101	101	1	80.0-120			0.210	15
Sulfate	50000	8750	57400	57500	97.3	97.5	1	80.0-120			0.157	15

Method Blank (MB)

(MB) R3521806-1 04/24/20 16:48

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

L1211489-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1211489-01 04/24/20 18:52 • (DUP) R3521806-3 04/24/20 19:06

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	10300	10200	1	0.195		20

Laboratory Control Sample (LCS)

(LCS) R3521806-2 04/24/20 17:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC	75000	72200	96.2	85.0-115	

Method Blank (MB)

(MB) R3522419-1 04/27/20 17:30

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		48.9	100
Manganese	U		1.32	5.00

Laboratory Control Sample (LCS)

(LCS) R3522419-2 04/27/20 17:34

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	5000	4750	95.1	80.0-120	
Manganese	50.0	48.5	97.1	80.0-120	

L1211430-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1211430-01 04/27/20 17:37 • (MS) R3522419-4 04/27/20 17:44 • (MSD) R3522419-5 04/27/20 17:47

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	5000	240	4870	5170	92.7	98.6	1	75.0-125			5.89	20
Manganese	50.0	9.89	54.5	54.6	89.3	89.5	1	75.0-125			0.227	20

Method Blank (MB)

(MB) R3522299-2 04/27/20 13:33

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

L1211501-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1211501-06 04/27/20 14:13 • (DUP) R3522299-3 04/27/20 14:38

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

L1211860-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1211860-06 04/27/20 15:04 • (DUP) R3522299-4 04/27/20 15:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	69.6	67.3	1	3.36		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

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

(LCS) R3522299-1 04/27/20 13:27 • (LCSD) R3522299-5 04/27/20 15:13

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	66.0	69.9	97.3	103	85.0-115			5.74	20
Ethane	129	128	126	99.2	97.7	85.0-115			1.57	20
Ethene	127	122	121	96.1	95.3	85.0-115			0.823	20

Method Blank (MB)

(MB) R3522650-2 04/28/20 11:00

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

L1211870-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1211870-08 04/28/20 11:23 • (DUP) R3522650-3 04/28/20 11:38

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

L1211880-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1211880-06 04/28/20 13:12 • (DUP) R3522650-4 04/28/20 13:15

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

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

(LCS) R3522650-1 04/28/20 10:51 • (LCSD) R3522650-5 04/28/20 13:18

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	64.9	65.4	95.7	96.5	85.0-115			0.767	20

Method Blank (MB)

(MB) R3522707-3 04/26/20 21:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromochloromethane	U		0.128	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	U		0.157	0.500
sec-Butylbenzene	U		0.125	0.500
tert-Butylbenzene	U		0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
trans-1,4-Dichloro-2-butene	U		0.467	5.00
2,2-Dichloropropane	U		0.161	0.500
Di-isopropyl ether	U		0.105	0.500

Method Blank (MB)

(MB) R3522707-3 04/26/20 21:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.137	0.500
Hexachloro-1,3-butadiene	U		0.337	1.00
2-Hexanone	U		0.787	5.00
n-Hexane	U		0.749	5.00
Iodomethane	U		6.00	10.0
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	0.500
1,2,3-Trimethylbenzene	U		0.104	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl acetate	U		0.692	5.00
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	*99.8*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*

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

(LCS) R3522707-1 04/26/20 20:42 • (LCSD) R3522707-2 04/26/20 21:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	33.5	33.2	134	133	19.0-160			0.900	27
Acrylonitrile	25.0	28.9	28.6	116	114	55.0-149			1.04	20
Benzene	5.00	5.06	4.90	101	98.0	70.0-123			3.21	20
Bromobenzene	5.00	5.04	4.62	101	92.4	73.0-121			8.70	20
Bromodichloromethane	5.00	5.60	5.61	112	112	75.0-120			0.178	20
Bromochloromethane	5.00	5.55	5.38	111	108	76.0-122			3.11	20
Bromoform	5.00	5.10	4.88	102	97.6	68.0-132			4.41	20
Bromomethane	5.00	5.71	5.51	114	110	10.0-160			3.57	25
n-Butylbenzene	5.00	5.43	5.20	109	104	73.0-125			4.33	20
sec-Butylbenzene	5.00	5.22	5.07	104	101	75.0-125			2.92	20
tert-Butylbenzene	5.00	5.12	5.01	102	100	76.0-124			2.17	20
Carbon disulfide	5.00	5.10	5.14	102	103	61.0-128			0.781	20
Carbon tetrachloride	5.00	6.06	6.29	121	126	68.0-126			3.72	20
Chlorobenzene	5.00	4.99	4.99	99.8	99.8	80.0-121			0.000	20
Chlorodibromomethane	5.00	5.14	4.81	103	96.2	77.0-125			6.63	20
Chloroethane	5.00	6.06	6.00	121	120	47.0-150			0.995	20
Chloroform	5.00	5.49	5.48	110	110	73.0-120			0.182	20
Chloromethane	5.00	6.69	6.43	134	129	41.0-142			3.96	20
2-Chlorotoluene	5.00	5.00	4.94	100	98.8	76.0-123			1.21	20
4-Chlorotoluene	5.00	5.44	5.01	109	100	75.0-122			8.23	20
1,2-Dibromo-3-Chloropropane	5.00	4.28	4.27	85.6	85.4	58.0-134			0.234	20
1,2-Dibromoethane	5.00	4.81	4.76	96.2	95.2	80.0-122			1.04	20
Dibromomethane	5.00	5.81	5.52	116	110	80.0-120			5.12	20
1,2-Dichlorobenzene	5.00	5.21	5.06	104	101	79.0-121			2.92	20
1,3-Dichlorobenzene	5.00	5.42	5.36	108	107	79.0-120			1.11	20
1,4-Dichlorobenzene	5.00	5.03	4.82	101	96.4	79.0-120			4.26	20
Dichlorodifluoromethane	5.00	5.97	5.96	119	119	51.0-149			0.168	20
1,1-Dichloroethane	5.00	6.25	5.87	125	117	70.0-126			6.27	20
1,2-Dichloroethane	5.00	5.99	5.93	120	119	70.0-128			1.01	20
1,1-Dichloroethene	5.00	5.16	5.01	103	100	71.0-124			2.95	20
cis-1,2-Dichloroethene	5.00	5.14	5.07	103	101	73.0-120			1.37	20
trans-1,2-Dichloroethene	5.00	5.20	5.25	104	105	73.0-120			0.957	20
1,2-Dichloropropane	5.00	5.86	5.90	117	118	77.0-125			0.680	20
1,1-Dichloropropene	5.00	5.65	5.38	113	108	74.0-126			4.90	20
1,3-Dichloropropane	5.00	5.30	5.18	106	104	80.0-120			2.29	20
cis-1,3-Dichloropropene	5.00	5.58	5.52	112	110	80.0-123			1.08	20
trans-1,3-Dichloropropene	5.00	5.41	5.30	108	106	78.0-124			2.05	20
trans-1,4-Dichloro-2-butene	5.00	5.73	4.86	115	97.2	33.0-144			16.4	20
2,2-Dichloropropane	5.00	6.78	6.81	136	136	58.0-130	J4	J4	0.442	20
Di-isopropyl ether	5.00	7.16	6.96	143	139	58.0-138	J4	J4	2.83	20

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

(LCS) R3522707-1 04/26/20 20:42 • (LCSD) R3522707-2 04/26/20 21:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	4.63	4.40	92.6	88.0	79.0-123			5.09	20
Hexachloro-1,3-butadiene	5.00	4.77	4.94	95.4	98.8	54.0-138			3.50	20
2-Hexanone	25.0	27.0	26.7	108	107	67.0-149			1.12	20
n-Hexane	5.00	5.94	5.87	119	117	57.0-133			1.19	20
Iodomethane	25.0	24.6	24.5	98.4	98.0	33.0-147			0.407	26
Isopropylbenzene	5.00	5.15	5.07	103	101	76.0-127			1.57	20
p-Isopropyltoluene	5.00	5.31	5.18	106	104	76.0-125			2.48	20
2-Butanone (MEK)	25.0	31.0	30.7	124	123	44.0-160			0.972	20
Methylene Chloride	5.00	4.99	5.08	99.8	102	67.0-120			1.79	20
4-Methyl-2-pentanone (MIBK)	25.0	31.7	31.1	127	124	68.0-142			1.91	20
Methyl tert-butyl ether	5.00	6.22	6.11	124	122	68.0-125			1.78	20
Naphthalene	5.00	4.91	4.63	98.2	92.6	54.0-135			5.87	20
n-Propylbenzene	5.00	5.06	4.70	101	94.0	77.0-124			7.38	20
Styrene	5.00	5.06	5.01	101	100	73.0-130			0.993	20
1,1,1,2-Tetrachloroethane	5.00	5.36	5.07	107	101	75.0-125			5.56	20
1,1,2,2-Tetrachloroethane	5.00	4.83	4.65	96.6	93.0	65.0-130			3.80	20
1,1,2-Trichlorotrifluoroethane	5.00	5.46	5.72	109	114	69.0-132			4.65	20
Tetrachloroethene	5.00	5.06	5.13	101	103	72.0-132			1.37	20
Toluene	5.00	4.68	4.63	93.6	92.6	79.0-120			1.07	20
1,2,3-Trichlorobenzene	5.00	4.94	4.91	98.8	98.2	50.0-138			0.609	20
1,2,4-Trichlorobenzene	5.00	5.38	4.89	108	97.8	57.0-137			9.54	20
1,1,1-Trichloroethane	5.00	5.80	5.71	116	114	73.0-124			1.56	20
1,1,2-Trichloroethane	5.00	4.70	4.75	94.0	95.0	80.0-120			1.06	20
Trichloroethene	5.00	5.45	5.00	109	100	78.0-124			8.61	20
Trichlorofluoromethane	5.00	6.78	6.72	136	134	59.0-147			0.889	20
1,2,3-Trichloropropane	5.00	5.34	5.03	107	101	73.0-130			5.98	20
1,2,4-Trimethylbenzene	5.00	5.23	5.16	105	103	76.0-121			1.35	20
1,2,3-Trimethylbenzene	5.00	5.30	5.04	106	101	77.0-120			5.03	20
1,3,5-Trimethylbenzene	5.00	5.32	5.11	106	102	76.0-122			4.03	20
Vinyl acetate	25.0	23.8	24.9	95.2	99.6	11.0-160			4.52	20
Vinyl chloride	5.00	6.57	6.53	131	131	67.0-131			0.611	20
Xylenes, Total	15.0	15.2	14.6	101	97.3	79.0-123			4.03	20
(S) Toluene-d8				*97.2*	*97.5*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.1*	*98.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*123*	*124*	*70.0-130*				

Method Blank (MB)

(MB) R3522527-3 04/27/20 11:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromochloromethane	U		0.128	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	U		0.157	0.500
sec-Butylbenzene	U		0.125	0.500
tert-Butylbenzene	U		0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
trans-1,4-Dichloro-2-butene	U		0.467	5.00
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
2,2-Dichloropropane	U		0.161	0.500
Di-isopropyl ether	U		0.105	0.500

Method Blank (MB)

(MB) R3522527-3 04/27/20 11:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.137	0.500
Hexachloro-1,3-butadiene	U		0.337	1.00
2-Hexanone	U		0.787	5.00
n-Hexane	U		0.749	5.00
Iodomethane	U		6.00	10.0
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,3-Trimethylbenzene	U		0.104	0.500
1,2,4-Trimethylbenzene	U		0.322	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl acetate	U		0.692	5.00
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

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

(LCS) R3522527-1 04/27/20 10:35 • (LCSD) R3522527-2 04/27/20 10:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	27.7	28.2	111	113	19.0-160			1.79	27
Acrylonitrile	25.0	25.2	24.2	101	96.8	55.0-149			4.05	20
Benzene	5.00	4.97	4.83	99.4	96.6	70.0-123			2.86	20
Bromobenzene	5.00	4.42	4.32	88.4	86.4	73.0-121			2.29	20
Bromodichloromethane	5.00	4.82	4.73	96.4	94.6	75.0-120			1.88	20
Bromochloromethane	5.00	5.53	5.44	111	109	76.0-122			1.64	20
Bromoform	5.00	4.64	4.62	92.8	92.4	68.0-132			0.432	20
Bromomethane	5.00	5.33	5.47	107	109	10.0-160			2.59	25
n-Butylbenzene	5.00	4.84	4.74	96.8	94.8	73.0-125			2.09	20
sec-Butylbenzene	5.00	4.53	4.53	90.6	90.6	75.0-125			0.000	20
tert-Butylbenzene	5.00	4.45	4.48	89.0	89.6	76.0-124			0.672	20
Carbon disulfide	5.00	5.27	5.12	105	102	61.0-128			2.89	20
Carbon tetrachloride	5.00	5.36	5.13	107	103	68.0-126			4.39	20
Chlorobenzene	5.00	4.86	4.94	97.2	98.8	80.0-121			1.63	20
Chlorodibromomethane	5.00	4.48	4.54	89.6	90.8	77.0-125			1.33	20
Chloroethane	5.00	6.21	6.05	124	121	47.0-150			2.61	20
Chloroform	5.00	5.03	5.03	101	101	73.0-120			0.000	20
Chloromethane	5.00	5.77	5.41	115	108	41.0-142			6.44	20
2-Chlorotoluene	5.00	4.84	4.71	96.8	94.2	76.0-123			2.72	20
4-Chlorotoluene	5.00	4.62	4.36	92.4	87.2	75.0-122			5.79	20
1,2-Dibromo-3-Chloropropane	5.00	4.51	4.56	90.2	91.2	58.0-134			1.10	20
1,2-Dibromoethane	5.00	4.67	4.56	93.4	91.2	80.0-122			2.38	20
Dibromomethane	5.00	5.06	4.93	101	98.6	80.0-120			2.60	20
1,2-Dichlorobenzene	5.00	4.78	4.62	95.6	92.4	79.0-121			3.40	20
1,3-Dichlorobenzene	5.00	4.83	4.81	96.6	96.2	79.0-120			0.415	20
1,4-Dichlorobenzene	5.00	4.76	4.92	95.2	98.4	79.0-120			3.31	20
trans-1,4-Dichloro-2-butene	5.00	4.29	3.99	85.8	79.8	33.0-144			7.25	20
Dichlorodifluoromethane	5.00	7.01	6.54	140	131	51.0-149			6.94	20
1,1-Dichloroethane	5.00	5.21	4.86	104	97.2	70.0-126			6.95	20
1,2-Dichloroethane	5.00	5.32	5.22	106	104	70.0-128			1.90	20
1,1-Dichloroethene	5.00	5.03	4.80	101	96.0	71.0-124			4.68	20
cis-1,2-Dichloroethene	5.00	5.17	4.94	103	98.8	73.0-120			4.55	20
trans-1,2-Dichloroethene	5.00	5.19	5.08	104	102	73.0-120			2.14	20
1,2-Dichloropropane	5.00	4.78	4.81	95.6	96.2	77.0-125			0.626	20
1,1-Dichloropropene	5.00	5.14	5.15	103	103	74.0-126			0.194	20
1,3-Dichloropropane	5.00	4.58	4.71	91.6	94.2	80.0-120			2.80	20
cis-1,3-Dichloropropene	5.00	4.37	4.60	87.4	92.0	80.0-123			5.13	20
trans-1,3-Dichloropropene	5.00	4.71	4.65	94.2	93.0	78.0-124			1.28	20
2,2-Dichloropropane	5.00	5.71	5.51	114	110	58.0-130			3.57	20
Di-isopropyl ether	5.00	5.14	5.05	103	101	58.0-138			1.77	20

