APPENDIX H

RI LABORATORY DATA

PART 9

L1216431-L1261818

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 18, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1216431
Samples Received:	05/08/2020
Project Number:	1413.001.02.501E
Description:	American Linen

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

Entire Report Reviewed By:

Jared Starkey
Project Manager

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

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MW-303-050720 L1216431-01 GW

Collected by: HRC/BLH/SK | Collected date/time: 05/07/20 10:00 | Received date/time: 05/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1473769	1	05/13/20 13:38	05/13/20 13:38	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1472616	1	05/08/20 13:29	05/08/20 13:29	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1474460	1	05/13/20 00:29	05/13/20 00:29	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1474279	1	05/13/20 18:55	05/14/20 00:24	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1477085	1	05/16/20 11:45	05/16/20 11:45	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1474312	1	05/13/20 11:03	05/13/20 11:03	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473710	1	05/11/20 03:22	05/11/20 03:22	ACG	Mt. Juliet, TN

MW-302-050720 L1216431-02 GW

Collected by: HRC/BLH/SK | Collected date/time: 05/07/20 10:10 | Received date/time: 05/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1473769	1	05/13/20 13:49	05/13/20 13:49	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1472616	1	05/08/20 13:40	05/08/20 13:40	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1474460	1	05/13/20 00:51	05/13/20 00:51	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1474279	1	05/13/20 18:55	05/14/20 00:27	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1477085	1	05/16/20 12:07	05/16/20 12:07	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1474312	1	05/13/20 11:06	05/13/20 11:06	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473710	1	05/11/20 03:42	05/11/20 03:42	ACG	Mt. Juliet, TN

MW-304-050720 L1216431-03 GW

Collected by: HRC/BLH/SK | Collected date/time: 05/07/20 10:15 | Received date/time: 05/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1473769	1	05/13/20 14:00	05/13/20 14:00	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1472616	1	05/08/20 13:51	05/08/20 13:51	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1474460	1	05/13/20 01:12	05/13/20 01:12	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1474279	1	05/13/20 18:55	05/14/20 00:31	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1477085	1	05/16/20 12:28	05/16/20 12:28	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1474312	1	05/13/20 11:08	05/13/20 11:08	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473710	1	05/11/20 04:02	05/11/20 04:02	ACG	Mt. Juliet, TN

MW112-050720 L1216431-04 GW

Collected by: HRC/BLH/SK | Collected date/time: 05/07/20 12:15 | Received date/time: 05/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1473769	1	05/13/20 14:08	05/13/20 14:08	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1472616	1	05/08/20 14:13	05/08/20 14:13	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1474460	1	05/13/20 02:14	05/13/20 02:14	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1474279	1	05/13/20 18:55	05/14/20 00:34	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1477085	1	05/16/20 12:50	05/16/20 12:50	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1474312	1	05/13/20 11:12	05/13/20 11:12	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473710	1	05/11/20 04:23	05/11/20 04:23	ACG	Mt. Juliet, TN

MW-337-050720 L1216431-05 GW

Collected by: HRC/BLH/SK | Collected date/time: 05/07/20 12:30 | Received date/time: 05/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1473769	1	05/13/20 14:17	05/13/20 14:17	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1472616	1	05/08/20 14:35	05/08/20 14:35	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1474460	1	05/13/20 02:35	05/13/20 02:35	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1474279	1	05/13/20 18:55	05/14/20 00:45	LD	Mt. Juliet, TN

MW-337-050720 L1216431-05 GW

Collected by: HRC/BLH/SK
Collected date/time: 05/07/20 12:30
Received date/time: 05/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1474279	5	05/13/20 18:55	05/14/20 01:44	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1474312	1	05/13/20 11:14	05/13/20 11:14	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473710	1	05/11/20 04:43	05/11/20 04:43	ACG	Mt. Juliet, TN

MW-338-050720 L1216431-06 GW

Collected by: HRC/BLH/SK
Collected date/time: 05/07/20 13:35
Received date/time: 05/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1473769	3.33	05/13/20 16:02	05/13/20 16:02	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1472616	1	05/08/20 14:46	05/08/20 14:46	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1474460	1	05/13/20 02:55	05/13/20 02:55	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1474279	1	05/13/20 18:55	05/14/20 00:48	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1474279	5	05/13/20 18:55	05/14/20 01:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1474312	1	05/13/20 11:16	05/13/20 11:16	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1475318	10	05/14/20 09:44	05/14/20 09:44	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473710	1	05/11/20 05:03	05/11/20 05:03	ACG	Mt. Juliet, TN

TB-050720 L1216431-07 GW

Collected by: HRC/BLH/SK
Collected date/time: 05/07/20 14:00
Received date/time: 05/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1477184	1	05/16/20 14:35	05/16/20 14:35	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1473710	1	05/10/20 23:58	05/10/20 23:58	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.