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

(LCS) R3522527-1 04/27/20 10:35 • (LCSD) R3522527-2 04/27/20 10:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	5.07	5.10	101	102	79.0-123			0.590	20
Hexachloro-1,3-butadiene	5.00	4.73	4.69	94.6	93.8	54.0-138			0.849	20
2-Hexanone	25.0	23.0	22.6	92.0	90.4	67.0-149			1.75	20
n-Hexane	5.00	5.64	5.73	113	115	57.0-133			1.58	20
Iodomethane	25.0	25.9	25.4	104	102	33.0-147			1.95	26
Isopropylbenzene	5.00	4.94	5.04	98.8	101	76.0-127			2.00	20
p-Isopropyltoluene	5.00	4.67	4.66	93.4	93.2	76.0-125			0.214	20
2-Butanone (MEK)	25.0	23.2	23.1	92.8	92.4	44.0-160			0.432	20
Methylene Chloride	5.00	5.48	5.36	110	107	67.0-120			2.21	20
4-Methyl-2-pentanone (MIBK)	25.0	25.0	25.2	100	101	68.0-142			0.797	20
Methyl tert-butyl ether	5.00	5.20	5.04	104	101	68.0-125			3.12	20
Naphthalene	5.00	4.59	4.51	91.8	90.2	54.0-135			1.76	20
n-Propylbenzene	5.00	4.66	4.57	93.2	91.4	77.0-124			1.95	20
Styrene	5.00	4.87	4.88	97.4	97.6	73.0-130			0.205	20
1,1,1,2-Tetrachloroethane	5.00	5.05	4.89	101	97.8	75.0-125			3.22	20
1,1,2,2-Tetrachloroethane	5.00	4.67	4.62	93.4	92.4	65.0-130			1.08	20
Tetrachloroethene	5.00	5.11	5.08	102	102	72.0-132			0.589	20
Toluene	5.00	4.65	4.59	93.0	91.8	79.0-120			1.30	20
1,1,2-Trichlorotrifluoroethane	5.00	5.91	5.61	118	112	69.0-132			5.21	20
1,2,3-Trichlorobenzene	5.00	4.43	4.49	88.6	89.8	50.0-138			1.35	20
1,2,4-Trichlorobenzene	5.00	4.68	4.86	93.6	97.2	57.0-137			3.77	20
1,1,1-Trichloroethane	5.00	5.37	5.13	107	103	73.0-124			4.57	20
1,1,2-Trichloroethane	5.00	4.34	4.80	86.8	96.0	80.0-120			10.1	20
Trichloroethene	5.00	4.45	4.67	89.0	93.4	78.0-124			4.82	20
Trichlorofluoromethane	5.00	5.74	5.59	115	112	59.0-147			2.65	20
1,2,3-Trichloropropane	5.00	5.00	4.81	100	96.2	73.0-130			3.87	20
1,2,3-Trimethylbenzene	5.00	4.66	4.50	93.2	90.0	77.0-120			3.49	20
1,2,4-Trimethylbenzene	5.00	4.43	4.44	88.6	88.8	76.0-121			0.225	20
1,3,5-Trimethylbenzene	5.00	4.62	4.65	92.4	93.0	76.0-122			0.647	20
Vinyl acetate	25.0	27.0	27.0	108	108	11.0-160			0.000	20
Vinyl chloride	5.00	5.88	5.61	118	112	67.0-131			4.70	20
Xylenes, Total	15.0	14.5	14.3	96.7	95.3	79.0-123			1.39	20
(S) Toluene-d8				*104*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*100*	*96.2*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*106*	*105*	*70.0-130*				

Method Blank (MB)

(MB) R3522950-2 04/29/20 01:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,2-Dichloroethene	U		0.126	0.500
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3522950-1 04/29/20 00:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,2-Dichloroethene	5.00	5.37	107	73.0-120	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*95.4*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*106*	*70.0-130*	

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
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.

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

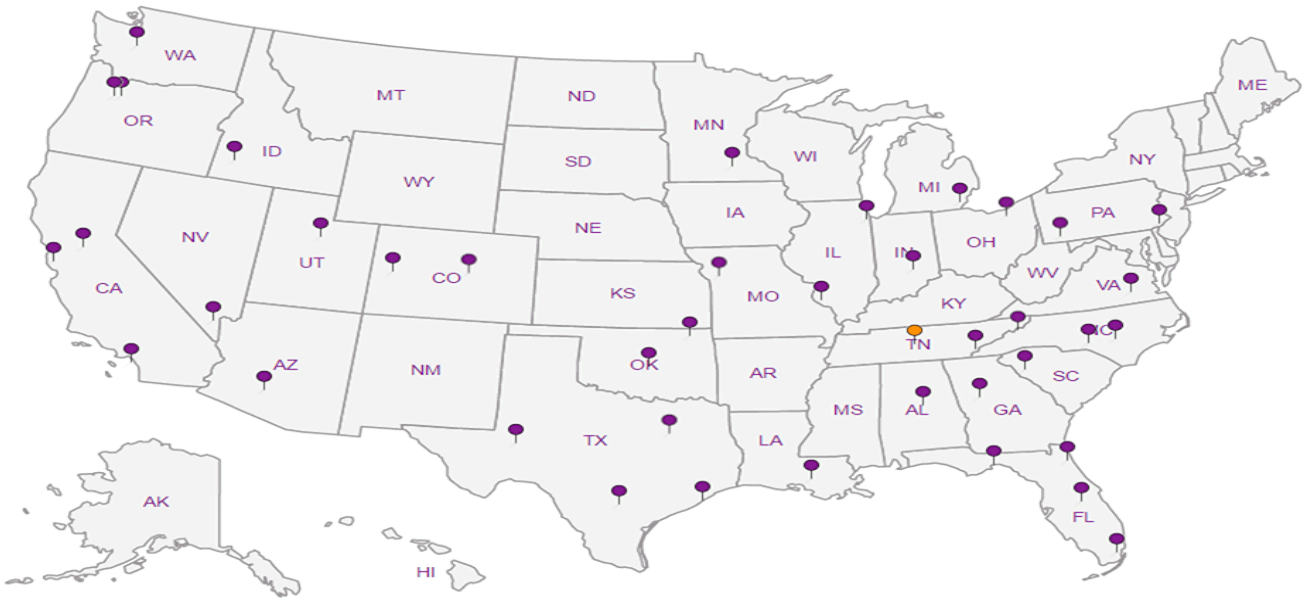
Third Party Federal Accreditations

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.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;srn

Project Description: American Linen

City/State Collected:

Please Circle: PT MT CT ET

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.02.501E

Lab Project # PESENVSWA-ALP

Collected by (print): Sean Kaynosky

Site/Facility ID # American Linen

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM RSK175LL 40mlAmb-HCl	NWTPHGX 40mlAmb HCl	TOC 250mlHDPE-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	VOCs LL 8260D 40mlAmb-HCl	Remarks	Sample # (lab only)
MW109-042220	Grab	GW	40	4/22/20	0930	9	X	X	X		X	X	X		-01
MW-314-042220	Grab	GW	75	4/22/20	1020	9	X	X	X		X	X	X		-02
MW110		GW	40		1230 (DUP)										
		GW			1255										
MW-312-042220	Grab	GW	24	4/22/20	1230	9	X	X	X		X	X	X		-03
MW110-042220	Grab	GW	40	4/22/20	1255	9	X	X	X		X	X	X		-04
MW108-042220	Grab	GW	45	4/22/20	1455	9	X	X	X		X	X	X		-05
TB-042220	—	GW	-	4/22/20	1630	1							X		-06

ID

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

Remarks: *Nitrate has a 48 hour holding time.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 167627493197

Trip Blank Received: Yes / No HCL / MeoH TBR

Temp: 0.7 °C Bottles Received: 45

Relinquished by : (Signature) Date: 4/22/20 Time: 1700 Received by: (Signature)

Relinquished by : (Signature) Date: Time: Received by: (Signature)

Relinquished by : (Signature) Date: Time: Received for lab by: (Signature) Sandy Yossef Date: 4/23/20 Time: 0830

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

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

Chain of Custody Page ___ 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

SDG # L1211489

Ta A211

Acctnum: PESENVSWA

Template: T165314

Prelogin: P763877

PM: 110 - Brian Ford

PB:

Shipped Via:

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 05, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1211929
Samples Received:	04/24/2020
Project Number:	1413.001.02.501E
Description:	American Linen
Site:	AMERICAN LINEN
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

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-928-042320 L1211929-01 GW

Collected by: HC/SK | Collected date/time: 04/23/20 08:00 | Received date/time: 04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1466001	1	04/27/20 18:55	04/27/20 18:55	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1465822	1	04/24/20 15:10	04/24/20 15:10	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1466185	1	04/25/20 18:38	04/25/20 18:38	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1466428	1	04/26/20 16:27	04/27/20 00:24	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1466428	5	04/26/20 16:27	04/27/20 13:32	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1467168	1	04/28/20 14:14	04/28/20 14:14	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466619	1	04/26/20 23:16	04/26/20 23:16	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1469464	1	05/02/20 13:29	05/02/20 13:29	JHH	Mt. Juliet, TN

MW-311-042320 L1211929-02 GW

Collected by: HC/SK | Collected date/time: 04/23/20 09:15 | Received date/time: 04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1466002	1	04/27/20 22:59	04/27/20 22:59	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1465822	1	04/24/20 15:35	04/24/20 15:35	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1466185	1	04/25/20 18:57	04/25/20 18:57	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1466428	1	04/26/20 16:27	04/27/20 00:27	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1466428	5	04/26/20 16:27	04/27/20 13:35	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1467168	1	04/28/20 14:17	04/28/20 14:17	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466619	1	04/26/20 23:37	04/26/20 23:37	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1469464	1	05/02/20 13:48	05/02/20 13:48	JHH	Mt. Juliet, TN

MW127-042320 L1211929-03 GW

Collected by: HC/SK | Collected date/time: 04/23/20 09:45 | Received date/time: 04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1466002	1	04/27/20 23:18	04/27/20 23:18	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1465822	1	04/24/20 16:13	04/24/20 16:13	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1466185	1	04/25/20 19:11	04/25/20 19:11	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1466428	1	04/26/20 16:27	04/27/20 00:37	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1466362	1	04/26/20 11:32	04/26/20 11:32	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1467168	1	04/28/20 14:19	04/28/20 14:19	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466619	1	04/26/20 23:57	04/26/20 23:57	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1469464	1	05/02/20 14:07	05/02/20 14:07	JHH	Mt. Juliet, TN

MW103-042320 L1211929-04 GW

Collected by: HC/SK | Collected date/time: 04/23/20 11:55 | Received date/time: 04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1466002	1	04/27/20 23:27	04/27/20 23:27	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1465822	1	04/24/20 16:26	04/24/20 16:26	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1466185	1	04/25/20 19:28	04/25/20 19:28	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1466428	1	04/26/20 16:27	04/27/20 00:40	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1466428	5	04/26/20 16:27	04/27/20 13:38	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1467168	1	04/28/20 14:25	04/28/20 14:25	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466619	1	04/27/20 00:17	04/27/20 00:17	JHH	Mt. Juliet, TN

MW120-042320 L1211929-05 GW

Collected by: HC/SK | Collected date/time: 04/23/20 12:00 | Received date/time: 04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1466002	1	04/27/20 23:35	04/27/20 23:35	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1465822	1	04/24/20 16:39	04/24/20 16:39	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1465822	5	04/24/20 17:17	04/24/20 17:17	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1466185	1	04/25/20 21:12	04/25/20 21:12	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1466428	1	04/26/20 16:27	04/27/20 00:44	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1466428	5	04/26/20 16:27	04/27/20 13:42	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1466240	1	04/25/20 14:48	04/25/20 14:48	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1467168	1	04/28/20 14:29	04/28/20 14:29	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466619	1	04/27/20 00:38	04/27/20 00:38	JHH	Mt. Juliet, TN

EQ-042320 L1211929-06 GW

Collected by: HC/SK | Collected date/time: 04/23/20 13:00 | Received date/time: 04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1466002	1	04/28/20 02:31	04/28/20 02:31	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1465822	1	04/24/20 17:30	04/24/20 17:30	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1466185	1	04/25/20 21:25	04/25/20 21:25	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1466428	1	04/26/20 16:27	04/27/20 00:11	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1466240	1	04/25/20 13:37	04/25/20 13:37	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1467817	1	04/29/20 11:22	04/29/20 11:22	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466619	1	04/26/20 20:34	04/26/20 20:34	JHH	Mt. Juliet, TN

MW111-042320 L1211929-07 GW

Collected by: HC/SK | Collected date/time: 04/23/20 14:20 | Received date/time: 04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1466002	1	04/27/20 23:52	04/27/20 23:52	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1465822	1	04/24/20 17:43	04/24/20 17:43	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1466185	1	04/25/20 22:29	04/25/20 22:29	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1466428	1	04/26/20 16:27	04/27/20 00:47	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1466428	5	04/26/20 16:27	04/27/20 13:54	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1467817	1	04/29/20 11:29	04/29/20 11:29	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466619	1	04/27/20 00:58	04/27/20 00:58	JHH	Mt. Juliet, TN

MW-323-042320 L1211929-08 GW

Collected by: HC/SK | Collected date/time: 04/23/20 15:15 | Received date/time: 04/24/20 08:15

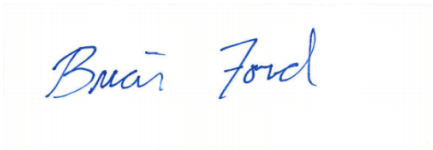
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1466002	1	04/28/20 00:00	04/28/20 00:00	GB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1465822	1	04/24/20 17:56	04/24/20 17:56	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1466185	1	04/25/20 22:45	04/25/20 22:45	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1466428	1	04/26/20 16:27	04/27/20 00:50	LAT	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1466428	5	04/26/20 16:27	04/27/20 13:58	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1467817	1	04/29/20 13:08	04/29/20 13:08	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1469464	1	05/02/20 14:27	05/02/20 14:27	JHH	Mt. Juliet, TN

TB-042320 L1211929-09 GW

Collected by	Collected date/time	Received date/time
HC/SK	04/23/20 16:00	04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1466240	1	04/25/20 13:59	04/25/20 13:59	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1466619	1	04/26/20 19:53	04/26/20 19:53	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1469904	1	05/03/20 16:29	05/03/20 16:29	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.



Brian Ford
Project Manager

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	258000		8450	20000	1	04/27/2020 18:55	WG1466001

Sample Narrative:
L1211929-01 WG1466001: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	17100		379	1000	1	04/24/2020 15:10	WG1465822
Nitrate	U		48.0	100	1	04/24/2020 15:10	WG1465822
Sulfate	13500		594	5000	1	04/24/2020 15:10	WG1465822

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2440		102	1000	1	04/25/2020 18:38	WG1466185

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	11300		48.9	100	1	04/27/2020 00:24	WG1466428
Manganese	786		6.60	25.0	5	04/27/2020 13:32	WG1466428

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	314		0.287	0.678	1	04/28/2020 14:14	WG1467168
Ethane	12.3		0.296	1.29	1	04/28/2020 14:14	WG1467168
Ethene	U		0.422	1.27	1	04/28/2020 14:14	WG1467168

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	04/26/2020 23:16	WG1466619
Acrylonitrile	U		0.671	5.00	1	04/26/2020 23:16	WG1466619
Benzene	U		0.0941	0.500	1	04/26/2020 23:16	WG1466619
Bromobenzene	U		0.118	0.500	1	04/26/2020 23:16	WG1466619
Bromodichloromethane	U		0.136	0.500	1	04/26/2020 23:16	WG1466619
Bromochloromethane	U		0.128	0.500	1	04/26/2020 23:16	WG1466619
Bromoform	U		0.129	0.500	1	04/26/2020 23:16	WG1466619
Bromomethane	U		0.605	2.50	1	04/26/2020 23:16	WG1466619
n-Butylbenzene	U		0.157	0.500	1	04/26/2020 23:16	WG1466619
sec-Butylbenzene	U		0.125	0.500	1	04/26/2020 23:16	WG1466619
tert-Butylbenzene	U		0.127	0.500	1	04/26/2020 23:16	WG1466619
Carbon disulfide	U		0.0962	0.500	1	04/26/2020 23:16	WG1466619
Carbon tetrachloride	U		0.128	0.500	1	04/26/2020 23:16	WG1466619
Chlorobenzene	U		0.117	0.500	1	04/26/2020 23:16	WG1466619
Chlorodibromomethane	U		0.140	0.500	1	04/26/2020 23:16	WG1466619
Chloroethane	U		0.192	2.50	1	04/26/2020 23:16	WG1466619
Chloroform	U		0.111	0.500	1	04/26/2020 23:16	WG1466619
Chloromethane	U		0.960	1.25	1	04/26/2020 23:16	WG1466619
2-Chlorotoluene	U		0.106	0.500	1	04/26/2020 23:16	WG1466619
4-Chlorotoluene	U		0.114	0.500	1	04/26/2020 23:16	WG1466619

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/26/2020 23:16	WG1466619
1,2-Dibromoethane	U		0.126	0.500	1	04/26/2020 23:16	WG1466619
Dibromomethane	U		0.122	0.500	1	04/26/2020 23:16	WG1466619
1,2-Dichlorobenzene	U		0.107	0.500	1	04/26/2020 23:16	WG1466619
1,3-Dichlorobenzene	U		0.299	0.500	1	04/26/2020 23:16	WG1466619
1,4-Dichlorobenzene	U		0.120	0.500	1	04/26/2020 23:16	WG1466619
Dichlorodifluoromethane	U		0.374	2.50	1	04/26/2020 23:16	WG1466619
1,1-Dichloroethane	U		0.100	0.500	1	04/26/2020 23:16	WG1466619
1,2-Dichloroethane	U		0.0819	0.500	1	04/26/2020 23:16	WG1466619
1,1-Dichloroethene	0.291	J	0.188	0.500	1	04/26/2020 23:16	WG1466619
cis-1,2-Dichloroethene	12.9		0.126	0.500	1	04/26/2020 23:16	WG1466619
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/26/2020 23:16	WG1466619
1,2-Dichloropropane	U		0.149	0.500	1	04/26/2020 23:16	WG1466619
1,1-Dichloropropene	U		0.142	0.500	1	04/26/2020 23:16	WG1466619
1,3-Dichloropropane	U		0.109	1.00	1	04/26/2020 23:16	WG1466619
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/26/2020 23:16	WG1466619
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/26/2020 23:16	WG1466619
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/26/2020 23:16	WG1466619
2,2-Dichloropropane	U		0.161	0.500	1	04/26/2020 23:16	WG1466619
Di-isopropyl ether	U		0.105	0.500	1	04/26/2020 23:16	WG1466619
Ethylbenzene	U		0.137	0.500	1	04/26/2020 23:16	WG1466619
Hexachloro-1,3-butadiene	U	J0	0.337	1.00	1	04/26/2020 23:16	WG1466619
2-Hexanone	U		0.787	5.00	1	04/26/2020 23:16	WG1466619
n-Hexane	U		0.749	5.00	1	04/26/2020 23:16	WG1466619
Iodomethane	U		6.00	10.0	1	04/26/2020 23:16	WG1466619
Isopropylbenzene	U		0.105	0.500	1	04/26/2020 23:16	WG1466619
p-Isopropyltoluene	U		0.120	0.500	1	04/26/2020 23:16	WG1466619
2-Butanone (MEK)	U		1.19	5.00	1	04/26/2020 23:16	WG1466619
Methylene Chloride	U		0.430	2.50	1	04/26/2020 23:16	WG1466619
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/26/2020 23:16	WG1466619
Methyl tert-butyl ether	U		0.101	0.500	1	04/26/2020 23:16	WG1466619
Naphthalene	U		0.174	2.50	1	05/02/2020 13:29	WG1469464
n-Propylbenzene	U		0.0993	0.500	1	04/26/2020 23:16	WG1466619
Styrene	U		0.118	0.500	1	04/26/2020 23:16	WG1466619
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/26/2020 23:16	WG1466619
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/26/2020 23:16	WG1466619
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/26/2020 23:16	WG1466619
Tetrachloroethene	U		0.300	0.500	1	04/26/2020 23:16	WG1466619
Toluene	U		0.278	0.500	1	04/26/2020 23:16	WG1466619
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/26/2020 23:16	WG1466619
1,2,4-Trichlorobenzene	U	J0	0.481	1.00	1	04/26/2020 23:16	WG1466619
1,1,1-Trichloroethane	U		0.149	0.500	1	04/26/2020 23:16	WG1466619
1,1,2-Trichloroethane	U		0.158	0.500	1	04/26/2020 23:16	WG1466619
Trichloroethene	0.244	J	0.190	0.500	1	04/26/2020 23:16	WG1466619
Trichlorofluoromethane	U		0.160	2.50	1	04/26/2020 23:16	WG1466619
1,2,3-Trichloropropane	U		0.237	2.50	1	04/26/2020 23:16	WG1466619
1,2,4-Trimethylbenzene	0.492	J	0.322	0.500	1	04/26/2020 23:16	WG1466619
1,2,3-Trimethylbenzene	0.272	J	0.104	0.500	1	04/26/2020 23:16	WG1466619
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 23:16	WG1466619
Vinyl acetate	U		0.692	5.00	1	04/26/2020 23:16	WG1466619
Vinyl chloride	4.71		0.234	0.500	1	04/26/2020 23:16	WG1466619
Xylenes, Total	0.433	J	0.174	1.50	1	04/26/2020 23:16	WG1466619
(S) Toluene-d8	*108*			*80.0-120*		*04/26/2020 23:16*	WG1466619
(S) Toluene-d8	*106*			*80.0-120*		*05/02/2020 13:29*	WG1469464
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*04/26/2020 23:16*	WG1466619
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/02/2020 13:29*	WG1469464

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*04/26/2020 23:16*	WG1466619
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/02/2020 13:29*	WG1469464

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	385000		8450	20000	1	04/27/2020 22:59	WG1466002

Sample Narrative:

L1211929-02 WG1466002: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	44100		379	1000	1	04/24/2020 15:35	WG1465822
Nitrate	U		48.0	100	1	04/24/2020 15:35	WG1465822
Sulfate	9650		594	5000	1	04/24/2020 15:35	WG1465822

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	7580		102	1000	1	04/25/2020 18:57	WG1466185

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1990		48.9	100	1	04/27/2020 00:27	WG1466428
Manganese	745		6.60	25.0	5	04/27/2020 13:35	WG1466428

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	491		0.287	0.678	1	04/28/2020 14:17	WG1467168
Ethane	14.8		0.296	1.29	1	04/28/2020 14:17	WG1467168
Ethene	U		0.422	1.27	1	04/28/2020 14:17	WG1467168

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	04/26/2020 23:37	WG1466619
Acrylonitrile	U		0.671	5.00	1	04/26/2020 23:37	WG1466619
Benzene	U		0.0941	0.500	1	04/26/2020 23:37	WG1466619
Bromobenzene	U		0.118	0.500	1	04/26/2020 23:37	WG1466619
Bromodichloromethane	U		0.136	0.500	1	04/26/2020 23:37	WG1466619
Bromochloromethane	U		0.128	0.500	1	04/26/2020 23:37	WG1466619
Bromoform	U		0.129	0.500	1	04/26/2020 23:37	WG1466619
Bromomethane	U		0.605	2.50	1	04/26/2020 23:37	WG1466619
n-Butylbenzene	U		0.157	0.500	1	04/26/2020 23:37	WG1466619
sec-Butylbenzene	U		0.125	0.500	1	04/26/2020 23:37	WG1466619
tert-Butylbenzene	U		0.127	0.500	1	04/26/2020 23:37	WG1466619
Carbon disulfide	1.15		0.0962	0.500	1	04/26/2020 23:37	WG1466619
Carbon tetrachloride	U		0.128	0.500	1	04/26/2020 23:37	WG1466619
Chlorobenzene	U		0.117	0.500	1	04/26/2020 23:37	WG1466619
Chlorodibromomethane	U		0.140	0.500	1	04/26/2020 23:37	WG1466619
Chloroethane	U		0.192	2.50	1	04/26/2020 23:37	WG1466619
Chloroform	U		0.111	0.500	1	04/26/2020 23:37	WG1466619
Chloromethane	U		0.960	1.25	1	04/26/2020 23:37	WG1466619
2-Chlorotoluene	U		0.106	0.500	1	04/26/2020 23:37	WG1466619
4-Chlorotoluene	U		0.114	0.500	1	04/26/2020 23:37	WG1466619

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/26/2020 23:37	WG1466619
1,2-Dibromoethane	U		0.126	0.500	1	04/26/2020 23:37	WG1466619
Dibromomethane	U		0.122	0.500	1	04/26/2020 23:37	WG1466619
1,2-Dichlorobenzene	U		0.107	0.500	1	04/26/2020 23:37	WG1466619
1,3-Dichlorobenzene	U		0.299	0.500	1	04/26/2020 23:37	WG1466619
1,4-Dichlorobenzene	U		0.120	0.500	1	04/26/2020 23:37	WG1466619
Dichlorodifluoromethane	U		0.374	2.50	1	04/26/2020 23:37	WG1466619
1,1-Dichloroethane	U		0.100	0.500	1	04/26/2020 23:37	WG1466619
1,2-Dichloroethane	U		0.0819	0.500	1	04/26/2020 23:37	WG1466619
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2020 23:37	WG1466619
cis-1,2-Dichloroethene	45.8		0.126	0.500	1	04/26/2020 23:37	WG1466619
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/26/2020 23:37	WG1466619
1,2-Dichloropropane	U		0.149	0.500	1	04/26/2020 23:37	WG1466619
1,1-Dichloropropene	U		0.142	0.500	1	04/26/2020 23:37	WG1466619
1,3-Dichloropropane	U		0.109	1.00	1	04/26/2020 23:37	WG1466619
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/26/2020 23:37	WG1466619
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/26/2020 23:37	WG1466619
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/26/2020 23:37	WG1466619
2,2-Dichloropropane	U		0.161	0.500	1	04/26/2020 23:37	WG1466619
Di-isopropyl ether	U		0.105	0.500	1	04/26/2020 23:37	WG1466619
Ethylbenzene	U		0.137	0.500	1	04/26/2020 23:37	WG1466619
Hexachloro-1,3-butadiene	U	J0	0.337	1.00	1	04/26/2020 23:37	WG1466619
2-Hexanone	U		0.787	5.00	1	04/26/2020 23:37	WG1466619
n-Hexane	U		0.749	5.00	1	04/26/2020 23:37	WG1466619
Iodomethane	U		6.00	10.0	1	04/26/2020 23:37	WG1466619
Isopropylbenzene	U		0.105	0.500	1	04/26/2020 23:37	WG1466619
p-Isopropyltoluene	U		0.120	0.500	1	04/26/2020 23:37	WG1466619
2-Butanone (MEK)	U		1.19	5.00	1	04/26/2020 23:37	WG1466619
Methylene Chloride	U		0.430	2.50	1	04/26/2020 23:37	WG1466619
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/26/2020 23:37	WG1466619
Methyl tert-butyl ether	U		0.101	0.500	1	04/26/2020 23:37	WG1466619
Naphthalene	U		0.174	2.50	1	05/02/2020 13:48	WG1469464
n-Propylbenzene	U		0.0993	0.500	1	04/26/2020 23:37	WG1466619
Styrene	U		0.118	0.500	1	04/26/2020 23:37	WG1466619
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/26/2020 23:37	WG1466619
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/26/2020 23:37	WG1466619
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/26/2020 23:37	WG1466619
Tetrachloroethene	U		0.300	0.500	1	04/26/2020 23:37	WG1466619
Toluene	U		0.278	0.500	1	04/26/2020 23:37	WG1466619
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/26/2020 23:37	WG1466619
1,2,4-Trichlorobenzene	U	J0	0.481	1.00	1	04/26/2020 23:37	WG1466619
1,1,1-Trichloroethane	U		0.149	0.500	1	04/26/2020 23:37	WG1466619
1,1,2-Trichloroethane	U		0.158	0.500	1	04/26/2020 23:37	WG1466619
Trichloroethene	0.624		0.190	0.500	1	04/26/2020 23:37	WG1466619
Trichlorofluoromethane	U		0.160	2.50	1	04/26/2020 23:37	WG1466619
1,2,3-Trichloropropane	U		0.237	2.50	1	04/26/2020 23:37	WG1466619
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/26/2020 23:37	WG1466619
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 23:37	WG1466619
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 23:37	WG1466619
Vinyl acetate	U		0.692	5.00	1	04/26/2020 23:37	WG1466619
Vinyl chloride	10.9		0.234	0.500	1	04/26/2020 23:37	WG1466619
Xylenes, Total	U		0.174	1.50	1	04/26/2020 23:37	WG1466619
(S) Toluene-d8	*110*			*80.0-120*		*04/26/2020 23:37*	WG1466619
(S) Toluene-d8	*105*			*80.0-120*		*05/02/2020 13:48*	WG1469464
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/26/2020 23:37*	WG1466619
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/02/2020 13:48*	WG1469464

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/26/2020 23:37*	WG1466619
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*05/02/2020 13:48*	WG1469464

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	142000		8450	20000	1	04/27/2020 23:18	WG1466002

Sample Narrative:

L1211929-03 WG1466002: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	24800		379	1000	1	04/24/2020 16:13	WG1465822
Nitrate	1270		48.0	100	1	04/24/2020 16:13	WG1465822
Sulfate	67100		594	5000	1	04/24/2020 16:13	WG1465822

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1040	B	102	1000	1	04/25/2020 19:11	WG1466185

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7260		48.9	100	1	04/27/2020 00:37	WG1466428
Manganese	203		1.32	5.00	1	04/27/2020 00:37	WG1466428

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	121	B	31.6	100	1	04/26/2020 11:32	WG1466362
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*04/26/2020 11:32*	WG1466362

Sample Narrative:

L1211929-03 WG1466362: No discernable petroleum pattern present.