Jared Starkey
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	156000		8450	20000	1	05/13/2020 13:38	WG1473769

Sample Narrative:
L1216431-01 WG1473769: 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	14200		379	1000	1	05/08/2020 13:29	WG1472616
Nitrate	U		48.0	100	1	05/08/2020 13:29	WG1472616
Sulfate	43500		594	5000	1	05/08/2020 13:29	WG1472616

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)	1660	B	102	1000	1	05/13/2020 00:29	WG1474460

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	4490		48.9	100	1	05/14/2020 00:24	WG1474279
Manganese	371		1.32	5.00	1	05/14/2020 00:24	WG1474279

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	41.5	B J	31.6	100	1	05/16/2020 11:45	WG1477085
(S) a,a,a-Trifluorotoluene(FID)	*96.5*			*78.0-120*		*05/16/2020 11:45*	WG1477085

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	177		0.287	0.678	1	05/13/2020 11:03	WG1474312
Ethane	U		0.296	1.29	1	05/13/2020 11:03	WG1474312
Ethene	U		0.422	1.27	1	05/13/2020 11:03	WG1474312

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	05/11/2020 03:22	WG1473710
Acrylonitrile	U		0.671	5.00	1	05/11/2020 03:22	WG1473710
Benzene	U		0.0941	0.500	1	05/11/2020 03:22	WG1473710
Bromobenzene	U	J4	0.118	0.500	1	05/11/2020 03:22	WG1473710
Bromodichloromethane	U		0.136	0.500	1	05/11/2020 03:22	WG1473710
Bromochloromethane	U		0.128	0.500	1	05/11/2020 03:22	WG1473710
Bromoform	U		0.129	0.500	1	05/11/2020 03:22	WG1473710
Bromomethane	U	J0	0.605	2.50	1	05/11/2020 03:22	WG1473710
n-Butylbenzene	U		0.157	0.500	1	05/11/2020 03:22	WG1473710
sec-Butylbenzene	U	J4	0.125	0.500	1	05/11/2020 03:22	WG1473710
tert-Butylbenzene	U	J4	0.127	0.500	1	05/11/2020 03:22	WG1473710
Carbon disulfide	0.385	J	0.0962	0.500	1	05/11/2020 03:22	WG1473710
Carbon tetrachloride	U		0.128	0.500	1	05/11/2020 03:22	WG1473710

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	05/11/2020 03:22	WG1473710
Chlorodibromomethane	U		0.140	0.500	1	05/11/2020 03:22	WG1473710
Chloroethane	U	J0	0.192	2.50	1	05/11/2020 03:22	WG1473710
Chloroform	U		0.111	0.500	1	05/11/2020 03:22	WG1473710
Chloromethane	U		0.960	1.25	1	05/11/2020 03:22	WG1473710
2-Chlorotoluene	U	J4	0.106	0.500	1	05/11/2020 03:22	WG1473710
4-Chlorotoluene	U	J4	0.114	0.500	1	05/11/2020 03:22	WG1473710
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/11/2020 03:22	WG1473710
1,2-Dibromoethane	U		0.126	0.500	1	05/11/2020 03:22	WG1473710
Dibromomethane	U		0.122	0.500	1	05/11/2020 03:22	WG1473710
1,2-Dichlorobenzene	U		0.107	0.500	1	05/11/2020 03:22	WG1473710
1,3-Dichlorobenzene	U		0.299	0.500	1	05/11/2020 03:22	WG1473710
1,4-Dichlorobenzene	U		0.120	0.500	1	05/11/2020 03:22	WG1473710
Dichlorodifluoromethane	U		0.374	2.50	1	05/11/2020 03:22	WG1473710
1,1-Dichloroethane	U		0.100	0.500	1	05/11/2020 03:22	WG1473710
1,2-Dichloroethane	U		0.0819	0.500	1	05/11/2020 03:22	WG1473710
1,1-Dichloroethene	U		0.188	0.500	1	05/11/2020 03:22	WG1473710
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/11/2020 03:22	WG1473710
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/11/2020 03:22	WG1473710
1,2-Dichloropropane	U		0.149	0.500	1	05/11/2020 03:22	WG1473710
1,1-Dichloropropene	U		0.142	0.500	1	05/11/2020 03:22	WG1473710
1,3-Dichloropropane	U		0.109	1.00	1	05/11/2020 03:22	WG1473710
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/11/2020 03:22	WG1473710
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/11/2020 03:22	WG1473710
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/11/2020 03:22	WG1473710
2,2-Dichloropropane	U		0.161	0.500	1	05/11/2020 03:22	WG1473710
Di-isopropyl ether	U		0.105	0.500	1	05/11/2020 03:22	WG1473710
Ethylbenzene	U		0.137	0.500	1	05/11/2020 03:22	WG1473710
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/11/2020 03:22	WG1473710
2-Hexanone	U		0.787	5.00	1	05/11/2020 03:22	WG1473710
n-Hexane	U		0.749	5.00	1	05/11/2020 03:22	WG1473710
Iodomethane	U		0.554	5.00	1	05/11/2020 03:22	WG1473710
Isopropylbenzene	U		0.105	0.500	1	05/11/2020 03:22	WG1473710
p-Isopropyltoluene	U		0.120	0.500	1	05/11/2020 03:22	WG1473710
2-Butanone (MEK)	U		1.19	5.00	1	05/11/2020 03:22	WG1473710
Methylene Chloride	U		0.430	2.50	1	05/11/2020 03:22	WG1473710
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/11/2020 03:22	WG1473710
Methyl tert-butyl ether	U		0.101	0.500	1	05/11/2020 03:22	WG1473710
Naphthalene	U	J0	0.174	2.50	1	05/11/2020 03:22	WG1473710
n-Propylbenzene	U	J4	0.0993	0.500	1	05/11/2020 03:22	WG1473710
Styrene	U		0.118	0.500	1	05/11/2020 03:22	WG1473710
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/11/2020 03:22	WG1473710
1,1,2,2-Tetrachloroethane	U	J4	0.133	0.500	1	05/11/2020 03:22	WG1473710
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/11/2020 03:22	WG1473710
Tetrachloroethene	U		0.300	0.500	1	05/11/2020 03:22	WG1473710
Toluene	U		0.278	0.500	1	05/11/2020 03:22	WG1473710
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/11/2020 03:22	WG1473710
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/11/2020 03:22	WG1473710
1,1,1-Trichloroethane	U		0.149	0.500	1	05/11/2020 03:22	WG1473710
1,1,2-Trichloroethane	U		0.158	0.500	1	05/11/2020 03:22	WG1473710
Trichloroethene	U		0.190	0.500	1	05/11/2020 03:22	WG1473710
Trichlorofluoromethane	U		0.160	2.50	1	05/11/2020 03:22	WG1473710
1,2,3-Trichloropropane	U	J4	0.237	2.50	1	05/11/2020 03:22	WG1473710
1,2,4-Trimethylbenzene	U	J4	0.322	0.500	1	05/11/2020 03:22	WG1473710
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/11/2020 03:22	WG1473710
1,3,5-Trimethylbenzene	U	J4	0.104	0.500	1	05/11/2020 03:22	WG1473710