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	04/28/2020 14:19	WG1467168
Ethane	U		0.296	1.29	1	04/28/2020 14:19	WG1467168
Ethene	U		0.422	1.27	1	04/28/2020 14:19	WG1467168

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	04/26/2020 23:57	WG1466619
Acrylonitrile	U		0.671	5.00	1	04/26/2020 23:57	WG1466619
Benzene	U		0.0941	0.500	1	04/26/2020 23:57	WG1466619
Bromobenzene	U		0.118	0.500	1	04/26/2020 23:57	WG1466619
Bromodichloromethane	U		0.136	0.500	1	04/26/2020 23:57	WG1466619
Bromochloromethane	U		0.128	0.500	1	04/26/2020 23:57	WG1466619
Bromoform	U		0.129	0.500	1	04/26/2020 23:57	WG1466619
Bromomethane	U		0.605	2.50	1	04/26/2020 23:57	WG1466619
n-Butylbenzene	U		0.157	0.500	1	04/26/2020 23:57	WG1466619
sec-Butylbenzene	U		0.125	0.500	1	04/26/2020 23:57	WG1466619

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
tert-Butylbenzene	U		0.127	0.500	1	04/26/2020 23:57	WG1466619
Carbon disulfide	U		0.0962	0.500	1	04/26/2020 23:57	WG1466619
Carbon tetrachloride	U		0.128	0.500	1	04/26/2020 23:57	WG1466619
Chlorobenzene	U		0.117	0.500	1	04/26/2020 23:57	WG1466619
Chlorodibromomethane	U		0.140	0.500	1	04/26/2020 23:57	WG1466619
Chloroethane	U		0.192	2.50	1	04/26/2020 23:57	WG1466619
Chloroform	U		0.111	0.500	1	04/26/2020 23:57	WG1466619
Chloromethane	U		0.960	1.25	1	04/26/2020 23:57	WG1466619
2-Chlorotoluene	U		0.106	0.500	1	04/26/2020 23:57	WG1466619
4-Chlorotoluene	U		0.114	0.500	1	04/26/2020 23:57	WG1466619
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/26/2020 23:57	WG1466619
1,2-Dibromoethane	U		0.126	0.500	1	04/26/2020 23:57	WG1466619
Dibromomethane	U		0.122	0.500	1	04/26/2020 23:57	WG1466619
1,2-Dichlorobenzene	U		0.107	0.500	1	04/26/2020 23:57	WG1466619
1,3-Dichlorobenzene	U		0.299	0.500	1	04/26/2020 23:57	WG1466619
1,4-Dichlorobenzene	U		0.120	0.500	1	04/26/2020 23:57	WG1466619
Dichlorodifluoromethane	U		0.374	2.50	1	04/26/2020 23:57	WG1466619
1,1-Dichloroethane	0.511		0.100	0.500	1	04/26/2020 23:57	WG1466619
1,2-Dichloroethane	U		0.0819	0.500	1	04/26/2020 23:57	WG1466619
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2020 23:57	WG1466619
cis-1,2-Dichloroethene	0.861		0.126	0.500	1	04/26/2020 23:57	WG1466619
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/26/2020 23:57	WG1466619
1,2-Dichloropropane	U		0.149	0.500	1	04/26/2020 23:57	WG1466619
1,1-Dichloropropene	U		0.142	0.500	1	04/26/2020 23:57	WG1466619
1,3-Dichloropropane	U		0.109	1.00	1	04/26/2020 23:57	WG1466619
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/26/2020 23:57	WG1466619
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/26/2020 23:57	WG1466619
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/26/2020 23:57	WG1466619
2,2-Dichloropropane	U		0.161	0.500	1	04/26/2020 23:57	WG1466619
Di-isopropyl ether	U		0.105	0.500	1	04/26/2020 23:57	WG1466619
Ethylbenzene	U		0.137	0.500	1	04/26/2020 23:57	WG1466619
Hexachloro-1,3-butadiene	U	J0	0.337	1.00	1	04/26/2020 23:57	WG1466619
2-Hexanone	U		0.787	5.00	1	04/26/2020 23:57	WG1466619
n-Hexane	U		0.749	5.00	1	04/26/2020 23:57	WG1466619
Iodomethane	U		6.00	10.0	1	04/26/2020 23:57	WG1466619
Isopropylbenzene	U		0.105	0.500	1	04/26/2020 23:57	WG1466619
p-Isopropyltoluene	U		0.120	0.500	1	04/26/2020 23:57	WG1466619
2-Butanone (MEK)	U		1.19	5.00	1	04/26/2020 23:57	WG1466619
Methylene Chloride	U		0.430	2.50	1	04/26/2020 23:57	WG1466619
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/26/2020 23:57	WG1466619
Methyl tert-butyl ether	U		0.101	0.500	1	04/26/2020 23:57	WG1466619
Naphthalene	U		0.174	2.50	1	05/02/2020 14:07	WG1469464
n-Propylbenzene	U		0.0993	0.500	1	04/26/2020 23:57	WG1466619
Styrene	U		0.118	0.500	1	04/26/2020 23:57	WG1466619
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/26/2020 23:57	WG1466619
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/26/2020 23:57	WG1466619
1,1,2-Trichlorotrifluoroethane	0.446	J	0.180	0.500	1	04/26/2020 23:57	WG1466619
Tetrachloroethene	U		0.300	0.500	1	04/26/2020 23:57	WG1466619
Toluene	U		0.278	0.500	1	04/26/2020 23:57	WG1466619
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/26/2020 23:57	WG1466619
1,2,4-Trichlorobenzene	U	J0	0.481	1.00	1	04/26/2020 23:57	WG1466619
1,1,1-Trichloroethane	U		0.149	0.500	1	04/26/2020 23:57	WG1466619
1,1,2-Trichloroethane	U		0.158	0.500	1	04/26/2020 23:57	WG1466619
Trichloroethene	U		0.190	0.500	1	04/26/2020 23:57	WG1466619
Trichlorofluoromethane	U		0.160	2.50	1	04/26/2020 23:57	WG1466619
1,2,3-Trichloropropane	U		0.237	2.50	1	04/26/2020 23:57	WG1466619

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/26/2020 23:57	WG1466619
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 23:57	WG1466619
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 23:57	WG1466619
Vinyl acetate	U		0.692	5.00	1	04/26/2020 23:57	WG1466619
Vinyl chloride	U		0.234	0.500	1	04/26/2020 23:57	WG1466619
Xylenes, Total	U		0.174	1.50	1	04/26/2020 23:57	WG1466619
(S) Toluene-d8	*110*			*80.0-120*		*04/26/2020 23:57*	WG1466619
(S) Toluene-d8	*107*			*80.0-120*		*05/02/2020 14:07*	WG1469464
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*04/26/2020 23:57*	WG1466619
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*05/02/2020 14:07*	WG1469464
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*04/26/2020 23:57*	WG1466619
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/02/2020 14:07*	WG1469464

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	252000		8450	20000	1	04/27/2020 23:27	WG1466002

Sample Narrative:

L1211929-04 WG1466002: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	17200		379	1000	1	04/24/2020 16:26	WG1465822
Nitrate	U		48.0	100	1	04/24/2020 16:26	WG1465822
Sulfate	13300		594	5000	1	04/24/2020 16:26	WG1465822

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2770		102	1000	1	04/25/2020 19:28	WG1466185

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	13500		48.9	100	1	04/27/2020 00:40	WG1466428
Manganese	814		6.60	25.0	5	04/27/2020 13:38	WG1466428

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	267		0.287	0.678	1	04/28/2020 14:25	WG1467168
Ethane	10.1		0.296	1.29	1	04/28/2020 14:25	WG1467168
Ethene	U		0.422	1.27	1	04/28/2020 14:25	WG1467168

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	04/27/2020 00:17	WG1466619
Acrylonitrile	U		0.671	5.00	1	04/27/2020 00:17	WG1466619
Benzene	U		0.0941	0.500	1	04/27/2020 00:17	WG1466619
Bromobenzene	U		0.118	0.500	1	04/27/2020 00:17	WG1466619
Bromodichloromethane	U		0.136	0.500	1	04/27/2020 00:17	WG1466619
Bromochloromethane	U		0.128	0.500	1	04/27/2020 00:17	WG1466619
Bromoform	U		0.129	0.500	1	04/27/2020 00:17	WG1466619
Bromomethane	U		0.605	2.50	1	04/27/2020 00:17	WG1466619
n-Butylbenzene	U		0.157	0.500	1	04/27/2020 00:17	WG1466619
sec-Butylbenzene	U		0.125	0.500	1	04/27/2020 00:17	WG1466619
tert-Butylbenzene	U		0.127	0.500	1	04/27/2020 00:17	WG1466619
Carbon disulfide	U		0.0962	0.500	1	04/27/2020 00:17	WG1466619
Carbon tetrachloride	U		0.128	0.500	1	04/27/2020 00:17	WG1466619
Chlorobenzene	U		0.117	0.500	1	04/27/2020 00:17	WG1466619
Chlorodibromomethane	U		0.140	0.500	1	04/27/2020 00:17	WG1466619
Chloroethane	U		0.192	2.50	1	04/27/2020 00:17	WG1466619
Chloroform	U		0.111	0.500	1	04/27/2020 00:17	WG1466619
Chloromethane	U		0.960	1.25	1	04/27/2020 00:17	WG1466619
2-Chlorotoluene	U		0.106	0.500	1	04/27/2020 00:17	WG1466619
4-Chlorotoluene	U		0.114	0.500	1	04/27/2020 00:17	WG1466619

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/27/2020 00:17	WG1466619
1,2-Dibromoethane	U		0.126	0.500	1	04/27/2020 00:17	WG1466619
Dibromomethane	U		0.122	0.500	1	04/27/2020 00:17	WG1466619
1,2-Dichlorobenzene	U		0.107	0.500	1	04/27/2020 00:17	WG1466619
1,3-Dichlorobenzene	U		0.299	0.500	1	04/27/2020 00:17	WG1466619
1,4-Dichlorobenzene	U		0.120	0.500	1	04/27/2020 00:17	WG1466619
Dichlorodifluoromethane	U		0.374	2.50	1	04/27/2020 00:17	WG1466619
1,1-Dichloroethane	U		0.100	0.500	1	04/27/2020 00:17	WG1466619
1,2-Dichloroethane	U		0.0819	0.500	1	04/27/2020 00:17	WG1466619
1,1-Dichloroethene	0.305	J	0.188	0.500	1	04/27/2020 00:17	WG1466619
cis-1,2-Dichloroethene	12.8		0.126	0.500	1	04/27/2020 00:17	WG1466619
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/27/2020 00:17	WG1466619
1,2-Dichloropropane	U		0.149	0.500	1	04/27/2020 00:17	WG1466619
1,1-Dichloropropene	U		0.142	0.500	1	04/27/2020 00:17	WG1466619
1,3-Dichloropropane	U		0.109	1.00	1	04/27/2020 00:17	WG1466619
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/27/2020 00:17	WG1466619
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/27/2020 00:17	WG1466619
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/27/2020 00:17	WG1466619
2,2-Dichloropropane	U		0.161	0.500	1	04/27/2020 00:17	WG1466619
Di-isopropyl ether	U		0.105	0.500	1	04/27/2020 00:17	WG1466619
Ethylbenzene	U		0.137	0.500	1	04/27/2020 00:17	WG1466619
Hexachloro-1,3-butadiene	U	J0	0.337	1.00	1	04/27/2020 00:17	WG1466619
2-Hexanone	U		0.787	5.00	1	04/27/2020 00:17	WG1466619
n-Hexane	U		0.749	5.00	1	04/27/2020 00:17	WG1466619
Iodomethane	U		6.00	10.0	1	04/27/2020 00:17	WG1466619
Isopropylbenzene	U		0.105	0.500	1	04/27/2020 00:17	WG1466619
p-Isopropyltoluene	U		0.120	0.500	1	04/27/2020 00:17	WG1466619
2-Butanone (MEK)	U		1.19	5.00	1	04/27/2020 00:17	WG1466619
Methylene Chloride	U		0.430	2.50	1	04/27/2020 00:17	WG1466619
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/27/2020 00:17	WG1466619
Methyl tert-butyl ether	U		0.101	0.500	1	04/27/2020 00:17	WG1466619
Naphthalene	U	J0	0.174	2.50	1	04/27/2020 00:17	WG1466619
n-Propylbenzene	U		0.0993	0.500	1	04/27/2020 00:17	WG1466619
Styrene	U		0.118	0.500	1	04/27/2020 00:17	WG1466619
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/27/2020 00:17	WG1466619
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/27/2020 00:17	WG1466619
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/27/2020 00:17	WG1466619
Tetrachloroethene	U		0.300	0.500	1	04/27/2020 00:17	WG1466619
Toluene	U		0.278	0.500	1	04/27/2020 00:17	WG1466619
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/27/2020 00:17	WG1466619
1,2,4-Trichlorobenzene	U	J0	0.481	1.00	1	04/27/2020 00:17	WG1466619
1,1,1-Trichloroethane	U		0.149	0.500	1	04/27/2020 00:17	WG1466619
1,1,2-Trichloroethane	U		0.158	0.500	1	04/27/2020 00:17	WG1466619
Trichloroethene	0.233	J	0.190	0.500	1	04/27/2020 00:17	WG1466619
Trichlorofluoromethane	U		0.160	2.50	1	04/27/2020 00:17	WG1466619
1,2,3-Trichloropropane	U		0.237	2.50	1	04/27/2020 00:17	WG1466619
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/27/2020 00:17	WG1466619
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/27/2020 00:17	WG1466619
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/27/2020 00:17	WG1466619
Vinyl acetate	U		0.692	5.00	1	04/27/2020 00:17	WG1466619
Vinyl chloride	4.80		0.234	0.500	1	04/27/2020 00:17	WG1466619
Xylenes, Total	U		0.174	1.50	1	04/27/2020 00:17	WG1466619
(S) Toluene-d8	*109*			*80.0-120*		*04/27/2020 00:17*	WG1466619
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*04/27/2020 00:17*	WG1466619
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*04/27/2020 00:17*	WG1466619

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	287000		8450	20000	1	04/27/2020 23:35	WG1466002

Sample Narrative:

L1211929-05 WG1466002: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	21300		379	1000	1	04/24/2020 16:39	WG1465822
Nitrate	U		48.0	100	1	04/24/2020 16:39	WG1465822
Sulfate	110000		2970	25000	5	04/24/2020 17:17	WG1465822

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3180		102	1000	1	04/25/2020 21:12	WG1466185

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2240		48.9	100	1	04/27/2020 00:44	WG1466428
Manganese	621		6.60	25.0	5	04/27/2020 13:42	WG1466428

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	481	B	31.6	100	1	04/25/2020 14:48	WG1466240
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*04/25/2020 14:48*	WG1466240

Sample Narrative:

L1211929-05 WG1466240: No discernable petroleum pattern present.

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	34.8		0.287	0.678	1	04/28/2020 14:29	WG1467168
Ethane	U		0.296	1.29	1	04/28/2020 14:29	WG1467168
Ethene	U		0.422	1.27	1	04/28/2020 14:29	WG1467168

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	04/27/2020 00:38	WG1466619
Acrylonitrile	U		0.671	5.00	1	04/27/2020 00:38	WG1466619
Benzene	U		0.0941	0.500	1	04/27/2020 00:38	WG1466619
Bromobenzene	U		0.118	0.500	1	04/27/2020 00:38	WG1466619
Bromodichloromethane	U		0.136	0.500	1	04/27/2020 00:38	WG1466619
Bromochloromethane	U		0.128	0.500	1	04/27/2020 00:38	WG1466619
Bromoform	U		0.129	0.500	1	04/27/2020 00:38	WG1466619
Bromomethane	U		0.605	2.50	1	04/27/2020 00:38	WG1466619
n-Butylbenzene	U		0.157	0.500	1	04/27/2020 00:38	WG1466619
sec-Butylbenzene	U		0.125	0.500	1	04/27/2020 00:38	WG1466619

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
tert-Butylbenzene	U		0.127	0.500	1	04/27/2020 00:38	WG1466619
Carbon disulfide	U		0.0962	0.500	1	04/27/2020 00:38	WG1466619
Carbon tetrachloride	U		0.128	0.500	1	04/27/2020 00:38	WG1466619
Chlorobenzene	U		0.117	0.500	1	04/27/2020 00:38	WG1466619
Chlorodibromomethane	U		0.140	0.500	1	04/27/2020 00:38	WG1466619
Chloroethane	U		0.192	2.50	1	04/27/2020 00:38	WG1466619
Chloroform	U		0.111	0.500	1	04/27/2020 00:38	WG1466619
Chloromethane	U		0.960	1.25	1	04/27/2020 00:38	WG1466619
2-Chlorotoluene	U		0.106	0.500	1	04/27/2020 00:38	WG1466619
4-Chlorotoluene	U		0.114	0.500	1	04/27/2020 00:38	WG1466619
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/27/2020 00:38	WG1466619
1,2-Dibromoethane	U		0.126	0.500	1	04/27/2020 00:38	WG1466619
Dibromomethane	U		0.122	0.500	1	04/27/2020 00:38	WG1466619
1,2-Dichlorobenzene	U		0.107	0.500	1	04/27/2020 00:38	WG1466619
1,3-Dichlorobenzene	U		0.299	0.500	1	04/27/2020 00:38	WG1466619
1,4-Dichlorobenzene	U		0.120	0.500	1	04/27/2020 00:38	WG1466619
Dichlorodifluoromethane	U		0.374	2.50	1	04/27/2020 00:38	WG1466619
1,1-Dichloroethane	1.47		0.100	0.500	1	04/27/2020 00:38	WG1466619
1,2-Dichloroethane	U		0.0819	0.500	1	04/27/2020 00:38	WG1466619
1,1-Dichloroethene	0.341	J	0.188	0.500	1	04/27/2020 00:38	WG1466619
cis-1,2-Dichloroethene	41.0		0.126	0.500	1	04/27/2020 00:38	WG1466619
trans-1,2-Dichloroethene	0.154	J	0.149	0.500	1	04/27/2020 00:38	WG1466619
1,2-Dichloropropane	1.07		0.149	0.500	1	04/27/2020 00:38	WG1466619
1,1-Dichloropropene	U		0.142	0.500	1	04/27/2020 00:38	WG1466619
1,3-Dichloropropane	U		0.109	1.00	1	04/27/2020 00:38	WG1466619
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/27/2020 00:38	WG1466619
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/27/2020 00:38	WG1466619
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/27/2020 00:38	WG1466619
2,2-Dichloropropane	U		0.161	0.500	1	04/27/2020 00:38	WG1466619
Di-isopropyl ether	U		0.105	0.500	1	04/27/2020 00:38	WG1466619
Ethylbenzene	U		0.137	0.500	1	04/27/2020 00:38	WG1466619
Hexachloro-1,3-butadiene	U	J0	0.337	1.00	1	04/27/2020 00:38	WG1466619
2-Hexanone	U		0.787	5.00	1	04/27/2020 00:38	WG1466619
n-Hexane	U		0.749	5.00	1	04/27/2020 00:38	WG1466619
Iodomethane	U		6.00	10.0	1	04/27/2020 00:38	WG1466619
Isopropylbenzene	U		0.105	0.500	1	04/27/2020 00:38	WG1466619
p-Isopropyltoluene	U		0.120	0.500	1	04/27/2020 00:38	WG1466619
2-Butanone (MEK)	U		1.19	5.00	1	04/27/2020 00:38	WG1466619
Methylene Chloride	U		0.430	2.50	1	04/27/2020 00:38	WG1466619
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/27/2020 00:38	WG1466619
Methyl tert-butyl ether	U		0.101	0.500	1	04/27/2020 00:38	WG1466619
Naphthalene	U	J0	0.174	2.50	1	04/27/2020 00:38	WG1466619
n-Propylbenzene	U		0.0993	0.500	1	04/27/2020 00:38	WG1466619
Styrene	U		0.118	0.500	1	04/27/2020 00:38	WG1466619
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/27/2020 00:38	WG1466619
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/27/2020 00:38	WG1466619
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/27/2020 00:38	WG1466619
Tetrachloroethene	39.7		0.300	0.500	1	04/27/2020 00:38	WG1466619
Toluene	U		0.278	0.500	1	04/27/2020 00:38	WG1466619
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/27/2020 00:38	WG1466619
1,2,4-Trichlorobenzene	U	J0	0.481	1.00	1	04/27/2020 00:38	WG1466619
1,1,1-Trichloroethane	U		0.149	0.500	1	04/27/2020 00:38	WG1466619
1,1,2-Trichloroethane	U		0.158	0.500	1	04/27/2020 00:38	WG1466619
Trichloroethene	15.4		0.190	0.500	1	04/27/2020 00:38	WG1466619
Trichlorofluoromethane	U		0.160	2.50	1	04/27/2020 00:38	WG1466619
1,2,3-Trichloropropane	U		0.237	2.50	1	04/27/2020 00:38	WG1466619

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/27/2020 00:38	WG1466619
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/27/2020 00:38	WG1466619
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/27/2020 00:38	WG1466619
Vinyl acetate	U		0.692	5.00	1	04/27/2020 00:38	WG1466619
Vinyl chloride	2.92		0.234	0.500	1	04/27/2020 00:38	WG1466619
Xylenes, Total	U		0.174	1.50	1	04/27/2020 00:38	WG1466619
(S) Toluene-d8	*107*			*80.0-120*		*04/27/2020 00:38*	WG1466619
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*04/27/2020 00:38*	WG1466619
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*04/27/2020 00:38*	WG1466619

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	U		8450	20000	1	04/28/2020 02:31	WG1466002

Sample Narrative:

L1211929-06 WG1466002: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	U		379	1000	1	04/24/2020 17:30	WG1465822
Nitrate	U		48.0	100	1	04/24/2020 17:30	WG1465822
Sulfate	U		594	5000	1	04/24/2020 17:30	WG1465822

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	469	B J	102	1000	1	04/25/2020 21:25	WG1466185

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	U		48.9	100	1	04/27/2020 00:11	WG1466428
Manganese	U		1.32	5.00	1	04/27/2020 00:11	WG1466428

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	76.4	B J	31.6	100	1	04/25/2020 13:37	WG1466240
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*04/25/2020 13:37*	WG1466240

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	04/29/2020 11:22	WG1467817
Ethane	U		0.296	1.29	1	04/29/2020 11:22	WG1467817
Ethene	U		0.422	1.27	1	04/29/2020 11:22	WG1467817

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	04/26/2020 20:34	WG1466619
Acrylonitrile	U		0.671	5.00	1	04/26/2020 20:34	WG1466619
Benzene	U		0.0941	0.500	1	04/26/2020 20:34	WG1466619
Bromobenzene	U		0.118	0.500	1	04/26/2020 20:34	WG1466619
Bromodichloromethane	U		0.136	0.500	1	04/26/2020 20:34	WG1466619
Bromochloromethane	U		0.128	0.500	1	04/26/2020 20:34	WG1466619
Bromoform	U		0.129	0.500	1	04/26/2020 20:34	WG1466619
Bromomethane	U		0.605	2.50	1	04/26/2020 20:34	WG1466619
n-Butylbenzene	U		0.157	0.500	1	04/26/2020 20:34	WG1466619
sec-Butylbenzene	U		0.125	0.500	1	04/26/2020 20:34	WG1466619
tert-Butylbenzene	U		0.127	0.500	1	04/26/2020 20:34	WG1466619
Carbon disulfide	U		0.0962	0.500	1	04/26/2020 20:34	WG1466619
Carbon tetrachloride	U		0.128	0.500	1	04/26/2020 20:34	WG1466619

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.117	0.500	1	04/26/2020 20:34	WG1466619
Chlorodibromomethane	U		0.140	0.500	1	04/26/2020 20:34	WG1466619
Chloroethane	U		0.192	2.50	1	04/26/2020 20:34	WG1466619
Chloroform	U		0.111	0.500	1	04/26/2020 20:34	WG1466619
Chloromethane	U		0.960	1.25	1	04/26/2020 20:34	WG1466619
2-Chlorotoluene	U		0.106	0.500	1	04/26/2020 20:34	WG1466619
4-Chlorotoluene	U		0.114	0.500	1	04/26/2020 20:34	WG1466619
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/26/2020 20:34	WG1466619
1,2-Dibromoethane	U		0.126	0.500	1	04/26/2020 20:34	WG1466619
Dibromomethane	U		0.122	0.500	1	04/26/2020 20:34	WG1466619
1,2-Dichlorobenzene	U		0.107	0.500	1	04/26/2020 20:34	WG1466619
1,3-Dichlorobenzene	U		0.299	0.500	1	04/26/2020 20:34	WG1466619
1,4-Dichlorobenzene	U		0.120	0.500	1	04/26/2020 20:34	WG1466619
Dichlorodifluoromethane	U		0.374	2.50	1	04/26/2020 20:34	WG1466619
1,1-Dichloroethane	U		0.100	0.500	1	04/26/2020 20:34	WG1466619
1,2-Dichloroethane	U		0.0819	0.500	1	04/26/2020 20:34	WG1466619
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2020 20:34	WG1466619
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/26/2020 20:34	WG1466619
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/26/2020 20:34	WG1466619
1,2-Dichloropropane	U		0.149	0.500	1	04/26/2020 20:34	WG1466619
1,1-Dichloropropene	U		0.142	0.500	1	04/26/2020 20:34	WG1466619
1,3-Dichloropropane	U		0.109	1.00	1	04/26/2020 20:34	WG1466619
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/26/2020 20:34	WG1466619
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/26/2020 20:34	WG1466619
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/26/2020 20:34	WG1466619
2,2-Dichloropropane	U		0.161	0.500	1	04/26/2020 20:34	WG1466619
Di-isopropyl ether	U		0.105	0.500	1	04/26/2020 20:34	WG1466619
Ethylbenzene	U		0.137	0.500	1	04/26/2020 20:34	WG1466619
Hexachloro-1,3-butadiene	U	J0	0.337	1.00	1	04/26/2020 20:34	WG1466619
2-Hexanone	U		0.787	5.00	1	04/26/2020 20:34	WG1466619
n-Hexane	U		0.749	5.00	1	04/26/2020 20:34	WG1466619
Iodomethane	U		6.00	10.0	1	04/26/2020 20:34	WG1466619
Isopropylbenzene	U		0.105	0.500	1	04/26/2020 20:34	WG1466619
p-Isopropyltoluene	U		0.120	0.500	1	04/26/2020 20:34	WG1466619
2-Butanone (MEK)	U		1.19	5.00	1	04/26/2020 20:34	WG1466619
Methylene Chloride	U		0.430	2.50	1	04/26/2020 20:34	WG1466619
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/26/2020 20:34	WG1466619
Methyl tert-butyl ether	U		0.101	0.500	1	04/26/2020 20:34	WG1466619
Naphthalene	U	J0	0.174	2.50	1	04/26/2020 20:34	WG1466619
n-Propylbenzene	U		0.0993	0.500	1	04/26/2020 20:34	WG1466619
Styrene	U		0.118	0.500	1	04/26/2020 20:34	WG1466619
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/26/2020 20:34	WG1466619
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/26/2020 20:34	WG1466619
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/26/2020 20:34	WG1466619
Tetrachloroethene	U		0.300	0.500	1	04/26/2020 20:34	WG1466619
Toluene	U		0.278	0.500	1	04/26/2020 20:34	WG1466619
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/26/2020 20:34	WG1466619
1,2,4-Trichlorobenzene	U	J0	0.481	1.00	1	04/26/2020 20:34	WG1466619
1,1,1-Trichloroethane	U		0.149	0.500	1	04/26/2020 20:34	WG1466619
1,1,2-Trichloroethane	U		0.158	0.500	1	04/26/2020 20:34	WG1466619
Trichloroethene	U		0.190	0.500	1	04/26/2020 20:34	WG1466619
Trichlorofluoromethane	U		0.160	2.50	1	04/26/2020 20:34	WG1466619
1,2,3-Trichloropropane	U		0.237	2.50	1	04/26/2020 20:34	WG1466619
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/26/2020 20:34	WG1466619
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 20:34	WG1466619
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 20:34	WG1466619