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	05/11/2020 03:22	WG1473710
Vinyl chloride	U		0.234	0.500	1	05/11/2020 03:22	WG1473710
Xylenes, Total	U		0.174	1.50	1	05/11/2020 03:22	WG1473710
(S) Toluene-d8	*106*			*80.0-120*		*05/11/2020 03:22*	WG1473710
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*05/11/2020 03:22*	WG1473710
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/11/2020 03:22*	WG1473710

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	356000		8450	20000	1	05/13/2020 13:49	WG1473769

Sample Narrative:
L1216431-02 WG1473769: 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	22300		379	1000	1	05/08/2020 13:40	WG1472616
Nitrate	U		48.0	100	1	05/08/2020 13:40	WG1472616
Sulfate	20800		594	5000	1	05/08/2020 13:40	WG1472616

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	05/13/2020 00:51	WG1474460

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	11100		48.9	100	1	05/14/2020 00:27	WG1474279
Manganese	518		1.32	5.00	1	05/14/2020 00:27	WG1474279

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	05/16/2020 12:07	WG1477085
(S) a,a,a-Trifluorotoluene(FID)	*96.8*			*78.0-120*		*05/16/2020 12:07*	WG1477085

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	297		0.287	0.678	1	05/13/2020 11:06	WG1474312
Ethane	U		0.296	1.29	1	05/13/2020 11:06	WG1474312
Ethene	U		0.422	1.27	1	05/13/2020 11:06	WG1474312

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	05/11/2020 03:42	WG1473710
Acrylonitrile	U		0.671	5.00	1	05/11/2020 03:42	WG1473710
Benzene	U		0.0941	0.500	1	05/11/2020 03:42	WG1473710
Bromobenzene	U	J4	0.118	0.500	1	05/11/2020 03:42	WG1473710
Bromodichloromethane	U		0.136	0.500	1	05/11/2020 03:42	WG1473710
Bromochloromethane	U		0.128	0.500	1	05/11/2020 03:42	WG1473710
Bromoform	U		0.129	0.500	1	05/11/2020 03:42	WG1473710
Bromomethane	U	J0	0.605	2.50	1	05/11/2020 03:42	WG1473710
n-Butylbenzene	U		0.157	0.500	1	05/11/2020 03:42	WG1473710
sec-Butylbenzene	U	J4	0.125	0.500	1	05/11/2020 03:42	WG1473710
tert-Butylbenzene	U	J4	0.127	0.500	1	05/11/2020 03:42	WG1473710
Carbon disulfide	U		0.0962	0.500	1	05/11/2020 03:42	WG1473710
Carbon tetrachloride	U		0.128	0.500	1	05/11/2020 03:42	WG1473710