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.692	5.00	1	04/26/2020 20:34	WG1466619
Vinyl chloride	U		0.234	0.500	1	04/26/2020 20:34	WG1466619
Xylenes, Total	U		0.174	1.50	1	04/26/2020 20:34	WG1466619
(S) Toluene-d8	*109*			*80.0-120*		*04/26/2020 20:34*	WG1466619
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*04/26/2020 20:34*	WG1466619
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*04/26/2020 20:34*	WG1466619

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	259000		8450	20000	1	04/27/2020 23:52	WG1466002

Sample Narrative:

L1211929-07 WG1466002: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	38300		379	1000	1	04/24/2020 17:43	WG1465822
Nitrate	U		48.0	100	1	04/24/2020 17:43	WG1465822
Sulfate	26500		594	5000	1	04/24/2020 17:43	WG1465822

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1880	B	102	1000	1	04/25/2020 22:29	WG1466185

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	22500		48.9	100	1	04/27/2020 00:47	WG1466428
Manganese	694		6.60	25.0	5	04/27/2020 13:54	WG1466428

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	447		0.287	0.678	1	04/29/2020 11:29	WG1467817
Ethane	38.7		0.296	1.29	1	04/29/2020 11:29	WG1467817
Ethene	23.3		0.422	1.27	1	04/29/2020 11:29	WG1467817

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	25.0	1	04/27/2020 00:58	WG1466619
Acrylonitrile	U		0.671	5.00	1	04/27/2020 00:58	WG1466619
Benzene	U		0.0941	0.500	1	04/27/2020 00:58	WG1466619
Bromobenzene	U		0.118	0.500	1	04/27/2020 00:58	WG1466619
Bromodichloromethane	U		0.136	0.500	1	04/27/2020 00:58	WG1466619
Bromochloromethane	U		0.128	0.500	1	04/27/2020 00:58	WG1466619
Bromoform	U		0.129	0.500	1	04/27/2020 00:58	WG1466619
Bromomethane	U		0.605	2.50	1	04/27/2020 00:58	WG1466619
n-Butylbenzene	U		0.157	0.500	1	04/27/2020 00:58	WG1466619
sec-Butylbenzene	U		0.125	0.500	1	04/27/2020 00:58	WG1466619
tert-Butylbenzene	U		0.127	0.500	1	04/27/2020 00:58	WG1466619
Carbon disulfide	U		0.0962	0.500	1	04/27/2020 00:58	WG1466619
Carbon tetrachloride	U		0.128	0.500	1	04/27/2020 00:58	WG1466619
Chlorobenzene	U		0.117	0.500	1	04/27/2020 00:58	WG1466619
Chlorodibromomethane	U		0.140	0.500	1	04/27/2020 00:58	WG1466619
Chloroethane	U		0.192	2.50	1	04/27/2020 00:58	WG1466619
Chloroform	U		0.111	0.500	1	04/27/2020 00:58	WG1466619
Chloromethane	U		0.960	1.25	1	04/27/2020 00:58	WG1466619
2-Chlorotoluene	U		0.106	0.500	1	04/27/2020 00:58	WG1466619
4-Chlorotoluene	U		0.114	0.500	1	04/27/2020 00:58	WG1466619

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/27/2020 00:58	WG1466619
1,2-Dibromoethane	U		0.126	0.500	1	04/27/2020 00:58	WG1466619
Dibromomethane	U		0.122	0.500	1	04/27/2020 00:58	WG1466619
1,2-Dichlorobenzene	U		0.107	0.500	1	04/27/2020 00:58	WG1466619
1,3-Dichlorobenzene	U		0.299	0.500	1	04/27/2020 00:58	WG1466619
1,4-Dichlorobenzene	U		0.120	0.500	1	04/27/2020 00:58	WG1466619
Dichlorodifluoromethane	U		0.374	2.50	1	04/27/2020 00:58	WG1466619
1,1-Dichloroethane	U		0.100	0.500	1	04/27/2020 00:58	WG1466619
1,2-Dichloroethane	U		0.0819	0.500	1	04/27/2020 00:58	WG1466619
1,1-Dichloroethene	U		0.188	0.500	1	04/27/2020 00:58	WG1466619
cis-1,2-Dichloroethene	24.3		0.126	0.500	1	04/27/2020 00:58	WG1466619
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/27/2020 00:58	WG1466619
1,2-Dichloropropane	U		0.149	0.500	1	04/27/2020 00:58	WG1466619
1,1-Dichloropropene	U		0.142	0.500	1	04/27/2020 00:58	WG1466619
1,3-Dichloropropane	U		0.109	1.00	1	04/27/2020 00:58	WG1466619
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/27/2020 00:58	WG1466619
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/27/2020 00:58	WG1466619
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/27/2020 00:58	WG1466619
2,2-Dichloropropane	U		0.161	0.500	1	04/27/2020 00:58	WG1466619
Di-isopropyl ether	U		0.105	0.500	1	04/27/2020 00:58	WG1466619
Ethylbenzene	U		0.137	0.500	1	04/27/2020 00:58	WG1466619
Hexachloro-1,3-butadiene	U	J0	0.337	1.00	1	04/27/2020 00:58	WG1466619
2-Hexanone	U		0.787	5.00	1	04/27/2020 00:58	WG1466619
n-Hexane	U		0.749	5.00	1	04/27/2020 00:58	WG1466619
Iodomethane	U		6.00	10.0	1	04/27/2020 00:58	WG1466619
Isopropylbenzene	U		0.105	0.500	1	04/27/2020 00:58	WG1466619
p-Isopropyltoluene	U		0.120	0.500	1	04/27/2020 00:58	WG1466619
2-Butanone (MEK)	U		1.19	5.00	1	04/27/2020 00:58	WG1466619
Methylene Chloride	U		0.430	2.50	1	04/27/2020 00:58	WG1466619
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/27/2020 00:58	WG1466619
Methyl tert-butyl ether	U		0.101	0.500	1	04/27/2020 00:58	WG1466619
Naphthalene	U	J0	0.174	2.50	1	04/27/2020 00:58	WG1466619
n-Propylbenzene	U		0.0993	0.500	1	04/27/2020 00:58	WG1466619
Styrene	U		0.118	0.500	1	04/27/2020 00:58	WG1466619
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/27/2020 00:58	WG1466619
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/27/2020 00:58	WG1466619
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/27/2020 00:58	WG1466619
Tetrachloroethene	U		0.300	0.500	1	04/27/2020 00:58	WG1466619
Toluene	U		0.278	0.500	1	04/27/2020 00:58	WG1466619
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/27/2020 00:58	WG1466619
1,2,4-Trichlorobenzene	U	J0	0.481	1.00	1	04/27/2020 00:58	WG1466619
1,1,1-Trichloroethane	U		0.149	0.500	1	04/27/2020 00:58	WG1466619
1,1,2-Trichloroethane	U		0.158	0.500	1	04/27/2020 00:58	WG1466619
Trichloroethene	U		0.190	0.500	1	04/27/2020 00:58	WG1466619
Trichlorofluoromethane	U		0.160	2.50	1	04/27/2020 00:58	WG1466619
1,2,3-Trichloropropane	U		0.237	2.50	1	04/27/2020 00:58	WG1466619
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/27/2020 00:58	WG1466619
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/27/2020 00:58	WG1466619
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/27/2020 00:58	WG1466619
Vinyl acetate	U		0.692	5.00	1	04/27/2020 00:58	WG1466619
Vinyl chloride	112		0.234	0.500	1	04/27/2020 00:58	WG1466619
Xylenes, Total	U		0.174	1.50	1	04/27/2020 00:58	WG1466619
(S) Toluene-d8	*107*			*80.0-120*		*04/27/2020 00:58*	WG1466619
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*04/27/2020 00:58*	WG1466619
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/27/2020 00:58*	WG1466619

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	320000		8450	20000	1	04/28/2020 00:00	WG1466002

Sample Narrative:

L1211929-08 WG1466002: Endpoint pH 4.5 headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	25300		379	1000	1	04/24/2020 17:56	WG1465822
Nitrate	U		48.0	100	1	04/24/2020 17:56	WG1465822
Sulfate	24500		594	5000	1	04/24/2020 17:56	WG1465822

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1710	B	102	1000	1	04/25/2020 22:45	WG1466185

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	2730		48.9	100	1	04/27/2020 00:50	WG1466428
Manganese	878		6.60	25.0	5	04/27/2020 13:58	WG1466428

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	69.8		0.287	0.678	1	04/29/2020 13:08	WG1467817
Ethane	U		0.296	1.29	1	04/29/2020 13:08	WG1467817
Ethene	U		0.422	1.27	1	04/29/2020 13:08	WG1467817

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	25.0	1	05/02/2020 14:27	WG1469464
Acrylonitrile	U		0.671	5.00	1	05/02/2020 14:27	WG1469464
Benzene	U		0.0941	0.500	1	05/02/2020 14:27	WG1469464
Bromobenzene	U		0.118	0.500	1	05/02/2020 14:27	WG1469464
Bromodichloromethane	U		0.136	0.500	1	05/02/2020 14:27	WG1469464
Bromochloromethane	U		0.128	0.500	1	05/02/2020 14:27	WG1469464
Bromoform	U		0.129	0.500	1	05/02/2020 14:27	WG1469464
Bromomethane	U		0.605	2.50	1	05/02/2020 14:27	WG1469464
n-Butylbenzene	U		0.157	0.500	1	05/02/2020 14:27	WG1469464
sec-Butylbenzene	U		0.125	0.500	1	05/02/2020 14:27	WG1469464
tert-Butylbenzene	U		0.127	0.500	1	05/02/2020 14:27	WG1469464
Carbon disulfide	U		0.0962	0.500	1	05/02/2020 14:27	WG1469464
Carbon tetrachloride	U		0.128	0.500	1	05/02/2020 14:27	WG1469464
Chlorobenzene	U		0.117	0.500	1	05/02/2020 14:27	WG1469464
Chlorodibromomethane	U		0.140	0.500	1	05/02/2020 14:27	WG1469464
Chloroethane	U		0.192	2.50	1	05/02/2020 14:27	WG1469464
Chloroform	U		0.111	0.500	1	05/02/2020 14:27	WG1469464
Chloromethane	U		0.960	1.25	1	05/02/2020 14:27	WG1469464
2-Chlorotoluene	U		0.106	0.500	1	05/02/2020 14:27	WG1469464
4-Chlorotoluene	U		0.114	0.500	1	05/02/2020 14:27	WG1469464

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2020 14:27	WG1469464
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2020 14:27	WG1469464
Dibromomethane	U		0.122	0.500	1	05/02/2020 14:27	WG1469464
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2020 14:27	WG1469464
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2020 14:27	WG1469464
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2020 14:27	WG1469464
Dichlorodifluoromethane	U		0.374	2.50	1	05/02/2020 14:27	WG1469464
1,1-Dichloroethane	U		0.100	0.500	1	05/02/2020 14:27	WG1469464
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2020 14:27	WG1469464
1,1-Dichloroethene	U		0.188	0.500	1	05/02/2020 14:27	WG1469464
cis-1,2-Dichloroethene	5.11		0.126	0.500	1	05/02/2020 14:27	WG1469464
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/02/2020 14:27	WG1469464
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2020 14:27	WG1469464
1,1-Dichloropropene	U		0.142	0.500	1	05/02/2020 14:27	WG1469464
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2020 14:27	WG1469464
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2020 14:27	WG1469464
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2020 14:27	WG1469464
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2020 14:27	WG1469464
2,2-Dichloropropane	U		0.161	0.500	1	05/02/2020 14:27	WG1469464
Di-isopropyl ether	U		0.105	0.500	1	05/02/2020 14:27	WG1469464
Ethylbenzene	U		0.137	0.500	1	05/02/2020 14:27	WG1469464
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/02/2020 14:27	WG1469464
2-Hexanone	U		0.787	5.00	1	05/02/2020 14:27	WG1469464
n-Hexane	U		0.749	5.00	1	05/02/2020 14:27	WG1469464
Iodomethane	U		6.00	10.0	1	05/02/2020 14:27	WG1469464
Isopropylbenzene	U		0.105	0.500	1	05/02/2020 14:27	WG1469464
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2020 14:27	WG1469464
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2020 14:27	WG1469464
Methylene Chloride	U		0.430	2.50	1	05/02/2020 14:27	WG1469464
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2020 14:27	WG1469464
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2020 14:27	WG1469464
Naphthalene	U		0.174	2.50	1	05/02/2020 14:27	WG1469464
n-Propylbenzene	U		0.0993	0.500	1	05/02/2020 14:27	WG1469464
Styrene	U		0.118	0.500	1	05/02/2020 14:27	WG1469464
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2020 14:27	WG1469464
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2020 14:27	WG1469464
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/02/2020 14:27	WG1469464
Tetrachloroethene	U		0.300	0.500	1	05/02/2020 14:27	WG1469464
Toluene	U		0.278	0.500	1	05/02/2020 14:27	WG1469464
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/02/2020 14:27	WG1469464
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/02/2020 14:27	WG1469464
1,1,1-Trichloroethane	U		0.149	0.500	1	05/02/2020 14:27	WG1469464
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2020 14:27	WG1469464
Trichloroethene	U		0.190	0.500	1	05/02/2020 14:27	WG1469464
Trichlorofluoromethane	U		0.160	2.50	1	05/02/2020 14:27	WG1469464
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2020 14:27	WG1469464
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2020 14:27	WG1469464
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2020 14:27	WG1469464
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2020 14:27	WG1469464
Vinyl acetate	U		0.692	5.00	1	05/02/2020 14:27	WG1469464
Vinyl chloride	4.14		0.234	0.500	1	05/02/2020 14:27	WG1469464
Xylenes, Total	U		0.174	1.50	1	05/02/2020 14:27	WG1469464
(S) Toluene-d8	*107*			*80.0-120*		*05/02/2020 14:27*	WG1469464
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*05/02/2020 14:27*	WG1469464
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/02/2020 14:27*	WG1469464

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	73.5	B J	31.6	100	1	04/25/2020 13:59	WG1466240
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*04/25/2020 13:59*	WG1466240

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	25.0	1	04/26/2020 19:53	WG1466619
Acrylonitrile	U		0.671	5.00	1	04/26/2020 19:53	WG1466619
Benzene	0.138	J	0.0941	0.500	1	04/26/2020 19:53	WG1466619
Bromobenzene	U		0.118	0.500	1	04/26/2020 19:53	WG1466619
Bromodichloromethane	U		0.136	0.500	1	04/26/2020 19:53	WG1466619
Bromochloromethane	U		0.128	0.500	1	04/26/2020 19:53	WG1466619
Bromoform	U		0.129	0.500	1	04/26/2020 19:53	WG1466619
Bromomethane	U		0.605	2.50	1	04/26/2020 19:53	WG1466619
n-Butylbenzene	U		0.157	0.500	1	04/26/2020 19:53	WG1466619
sec-Butylbenzene	U		0.125	0.500	1	04/26/2020 19:53	WG1466619
tert-Butylbenzene	U		0.127	0.500	1	04/26/2020 19:53	WG1466619
Carbon disulfide	U		0.0962	0.500	1	04/26/2020 19:53	WG1466619
Carbon tetrachloride	U		0.128	0.500	1	04/26/2020 19:53	WG1466619
Chlorobenzene	U		0.117	0.500	1	04/26/2020 19:53	WG1466619
Chlorodibromomethane	U		0.140	0.500	1	04/26/2020 19:53	WG1466619
Chloroethane	U		0.192	2.50	1	04/26/2020 19:53	WG1466619
Chloroform	U		0.111	0.500	1	04/26/2020 19:53	WG1466619
Chloromethane	U		0.960	1.25	1	04/26/2020 19:53	WG1466619
2-Chlorotoluene	U		0.106	0.500	1	04/26/2020 19:53	WG1466619
4-Chlorotoluene	U		0.114	0.500	1	04/26/2020 19:53	WG1466619
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/26/2020 19:53	WG1466619
1,2-Dibromoethane	U		0.126	0.500	1	04/26/2020 19:53	WG1466619
Dibromomethane	U		0.122	0.500	1	04/26/2020 19:53	WG1466619
1,2-Dichlorobenzene	U		0.107	0.500	1	04/26/2020 19:53	WG1466619
1,3-Dichlorobenzene	U		0.299	0.500	1	04/26/2020 19:53	WG1466619
1,4-Dichlorobenzene	U		0.120	0.500	1	04/26/2020 19:53	WG1466619
Dichlorodifluoromethane	U		0.374	2.50	1	04/26/2020 19:53	WG1466619
1,1-Dichloroethane	U		0.100	0.500	1	04/26/2020 19:53	WG1466619
1,2-Dichloroethane	U		0.0819	0.500	1	04/26/2020 19:53	WG1466619
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2020 19:53	WG1466619
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/26/2020 19:53	WG1466619
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/26/2020 19:53	WG1466619
1,2-Dichloropropane	U		0.149	0.500	1	04/26/2020 19:53	WG1466619
1,1-Dichloropropene	U		0.142	0.500	1	04/26/2020 19:53	WG1466619
1,3-Dichloropropane	U		0.109	1.00	1	04/26/2020 19:53	WG1466619
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/26/2020 19:53	WG1466619
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/26/2020 19:53	WG1466619
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/26/2020 19:53	WG1466619
2,2-Dichloropropane	U		0.161	0.500	1	04/26/2020 19:53	WG1466619
Di-isopropyl ether	U		0.105	0.500	1	04/26/2020 19:53	WG1466619
Ethylbenzene	U		0.137	0.500	1	04/26/2020 19:53	WG1466619
Hexachloro-1,3-butadiene	U	J0	0.337	1.00	1	04/26/2020 19:53	WG1466619
2-Hexanone	U		0.787	5.00	1	04/26/2020 19:53	WG1466619
n-Hexane	U		0.749	5.00	1	04/26/2020 19:53	WG1466619
Iodomethane	U		6.00	10.0	1	04/26/2020 19:53	WG1466619
Isopropylbenzene	U		0.105	0.500	1	04/26/2020 19:53	WG1466619
p-Isopropyltoluene	U		0.120	0.500	1	04/26/2020 19:53	WG1466619
2-Butanone (MEK)	U		1.19	5.00	1	04/26/2020 19:53	WG1466619

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	04/26/2020 19:53	WG1466619
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/26/2020 19:53	WG1466619
Methyl tert-butyl ether	U		0.101	0.500	1	04/26/2020 19:53	WG1466619
Naphthalene	U		0.174	2.50	1	05/03/2020 16:29	WG1469904
n-Propylbenzene	U		0.0993	0.500	1	04/26/2020 19:53	WG1466619
Styrene	U		0.118	0.500	1	04/26/2020 19:53	WG1466619
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/26/2020 19:53	WG1466619
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/26/2020 19:53	WG1466619
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/26/2020 19:53	WG1466619
Tetrachloroethene	U		0.300	0.500	1	04/26/2020 19:53	WG1466619
Toluene	U		0.278	0.500	1	04/26/2020 19:53	WG1466619
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/26/2020 19:53	WG1466619
1,2,4-Trichlorobenzene	U	J0	0.481	1.00	1	04/26/2020 19:53	WG1466619
1,1,1-Trichloroethane	U		0.149	0.500	1	04/26/2020 19:53	WG1466619
1,1,2-Trichloroethane	U		0.158	0.500	1	04/26/2020 19:53	WG1466619
Trichloroethene	U		0.190	0.500	1	04/26/2020 19:53	WG1466619
Trichlorofluoromethane	U		0.160	2.50	1	04/26/2020 19:53	WG1466619
1,2,3-Trichloropropane	U		0.237	2.50	1	04/26/2020 19:53	WG1466619
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/26/2020 19:53	WG1466619
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 19:53	WG1466619
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/26/2020 19:53	WG1466619
Vinyl acetate	U		0.692	5.00	1	04/26/2020 19:53	WG1466619
Vinyl chloride	U		0.234	0.500	1	04/26/2020 19:53	WG1466619
Xylenes, Total	0.282	J	0.174	1.50	1	04/26/2020 19:53	WG1466619
(S) Toluene-d8	*105*			*80.0-120*		*04/26/2020 19:53*	WG1466619
(S) Toluene-d8	*105*			*80.0-120*		*05/03/2020 16:29*	WG1469904
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*04/26/2020 19:53*	WG1466619
(S) 4-Bromofluorobenzene	*96.6*			*77.0-126*		*05/03/2020 16:29*	WG1469904
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*04/26/2020 19:53*	WG1466619
(S) 1,2-Dichloroethane-d4	*95.3*			*70.0-130*		*05/03/2020 16:29*	WG1469904

Method Blank (MB)

(MB) R3522461-1 04/27/20 14:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	U		8450	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1211870-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1211870-11 04/27/20 14:44 • (DUP) R3522461-3 04/27/20 14:51

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	68000	68000	1	0.0330		20

Sample Narrative:

OS: Endpoint pH 4.5 CO2

DUP: Endpoint pH 4.5

L1211908-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1211908-08 04/27/20 18:38 • (DUP) R3522461-7 04/27/20 18:47

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	417000	416000	1	0.198		20

Sample Narrative:

OS: Endpoint pH 4.5 CO2

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3522461-5 04/27/20 16:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	107000	107	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3522596-1 04/27/20 19:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	U		8450	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1211870-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1211870-04 04/27/20 21:58 • (DUP) R3522596-3 04/27/20 22:49

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

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

L1212119-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1212119-01 04/28/20 00:13 • (DUP) R3522596-6 04/28/20 00:24

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	78800	76600	1	2.88		20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3522596-5 04/27/20 23:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	104000	104	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3521819-1 04/24/20 12:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1211929-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1211929-01 04/24/20 15:10 • (DUP) R3521819-3 04/24/20 15:22

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	17100	17200	1	0.887		15
Nitrate	U	0.000	1	0.000		15
Sulfate	13500	13600	1	1.04		15

Laboratory Control Sample (LCS)

(LCS) R3521819-2 04/24/20 12:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39500	98.8	80.0-120	
Nitrate	8000	8110	101	80.0-120	
Sulfate	40000	40100	100	80.0-120	

L1211929-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1211929-02 04/24/20 15:35 • (MS) R3521819-4 04/24/20 15:48 • (MSD) R3521819-5 04/24/20 16:01

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	44100	92500	92600	96.7	97.0	1	80.0-120			0.164	15
Nitrate	5000	U	5080	5100	102	102	1	80.0-120			0.405	15
Sulfate	50000	9650	60100	60400	101	101	1	80.0-120			0.416	15

Method Blank (MB)

(MB) R3522609-1 04/25/20 13:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	222	J	102	1000

L1211928-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1211928-01 04/25/20 15:35 • (DUP) R3522609-3 04/25/20 15:49

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	1610	1680	1	4.27		20

L1211929-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1211929-04 04/25/20 19:28 • (DUP) R3522609-6 04/25/20 19:44

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	2770	2730	1	1.31		20

Laboratory Control Sample (LCS)

(LCS) R3522609-2 04/25/20 13:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	76100	101	85.0-115	

L1211928-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1211928-08 04/25/20 17:37 • (MS) R3522609-4 04/25/20 18:00 • (MSD) R3522609-5 04/25/20 18:24

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	1970	54800	55200	106	106	1	80.0-120			0.709	20

L1211929-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1211929-06 04/25/20 21:25 • (MS) R3522609-7 04/25/20 21:52 • (MSD) R3522609-8 04/25/20 22:14

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	469	53000	50500	105	100	1	80.0-120			4.87	20

Method Blank (MB)

(MB) R3522058-1 04/27/20 00:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		48.9	100
Manganese	U		1.32	5.00

Laboratory Control Sample (LCS)

(LCS) R3522058-2 04/27/20 00:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	5000	4690	93.7	80.0-120	
Manganese	50.0	47.5	95.0	80.0-120	

L1211929-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1211929-06 04/27/20 00:11 • (MS) R3522058-4 04/27/20 00:17 • (MSD) R3522058-5 04/27/20 00:21

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	5000	U	4750	4770	94.9	95.4	1	75.0-125			0.506	20
Manganese	50.0	U	48.1	48.5	96.3	96.9	1	75.0-125			0.672	20

Method Blank (MB)

(MB) R3523562-2 04/25/20 12:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	68.4	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3523562-1 04/25/20 11:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5020	91.3	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*78.0-120*	

Method Blank (MB)

(MB) R3522709-3 04/26/20 03:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	73.4	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3522709-2 04/26/20 02:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	6780	123	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*105*	*78.0-120*	

L1211735-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1211735-03 04/26/20 05:12 • (MS) R3522709-6 04/26/20 12:40 • (MSD) R3522709-7 04/26/20 13:02

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500000	ND	6930000	6710000	119	115	1000	10.0-155			3.23	21
(S) a,a,a-Trifluorotoluene(FID)					*109*	*105*		*78.0-120*				

Method Blank (MB)

(MB) R3522684-2 04/28/20 13:25

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

L1211908-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1211908-01 04/28/20 13:28 • (DUP) R3522684-3 04/28/20 14:00

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

L1211929-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1211929-04 04/28/20 14:25 • (DUP) R3522684-4 04/28/20 14:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	267	306	1	13.6		20
Ethane	10.1	10.9	1	7.62		20
Ethene	U	0.000	1	0.000		20

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

(LCS) R3522684-1 04/28/20 13:18 • (LCSD) R3522684-5 04/28/20 14:36

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	65.4	65.4	96.5	96.5	85.0-115			0.000	20
Ethane	129	127	129	98.4	100	85.0-115			1.56	20
Ethene	127	121	121	95.3	95.3	85.0-115			0.000	20

Method Blank (MB)

(MB) R3523059-2 04/29/20 10:51

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

L1211929-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1211929-06 04/29/20 11:22 • (DUP) R3523059-3 04/29/20 11:33

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

L1211929-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1211929-08 04/29/20 13:08 • (DUP) R3523059-4 04/29/20 13:11

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	69.8	81.5	1	15.5		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

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

(LCS) R3523059-1 04/29/20 10:40 • (LCSD) R3523059-5 04/29/20 13:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	62.7	60.0	92.5	88.5	85.0-115			4.40	20
Ethane	129	125	123	96.9	95.3	85.0-115			1.61	20
Ethene	127	118	117	92.9	92.1	85.0-115			0.851	20

Method Blank (MB)

(MB) R3523946-2 04/26/20 16:33

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromochloromethane	U		0.128	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	U		0.157	0.500
sec-Butylbenzene	U		0.125	0.500
tert-Butylbenzene	U		0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
trans-1,4-Dichloro-2-butene	U		0.467	5.00
2,2-Dichloropropane	U		0.161	0.500
Di-isopropyl ether	U		0.105	0.500

Method Blank (MB)