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.117	0.500	1	05/11/2020 03:42	WG1473710
Chlorodibromomethane	U		0.140	0.500	1	05/11/2020 03:42	WG1473710
Chloroethane	U	J0	0.192	2.50	1	05/11/2020 03:42	WG1473710
Chloroform	U		0.111	0.500	1	05/11/2020 03:42	WG1473710
Chloromethane	U		0.960	1.25	1	05/11/2020 03:42	WG1473710
2-Chlorotoluene	U	J4	0.106	0.500	1	05/11/2020 03:42	WG1473710
4-Chlorotoluene	U	J4	0.114	0.500	1	05/11/2020 03:42	WG1473710
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/11/2020 03:42	WG1473710
1,2-Dibromoethane	U		0.126	0.500	1	05/11/2020 03:42	WG1473710
Dibromomethane	U		0.122	0.500	1	05/11/2020 03:42	WG1473710
1,2-Dichlorobenzene	U		0.107	0.500	1	05/11/2020 03:42	WG1473710
1,3-Dichlorobenzene	U		0.299	0.500	1	05/11/2020 03:42	WG1473710
1,4-Dichlorobenzene	U		0.120	0.500	1	05/11/2020 03:42	WG1473710
Dichlorodifluoromethane	U		0.374	2.50	1	05/11/2020 03:42	WG1473710
1,1-Dichloroethane	U		0.100	0.500	1	05/11/2020 03:42	WG1473710
1,2-Dichloroethane	U		0.0819	0.500	1	05/11/2020 03:42	WG1473710
1,1-Dichloroethene	U		0.188	0.500	1	05/11/2020 03:42	WG1473710
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/11/2020 03:42	WG1473710
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/11/2020 03:42	WG1473710
1,2-Dichloropropane	U		0.149	0.500	1	05/11/2020 03:42	WG1473710
1,1-Dichloropropene	U		0.142	0.500	1	05/11/2020 03:42	WG1473710
1,3-Dichloropropane	U		0.109	1.00	1	05/11/2020 03:42	WG1473710
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/11/2020 03:42	WG1473710
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/11/2020 03:42	WG1473710
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/11/2020 03:42	WG1473710
2,2-Dichloropropane	U		0.161	0.500	1	05/11/2020 03:42	WG1473710
Di-isopropyl ether	U		0.105	0.500	1	05/11/2020 03:42	WG1473710
Ethylbenzene	U		0.137	0.500	1	05/11/2020 03:42	WG1473710
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/11/2020 03:42	WG1473710
2-Hexanone	U		0.787	5.00	1	05/11/2020 03:42	WG1473710
n-Hexane	U		0.749	5.00	1	05/11/2020 03:42	WG1473710
Iodomethane	U		0.554	5.00	1	05/11/2020 03:42	WG1473710
Isopropylbenzene	U		0.105	0.500	1	05/11/2020 03:42	WG1473710
p-Isopropyltoluene	U		0.120	0.500	1	05/11/2020 03:42	WG1473710
2-Butanone (MEK)	U		1.19	5.00	1	05/11/2020 03:42	WG1473710
Methylene Chloride	U		0.430	2.50	1	05/11/2020 03:42	WG1473710
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/11/2020 03:42	WG1473710
Methyl tert-butyl ether	U		0.101	0.500	1	05/11/2020 03:42	WG1473710
Naphthalene	U	J0	0.174	2.50	1	05/11/2020 03:42	WG1473710
n-Propylbenzene	U	J4	0.0993	0.500	1	05/11/2020 03:42	WG1473710
Styrene	U		0.118	0.500	1	05/11/2020 03:42	WG1473710
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/11/2020 03:42	WG1473710
1,1,2,2-Tetrachloroethane	U	J4	0.133	0.500	1	05/11/2020 03:42	WG1473710
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/11/2020 03:42	WG1473710
Tetrachloroethene	U		0.300	0.500	1	05/11/2020 03:42	WG1473710
Toluene	0.308	J	0.278	0.500	1	05/11/2020 03:42	WG1473710
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/11/2020 03:42	WG1473710
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/11/2020 03:42	WG1473710
1,1,1-Trichloroethane	U		0.149	0.500	1	05/11/2020 03:42	WG1473710
1,1,2-Trichloroethane	U		0.158	0.500	1	05/11/2020 03:42	WG1473710
Trichloroethene	U		0.190	0.500	1	05/11/2020 03:42	WG1473710
Trichlorofluoromethane	U		0.160	2.50	1	05/11/2020 03:42	WG1473710
1,2,3-Trichloropropane	U	J4	0.237	2.50	1	05/11/2020 03:42	WG1473710
1,2,4-Trimethylbenzene	U	J4	0.322	0.500	1	05/11/2020 03:42	WG1473710
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/11/2020 03:42	WG1473710
1,3,5-Trimethylbenzene	U	J4	0.104	0.500	1	05/11/2020 03:42	WG1473710

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	05/11/2020 03:42	WG1473710
Vinyl chloride	U		0.234	0.500	1	05/11/2020 03:42	WG1473710
Xylenes, Total	U		0.174	1.50	1	05/11/2020 03:42	WG1473710
(S) Toluene-d8	*110*			*80.0-120*		*05/11/2020 03:42*	WG1473710
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*05/11/2020 03:42*	WG1473710
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/11/2020 03:42*	WG1473710

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	146000		8450	20000	1	05/13/2020 14:00	WG1473769

Sample Narrative:
L1216431-03 WG1473769: 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	10500		379	1000	1	05/08/2020 13:51	WG1472616
Nitrate	U		48.0	100	1	05/08/2020 13:51	WG1472616
Sulfate	11000		594	5000	1	05/08/2020 13:51	WG1472616

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)	1630	B	102	1000	1	05/13/2020 01:12	WG1474460

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	14200		48.9	100	1	05/14/2020 00:31	WG1474279
Manganese	609		1.32	5.00	1	05/14/2020 00:31	WG1474279

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	05/16/2020 12:28	WG1477085
(S) a,a,a-Trifluorotoluene(FID)	*96.8*			*78.0-120*		*05/16/2020 12:28*	WG1477085

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	324		0.287	0.678	1	05/13/2020 11:08	WG1474312
Ethane	U		0.296	1.29	1	05/13/2020 11:08	WG1474312
Ethene	U		0.422	1.27	1	05/13/2020 11:08	WG1474312

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	05/11/2020 04:02	WG1473710
Acrylonitrile	U		0.671	5.00	1	05/11/2020 04:02	WG1473710
Benzene	U		0.0941	0.500	1	05/11/2020 04:02	WG1473710
Bromobenzene	U	J4	0.118	0.500	1	05/11/2020 04:02	WG1473710
Bromodichloromethane	U		0.136	0.500	1	05/11/2020 04:02	WG1473710
Bromochloromethane	U		0.128	0.500	1	05/11/2020 04:02	WG1473710
Bromoform	U		0.129	0.500	1	05/11/2020 04:02	WG1473710
Bromomethane	U	J0	0.605	2.50	1	05/11/2020 04:02	WG1473710
n-Butylbenzene	U		0.157	0.500	1	05/11/2020 04:02	WG1473710
sec-Butylbenzene	U	J4	0.125	0.500	1	05/11/2020 04:02	WG1473710
tert-Butylbenzene	U	J4	0.127	0.500	1	05/11/2020 04:02	WG1473710
Carbon disulfide	U		0.0962	0.500	1	05/11/2020 04:02	WG1473710
Carbon tetrachloride	U		0.128	0.500	1	05/11/2020 04:02	WG1473710

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	05/11/2020 04:02	WG1473710
Chlorodibromomethane	U		0.140	0.500	1	05/11/2020 04:02	WG1473710
Chloroethane	U	J0	0.192	2.50	1	05/11/2020 04:02	WG1473710
Chloroform	U		0.111	0.500	1	05/11/2020 04:02	WG1473710
Chloromethane	U		0.960	1.25	1	05/11/2020 04:02	WG1473710
2-Chlorotoluene	U	J4	0.106	0.500	1	05/11/2020 04:02	WG1473710
4-Chlorotoluene	U	J4	0.114	0.500	1	05/11/2020 04:02	WG1473710
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/11/2020 04:02	WG1473710
1,2-Dibromoethane	U		0.126	0.500	1	05/11/2020 04:02	WG1473710
Dibromomethane	U		0.122	0.500	1	05/11/2020 04:02	WG1473710
1,2-Dichlorobenzene	U		0.107	0.500	1	05/11/2020 04:02	WG1473710
1,3-Dichlorobenzene	U		0.299	0.500	1	05/11/2020 04:02	WG1473710
1,4-Dichlorobenzene	U		0.120	0.500	1	05/11/2020 04:02	WG1473710
Dichlorodifluoromethane	U		0.374	2.50	1	05/11/2020 04:02	WG1473710
1,1-Dichloroethane	U		0.100	0.500	1	05/11/2020 04:02	WG1473710
1,2-Dichloroethane	U		0.0819	0.500	1	05/11/2020 04:02	WG1473710
1,1-Dichloroethene	U		0.188	0.500	1	05/11/2020 04:02	WG1473710
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/11/2020 04:02	WG1473710
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/11/2020 04:02	WG1473710
1,2-Dichloropropane	U		0.149	0.500	1	05/11/2020 04:02	WG1473710
1,1-Dichloropropene	U		0.142	0.500	1	05/11/2020 04:02	WG1473710
1,3-Dichloropropane	U		0.109	1.00	1	05/11/2020 04:02	WG1473710
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/11/2020 04:02	WG1473710
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/11/2020 04:02	WG1473710
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/11/2020 04:02	WG1473710
2,2-Dichloropropane	U		0.161	0.500	1	05/11/2020 04:02	WG1473710
Di-isopropyl ether	U		0.105	0.500	1	05/11/2020 04:02	WG1473710
Ethylbenzene	U		0.137	0.500	1	05/11/2020 04:02	WG1473710
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/11/2020 04:02	WG1473710
2-Hexanone	U		0.787	5.00	1	05/11/2020 04:02	WG1473710
n-Hexane	U		0.749	5.00	1	05/11/2020 04:02	WG1473710
Iodomethane	U		0.554	5.00	1	05/11/2020 04:02	WG1473710
Isopropylbenzene	U		0.105	0.500	1	05/11/2020 04:02	WG1473710
p-Isopropyltoluene	U		0.120	0.500	1	05/11/2020 04:02	WG1473710
2-Butanone (MEK)	U		1.19	5.00	1	05/11/2020 04:02	WG1473710
Methylene Chloride	U		0.430	2.50	1	05/11/2020 04:02	WG1473710
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/11/2020 04:02	WG1473710
Methyl tert-butyl ether	U		0.101	0.500	1	05/11/2020 04:02	WG1473710
Naphthalene	U	J0	0.174	2.50	1	05/11/2020 04:02	WG1473710
n-Propylbenzene	U	J4	0.0993	0.500	1	05/11/2020 04:02	WG1473710
Styrene	U		0.118	0.500	1	05/11/2020 04:02	WG1473710
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/11/2020 04:02	WG1473710
1,1,2,2-Tetrachloroethane	U	J4	0.133	0.500	1	05/11/2020 04:02	WG1473710
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/11/2020 04:02	WG1473710
Tetrachloroethene	U		0.300	0.500	1	05/11/2020 04:02	WG1473710
Toluene	U		0.278	0.500	1	05/11/2020 04:02	WG1473710
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/11/2020 04:02	WG1473710
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/11/2020 04:02	WG1473710
1,1,1-Trichloroethane	U		0.149	0.500	1	05/11/2020 04:02	WG1473710
1,1,2-Trichloroethane	U		0.158	0.500	1	05/11/2020 04:02	WG1473710
Trichloroethene	U		0.190	0.500	1	05/11/2020 04:02	WG1473710
Trichlorofluoromethane	U		0.160	2.50	1	05/11/2020 04:02	WG1473710
1,2,3-Trichloropropane	U	J4	0.237	2.50	1	05/11/2020 04:02	WG1473710
1,2,4-Trimethylbenzene	U	J4	0.322	0.500	1	05/11/2020 04:02	WG1473710
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/11/2020 04:02	WG1473710
1,3,5-Trimethylbenzene	U	J4	0.104	0.500	1	05/11/2020 04:02	WG1473710

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	05/11/2020 04:02	WG1473710
Vinyl chloride	U		0.234	0.500	1	05/11/2020 04:02	WG1473710
Xylenes, Total	U		0.174	1.50	1	05/11/2020 04:02	WG1473710
(S) Toluene-d8	*107*			*80.0-120*		*05/11/2020 04:02*	WG1473710
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/11/2020 04:02*	WG1473710
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*05/11/2020 04:02*	WG1473710

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	75200		8450	20000	1	05/13/2020 14:08	WG1473769

Sample Narrative:

L1216431-04 WG1473769: 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	8950		379	1000	1	05/08/2020 14:13	WG1472616
Nitrate	U		48.0	100	1	05/08/2020 14:13	WG1472616
Sulfate	2620	J	594	5000	1	05/08/2020 14:13	WG1472616

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)	2910		102	1000	1	05/13/2020 02:14	WG1474460

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	3220		48.9	100	1	05/14/2020 00:34	WG1474279
Manganese	239		1.32	5.00	1	05/14/2020 00:34	WG1474279

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	05/16/2020 12:50	WG1477085
(S) a,a,a-Trifluorotoluene(FID)	*96.8*			*78.0-120*		*05/16/2020 12:50*	WG1477085

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	752		0.287	0.678	1	05/13/2020 11:12	WG1474312
Ethane	U		0.296	1.29	1	05/13/2020 11:12	WG1474312
Ethene	U		0.422	1.27	1	05/13/2020 11:12	WG1474312

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	05/11/2020 04:23	WG1473710
Acrylonitrile	U		0.671	5.00	1	05/11/2020 04:23	WG1473710
Benzene	U		0.0941	0.500	1	05/11/2020 04:23	WG1473710
Bromobenzene	U	J4	0.118	0.500	1	05/11/2020 04:23	WG1473710
Bromodichloromethane	U		0.136	0.500	1	05/11/2020 04:23	WG1473710
Bromochloromethane	U		0.128	0.500	1	05/11/2020 04:23	WG1473710
Bromoform	U		0.129	0.500	1	05/11/2020 04:23	WG1473710
Bromomethane	U	J0	0.605	2.50	1	05/11/2020 04:23	WG1473710
n-Butylbenzene	U		0.157	0.500	1	05/11/2020 04:23	WG1473710
sec-Butylbenzene	U	J4	0.125	0.500	1	05/11/2020 04:23	WG1473710
tert-Butylbenzene	U	J4	0.127	0.500	1	05/11/2020 04:23	WG1473710
Carbon disulfide	U		0.0962	0.500	1	05/11/2020 04:23	WG1473710
Carbon tetrachloride	U		0.128	0.500	1	05/11/2020 04:23	WG1473710

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	05/11/2020 04:23	WG1473710
Chlorodibromomethane	U		0.140	0.500	1	05/11/2020 04:23	WG1473710
Chloroethane	U	J0	0.192	2.50	1	05/11/2020 04:23	WG1473710
Chloroform	U		0.111	0.500	1	05/11/2020 04:23	WG1473710
Chloromethane	U		0.960	1.25	1	05/11/2020 04:23	WG1473710
2-Chlorotoluene	U	J4	0.106	0.500	1	05/11/2020 04:23	WG1473710
4-Chlorotoluene	U	J4	0.114	0.500	1	05/11/2020 04:23	WG1473710
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/11/2020 04:23	WG1473710
1,2-Dibromoethane	U		0.126	0.500	1	05/11/2020 04:23	WG1473710
Dibromomethane	U		0.122	0.500	1	05/11/2020 04:23	WG1473710
1,2-Dichlorobenzene	U		0.107	0.500	1	05/11/2020 04:23	WG1473710
1,3-Dichlorobenzene	U		0.299	0.500	1	05/11/2020 04:23	WG1473710
1,4-Dichlorobenzene	U		0.120	0.500	1	05/11/2020 04:23	WG1473710
Dichlorodifluoromethane	U		0.374	2.50	1	05/11/2020 04:23	WG1473710
1,1-Dichloroethane	U		0.100	0.500	1	05/11/2020 04:23	WG1473710
1,2-Dichloroethane	U		0.0819	0.500	1	05/11/2020 04:23	WG1473710
1,1-Dichloroethene	U		0.188	0.500	1	05/11/2020 04:23	WG1473710
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/11/2020 04:23	WG1473710
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/11/2020 04:23	WG1473710
1,2-Dichloropropane	U		0.149	0.500	1	05/11/2020 04:23	WG1473710
1,1-Dichloropropene	U		0.142	0.500	1	05/11/2020 04:23	WG1473710
1,3-Dichloropropane	U		0.109	1.00	1	05/11/2020 04:23	WG1473710
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/11/2020 04:23	WG1473710
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/11/2020 04:23	WG1473710
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/11/2020 04:23	WG1473710
2,2-Dichloropropane	U		0.161	0.500	1	05/11/2020 04:23	WG1473710
Di-isopropyl ether	U		0.105	0.500	1	05/11/2020 04:23	WG1473710
Ethylbenzene	U		0.137	0.500	1	05/11/2020 04:23	WG1473710
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/11/2020 04:23	WG1473710
2-Hexanone	U		0.787	5.00	1	05/11/2020 04:23	WG1473710
n-Hexane	U		0.749	5.00	1	05/11/2020 04:23	WG1473710
Iodomethane	U		0.554	5.00	1	05/11/2020 04:23	WG1473710
Isopropylbenzene	U		0.105	0.500	1	05/11/2020 04:23	WG1473710
p-Isopropyltoluene	U		0.120	0.500	1	05/11/2020 04:23	WG1473710
2-Butanone (MEK)	U		1.19	5.00	1	05/11/2020 04:23	WG1473710
Methylene Chloride	U		0.430	2.50	1	05/11/2020 04:23	WG1473710
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/11/2020 04:23	WG1473710
Methyl tert-butyl ether	U		0.101	0.500	1	05/11/2020 04:23	WG1473710
Naphthalene	U	J0	0.174	2.50	1	05/11/2020 04:23	WG1473710
n-Propylbenzene	U	J4	0.0993	0.500	1	05/11/2020 04:23	WG1473710
Styrene	U		0.118	0.500	1	05/11/2020 04:23	WG1473710
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/11/2020 04:23	WG1473710
1,1,2,2-Tetrachloroethane	U	J4	0.133	0.500	1	05/11/2020 04:23	WG1473710
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/11/2020 04:23	WG1473710
Tetrachloroethene	U		0.300	0.500	1	05/11/2020 04:23	WG1473710
Toluene	0.390	J	0.278	0.500	1	05/11/2020 04:23	WG1473710
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/11/2020 04:23	WG1473710
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/11/2020 04:23	WG1473710
1,1,1-Trichloroethane	U		0.149	0.500	1	05/11/2020 04:23	WG1473710
1,1,2-Trichloroethane	U		0.158	0.500	1	05/11/2020 04:23	WG1473710
Trichloroethene	U		0.190	0.500	1	05/11/2020 04:23	WG1473710
Trichlorofluoromethane	U		0.160	2.50	1	05/11/2020 04:23	WG1473710
1,2,3-Trichloropropane	U	J4	0.237	2.50	1	05/11/2020 04:23	WG1473710
1,2,4-Trimethylbenzene	U	J4	0.322	0.500	1	05/11/2020 04:23	WG1473710
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/11/2020 04:23	WG1473710
1,3,5-Trimethylbenzene	U	J4	0.104	0.500	1	05/11/2020 04:23	WG1473710

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	05/11/2020 04:23	WG1473710
Vinyl chloride	U		0.234	0.500	1	05/11/2020 04:23	WG1473710
Xylenes, Total	U		0.174	1.50	1	05/11/2020 04:23	WG1473710
(S) Toluene-d8	*106*			*80.0-120*		*05/11/2020 04:23*	WG1473710
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*05/11/2020 04:23*	WG1473710
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*05/11/2020 04:23*	WG1473710

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	229000		8450	20000	1	05/13/2020 14:17	WG1473769

Sample Narrative:

L1216431-05 WG1473769: 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	11000		379	1000	1	05/08/2020 14:35	WG1472616
Nitrate	U		48.0	100	1	05/08/2020 14:35	WG1472616
Sulfate	2940	J	594	5000	1	05/08/2020 14:35	WG1472616

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)	2690		102	1000	1	05/13/2020 02:35	WG1474460

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	3120		48.9	100	1	05/14/2020 00:45	WG1474279
Manganese	1210		6.60	25.0	5	05/14/2020 01:44	WG1474279

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	1950		0.287	0.678	1	05/13/2020 11:14	WG1474312
Ethane	U		0.296	1.29	1	05/13/2020 11:14	WG1474312
Ethene	U		0.422	1.27	1	05/13/2020 11:14	WG1474312

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	05/11/2020 04:43	WG1473710
Acrylonitrile	U		0.671	5.00	1	05/11/2020 04:43	WG1473710
Benzene	U		0.0941	0.500	1	05/11/2020 04:43	WG1473710
Bromobenzene	U	J4	0.118	0.500	1	05/11/2020 04:43	WG1473710
Bromodichloromethane	U		0.136	0.500	1	05/11/2020 04:43	WG1473710
Bromochloromethane	U		0.128	0.500	1	05/11/2020 04:43	WG1473710
Bromoform	U		0.129	0.500	1	05/11/2020 04:43	WG1473710
Bromomethane	U	J0	0.605	2.50	1	05/11/2020 04:43	WG1473710
n-Butylbenzene	U		0.157	0.500	1	05/11/2020 04:43	WG1473710
sec-Butylbenzene	U	J4	0.125	0.500	1	05/11/2020 04:43	WG1473710
tert-Butylbenzene	U	J4	0.127	0.500	1	05/11/2020 04:43	WG1473710
Carbon disulfide	U		0.0962	0.500	1	05/11/2020 04:43	WG1473710
Carbon tetrachloride	U		0.128	0.500	1	05/11/2020 04:43	WG1473710
Chlorobenzene	U		0.117	0.500	1	05/11/2020 04:43	WG1473710
Chlorodibromomethane	U		0.140	0.500	1	05/11/2020 04:43	WG1473710
Chloroethane	U	J0	0.192	2.50	1	05/11/2020 04:43	WG1473710
Chloroform	U		0.111	0.500	1	05/11/2020 04:43	WG1473710
Chloromethane	U		0.960	1.25	1	05/11/2020 04:43	WG1473710
2-Chlorotoluene	U	J4	0.106	0.500	1	05/11/2020 04:43	WG1473710
4-Chlorotoluene	U	J4	0.114	0.500	1	05/11/2020 04:43	WG1473710

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	05/11/2020 04:43	WG1473710
1,2-Dibromoethane	U		0.126	0.500	1	05/11/2020 04:43	WG1473710
Dibromomethane	U		0.122	0.500	1	05/11/2020 04:43	WG1473710
1,2-Dichlorobenzene	U		0.107	0.500	1	05/11/2020 04:43	WG1473710
1,3-Dichlorobenzene	U		0.299	0.500	1	05/11/2020 04:43	WG1473710
1,4-Dichlorobenzene	U		0.120	0.500	1	05/11/2020 04:43	WG1473710
Dichlorodifluoromethane	U		0.374	2.50	1	05/11/2020 04:43	WG1473710
1,1-Dichloroethane	U		0.100	0.500	1	05/11/2020 04:43	WG1473710
1,2-Dichloroethane	U		0.0819	0.500	1	05/11/2020 04:43	WG1473710
1,1-Dichloroethene	U		0.188	0.500	1	05/11/2020 04:43	WG1473710
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/11/2020 04:43	WG1473710
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/11/2020 04:43	WG1473710
1,2-Dichloropropane	U		0.149	0.500	1	05/11/2020 04:43	WG1473710
1,1-Dichloropropene	U		0.142	0.500	1	05/11/2020 04:43	WG1473710
1,3-Dichloropropane	U		0.109	1.00	1	05/11/2020 04:43	WG1473710
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/11/2020 04:43	WG1473710
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/11/2020 04:43	WG1473710
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/11/2020 04:43	WG1473710
2,2-Dichloropropane	U		0.161	0.500	1	05/11/2020 04:43	WG1473710
Di-isopropyl ether	U		0.105	0.500	1	05/11/2020 04:43	WG1473710
Ethylbenzene	U		0.137	0.500	1	05/11/2020 04:43	WG1473710
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/11/2020 04:43	WG1473710
2-Hexanone	U		0.787	5.00	1	05/11/2020 04:43	WG1473710
n-Hexane	U		0.749	5.00	1	05/11/2020 04:43	WG1473710
Iodomethane	U		0.554	5.00	1	05/11/2020 04:43	WG1473710
Isopropylbenzene	U		0.105	0.500	1	05/11/2020 04:43	WG1473710
p-Isopropyltoluene	U		0.120	0.500	1	05/11/2020 04:43	WG1473710
2-Butanone (MEK)	U		1.19	5.00	1	05/11/2020 04:43	WG1473710
Methylene Chloride	U		0.430	2.50	1	05/11/2020 04:43	WG1473710
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/11/2020 04:43	WG1473710
Methyl tert-butyl ether	U		0.101	0.500	1	05/11/2020 04:43	WG1473710
Naphthalene	U	J0	0.174	2.50	1	05/11/2020 04:43	WG1473710
n-Propylbenzene	U	J4	0.0993	0.500	1	05/11/2020 04:43	WG1473710
Styrene	U		0.118	0.500	1	05/11/2020 04:43	WG1473710
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/11/2020 04:43	WG1473710
1,1,2,2-Tetrachloroethane	U	J4	0.133	0.500	1	05/11/2020 04:43	WG1473710
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/11/2020 04:43	WG1473710
Tetrachloroethene	U		0.300	0.500	1	05/11/2020 04:43	WG1473710
Toluene	U		0.278	0.500	1	05/11/2020 04:43	WG1473710
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/11/2020 04:43	WG1473710
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/11/2020 04:43	WG1473710
1,1,1-Trichloroethane	U		0.149	0.500	1	05/11/2020 04:43	WG1473710
1,1,2-Trichloroethane	U		0.158	0.500	1	05/11/2020 04:43	WG1473710
Trichloroethene	U		0.190	0.500	1	05/11/2020 04:43	WG1473710
Trichlorofluoromethane	U		0.160	2.50	1	05/11/2020 04:43	WG1473710
1,2,3-Trichloropropane	U	J4	0.237	2.50	1	05/11/2020 04:43	WG1473710
1,2,4-Trimethylbenzene	U	J4	0.322	0.500	1	05/11/2020 04:43	WG1473710
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/11/2020 04:43	WG1473710
1,3,5-Trimethylbenzene	U	J4	0.104	0.500	1	05/11/2020 04:43	WG1473710
Vinyl acetate	U		0.692	5.00	1	05/11/2020 04:43	WG1473710
Vinyl chloride	U		0.234	0.500	1	05/11/2020 04:43	WG1473710
Xylenes, Total	U		0.174	1.50	1	05/11/2020 04:43	WG1473710
(S) Toluene-d8	*107*			*80.0-120*		*05/11/2020 04:43*	WG1473710
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/11/2020 04:43*	WG1473710
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/11/2020 04:43*	WG1473710

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	604000		28100	66