(MB) R3523946-2 04/26/20 16:33

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.137	0.500
Hexachloro-1,3-butadiene	U		0.337	1.00
2-Hexanone	U		0.787	5.00
n-Hexane	U		0.749	5.00
Iodomethane	U		6.00	10.0
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	2.61		0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,2,3-Trichlorobenzene	0.282	J	0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	0.500
1,2,3-Trimethylbenzene	U		0.104	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl acetate	U		0.692	5.00
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*106*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3523946-1 04/26/20 15:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	33.5	134	19.0-160	
Acrylonitrile	25.0	28.1	112	55.0-149	
Benzene	5.00	4.84	96.8	70.0-123	
Bromobenzene	5.00	4.59	91.8	73.0-121	
Bromodichloromethane	5.00	5.08	102	75.0-120	
Bromochloromethane	5.00	5.20	104	76.0-122	
Bromoform	5.00	4.82	96.4	68.0-132	
Bromomethane	5.00	5.49	110	10.0-160	
n-Butylbenzene	5.00	5.52	110	73.0-125	
sec-Butylbenzene	5.00	4.51	90.2	75.0-125	
tert-Butylbenzene	5.00	4.44	88.8	76.0-124	
Carbon disulfide	5.00	5.27	105	61.0-128	
Carbon tetrachloride	5.00	5.31	106	68.0-126	
Chlorobenzene	5.00	4.72	94.4	80.0-121	
Chlorodibromomethane	5.00	4.79	95.8	77.0-125	
Chloroethane	5.00	5.36	107	47.0-150	
Chloroform	5.00	4.55	91.0	73.0-120	
Chloromethane	5.00	5.14	103	41.0-142	
2-Chlorotoluene	5.00	4.53	90.6	76.0-123	
4-Chlorotoluene	5.00	4.70	94.0	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.88	97.6	58.0-134	
1,2-Dibromoethane	5.00	5.36	107	80.0-122	
Dibromomethane	5.00	5.13	103	80.0-120	
1,2-Dichlorobenzene	5.00	5.29	106	79.0-121	
1,3-Dichlorobenzene	5.00	4.85	97.0	79.0-120	
1,4-Dichlorobenzene	5.00	4.80	96.0	79.0-120	
Dichlorodifluoromethane	5.00	6.47	129	51.0-149	
1,1-Dichloroethane	5.00	5.23	105	70.0-126	
1,2-Dichloroethane	5.00	4.68	93.6	70.0-128	
1,1-Dichloroethene	5.00	5.42	108	71.0-124	
cis-1,2-Dichloroethene	5.00	4.90	98.0	73.0-120	
trans-1,2-Dichloroethene	5.00	5.12	102	73.0-120	
1,2-Dichloropropane	5.00	4.79	95.8	77.0-125	
1,1-Dichloropropene	5.00	5.13	103	74.0-126	
1,3-Dichloropropane	5.00	5.04	101	80.0-120	
cis-1,3-Dichloropropene	5.00	4.90	98.0	80.0-123	
trans-1,3-Dichloropropene	5.00	4.98	99.6	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	4.40	88.0	33.0-144	
2,2-Dichloropropane	5.00	5.34	107	58.0-130	
Di-isopropyl ether	5.00	4.75	95.0	58.0-138	

Laboratory Control Sample (LCS)

(LCS) R3523946-1 04/26/20 15:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	5.00	4.53	90.6	79.0-123	
Hexachloro-1,3-butadiene	5.00	5.04	101	54.0-138	
2-Hexanone	25.0	23.7	94.8	67.0-149	
n-Hexane	5.00	5.46	109	57.0-133	
Iodomethane	25.0	23.9	95.6	33.0-147	
Isopropylbenzene	5.00	5.58	112	76.0-127	
p-Isopropyltoluene	5.00	4.47	89.4	76.0-125	
2-Butanone (MEK)	25.0	25.2	101	44.0-160	
Methylene Chloride	5.00	5.07	101	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	24.0	96.0	68.0-142	
Methyl tert-butyl ether	5.00	5.18	104	68.0-125	
Naphthalene	5.00	4.31	86.2	54.0-135	
n-Propylbenzene	5.00	4.52	90.4	77.0-124	
Styrene	5.00	4.82	96.4	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.76	95.2	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.96	99.2	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	5.84	117	69.0-132	
Tetrachloroethene	5.00	4.77	95.4	72.0-132	
Toluene	5.00	4.85	97.0	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.62	92.4	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.53	90.6	57.0-137	
1,1,1-Trichloroethane	5.00	5.03	101	73.0-124	
1,1,2-Trichloroethane	5.00	5.12	102	80.0-120	
Trichloroethene	5.00	4.68	93.6	78.0-124	
Trichlorofluoromethane	5.00	5.71	114	59.0-147	
1,2,3-Trichloropropane	5.00	5.12	102	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.47	89.4	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.88	97.6	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.46	89.2	76.0-122	
Vinyl acetate	25.0	24.1	96.4	11.0-160	
Vinyl chloride	5.00	6.01	120	67.0-131	
Xylenes, Total	15.0	13.8	92.0	79.0-123	
(S) Toluene-d8			*106*	*80.0-120*	
(S) 4-Bromofluorobenzene			*102*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*108*	*70.0-130*	

Method Blank (MB)

(MB) R3524079-2 05/02/20 10:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromochloromethane	U		0.128	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	U		0.157	0.500
sec-Butylbenzene	U		0.125	0.500
tert-Butylbenzene	U		0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
trans-1,4-Dichloro-2-butene	U		0.467	5.00
2,2-Dichloropropane	U		0.161	0.500
Di-isopropyl ether	U		0.105	0.500

Method Blank (MB)

(MB) R3524079-2 05/02/20 10:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.137	0.500
Hexachloro-1,3-butadiene	U		0.337	1.00
2-Hexanone	U		0.787	5.00
n-Hexane	U		0.749	5.00
Iodomethane	U		6.00	10.0
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	0.500
1,2,3-Trimethylbenzene	U		0.104	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl acetate	U		0.692	5.00
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3524079-1 05/02/20 09:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	30.5	122	19.0-160	
Acrylonitrile	25.0	18.4	73.6	55.0-149	
Benzene	5.00	4.51	90.2	70.0-123	
Bromobenzene	5.00	4.62	92.4	73.0-121	
Bromodichloromethane	5.00	5.03	101	75.0-120	
Bromochloromethane	5.00	4.30	86.0	76.0-122	
Bromoform	5.00	4.82	96.4	68.0-132	
Bromomethane	5.00	5.04	101	10.0-160	
n-Butylbenzene	5.00	4.98	99.6	73.0-125	
sec-Butylbenzene	5.00	5.23	105	75.0-125	
tert-Butylbenzene	5.00	5.00	100	76.0-124	
Carbon disulfide	5.00	3.63	72.6	61.0-128	
Carbon tetrachloride	5.00	4.82	96.4	68.0-126	
Chlorobenzene	5.00	4.66	93.2	80.0-121	
Chlorodibromomethane	5.00	4.82	96.4	77.0-125	
Chloroethane	5.00	5.10	102	47.0-150	
Chloroform	5.00	4.34	86.8	73.0-120	
Chloromethane	5.00	5.03	101	41.0-142	
2-Chlorotoluene	5.00	4.65	93.0	76.0-123	
4-Chlorotoluene	5.00	4.94	98.8	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.57	91.4	58.0-134	
1,2-Dibromoethane	5.00	5.04	101	80.0-122	
Dibromomethane	5.00	4.89	97.8	80.0-120	
1,2-Dichlorobenzene	5.00	4.70	94.0	79.0-121	
1,3-Dichlorobenzene	5.00	4.82	96.4	79.0-120	
1,4-Dichlorobenzene	5.00	4.77	95.4	79.0-120	
Dichlorodifluoromethane	5.00	5.75	115	51.0-149	
1,1-Dichloroethane	5.00	4.28	85.6	70.0-126	
1,2-Dichloroethane	5.00	4.69	93.8	70.0-128	
1,1-Dichloroethene	5.00	4.26	85.2	71.0-124	
cis-1,2-Dichloroethene	5.00	4.58	91.6	73.0-120	
trans-1,2-Dichloroethene	5.00	4.46	89.2	73.0-120	
1,2-Dichloropropane	5.00	4.63	92.6	77.0-125	
1,1-Dichloropropene	5.00	4.96	99.2	74.0-126	
1,3-Dichloropropane	5.00	4.97	99.4	80.0-120	
cis-1,3-Dichloropropene	5.00	5.03	101	80.0-123	
trans-1,3-Dichloropropene	5.00	5.09	102	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	4.45	89.0	33.0-144	
2,2-Dichloropropane	5.00	5.23	105	58.0-130	
Di-isopropyl ether	5.00	4.45	89.0	58.0-138	

Laboratory Control Sample (LCS)

(LCS) R3524079-1 05/02/20 09:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	5.00	4.77	95.4	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.56	91.2	54.0-138	
2-Hexanone	25.0	28.8	115	67.0-149	
n-Hexane	5.00	4.89	97.8	57.0-133	
Iodomethane	25.0	18.4	73.6	33.0-147	
Isopropylbenzene	5.00	4.97	99.4	76.0-127	
p-Isopropyltoluene	5.00	5.29	106	76.0-125	
2-Butanone (MEK)	25.0	32.3	129	44.0-160	
Methylene Chloride	5.00	3.49	69.8	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	25.2	101	68.0-142	
Methyl tert-butyl ether	5.00	4.33	86.6	68.0-125	
Naphthalene	5.00	3.93	78.6	54.0-135	
n-Propylbenzene	5.00	4.65	93.0	77.0-124	
Styrene	5.00	4.98	99.6	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.59	91.8	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.70	94.0	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.52	90.4	69.0-132	
Tetrachloroethene	5.00	5.10	102	72.0-132	
Toluene	5.00	4.40	88.0	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.16	83.2	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.32	86.4	57.0-137	
1,1,1-Trichloroethane	5.00	4.93	98.6	73.0-124	
1,1,2-Trichloroethane	5.00	5.03	101	80.0-120	
Trichloroethene	5.00	4.94	98.8	78.0-124	
Trichlorofluoromethane	5.00	5.61	112	59.0-147	
1,2,3-Trichloropropane	5.00	4.99	99.8	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.80	96.0	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.72	94.4	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.79	95.8	76.0-122	
Vinyl acetate	25.0	33.8	135	11.0-160	
Vinyl chloride	5.00	5.20	104	67.0-131	
Xylenes, Total	15.0	14.2	94.7	79.0-123	
(S) Toluene-d8			*105*	*80.0-120*	
(S) 4-Bromofluorobenzene			*105*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*113*	*70.0-130*	

Method Blank (MB)

(MB) R3524252-4 05/03/20 14:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Naphthalene	U		0.174	2.50
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*90.2*			*70.0-130*

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

(LCS) R3524252-1 05/03/20 10:53 • (LCSD) R3524252-2 05/03/20 11:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	5.00	4.00	4.07	80.0	81.4	54.0-135			1.73	20
(S) Toluene-d8				*103*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*96.1*	*94.6*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*91.8*	*92.3*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.

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

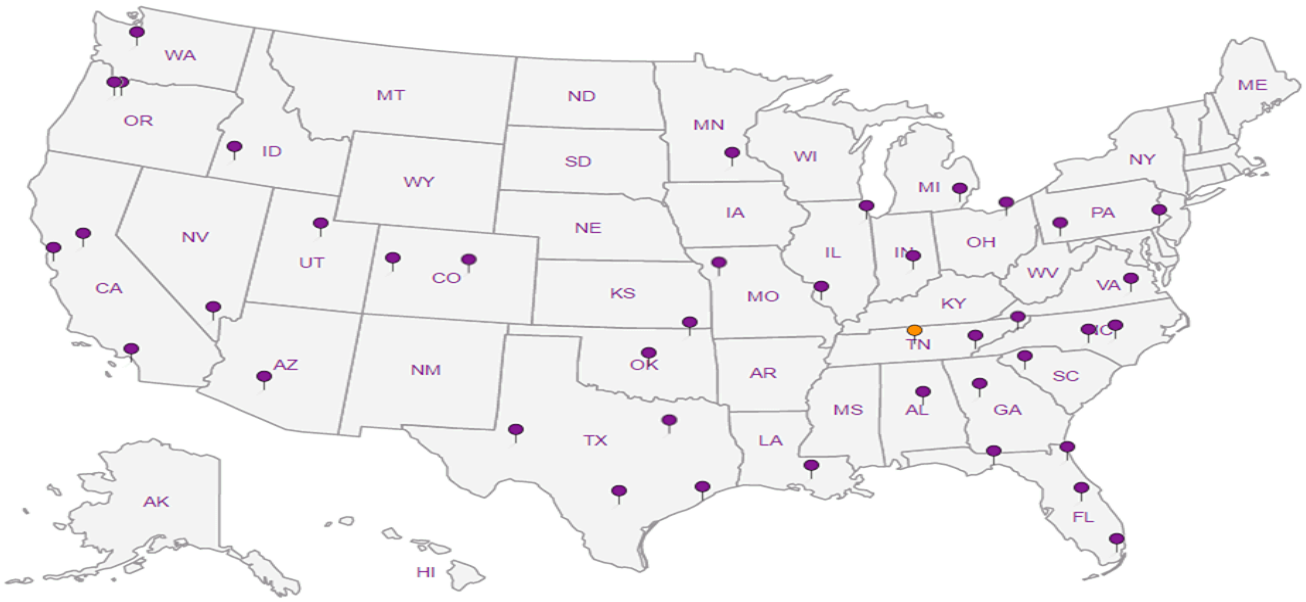
Third Party Federal Accreditations

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.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com;bhaldeman@pesenv.com;sm

Project Description: American Linen

City/State Collected: Seattle, WA

Please Circle: PT MT CT ET

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.02.501E

Lab Project # PESENVSWA-ALP

Collected by (print): H. Cohen/S. Kaonovsky

Site/Facility ID # American Linen

P.O. #

Collected by (signature): Hank Cohen

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	*NO3,SO4,Cl 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM RSK175LL 40mlAmb-HCl	NWTPHGX 40mlAmb HCl	TOC 250mlHDPE-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	VOCs LL 8260D 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-928-042320	Grab	GW	108.5	4/23/20	800	9	X	X	X		X	X	X		-01
MW-311-042320		GW	68		915	9	X	X	X		X	X	X		-02
MW127-042320		GW	45		945	12	X	X	X	X	X	X	X		-03
MW103-042320		GW	108.5		1155	9	X	X	X		X	X	X		-04
MW120-042320		GW	45		1200	12	X	X	X	X	X	X	X		-05
EQ-042320		GW	—		1300	12	X	X	X	X	X	X	X		-06
MW111-042320		GW	75		1420	9	X	X	X		X	X	X		-07
MW-323-042320		GW	105		1515	9	X	X	X		X	X	X		-08
TB-042320		GW	—		1600	1				X			X		-09
		GW													

bjf 04/24/20

Chain of Custody Page 1 of 1

Pace Analytical® National Center for Testing & Innovation

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Mount Juliet, TN 37122
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SDG # L1211929

D176

Acctnum: PESEN

Template: T165314

Prelogin: P763877

PM: 110 - Brian Ford

PB:

Shipped Via:

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

Remarks: *Nitrate has a 48 hour holding time.

pH ____ Temp ____

Flow ____ Other ____

Samples returned via: __ UPS __ FedEx __ Courier

Tracking # 1749 9996 8164

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

	Date:	Time:		
Relinquished by: (Signature) Hank Cohen	4/23/20	1630	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp 0.7 °C Bottles Received: 3.0 +.2 = 5.2 8
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/24/20 Time: 815

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK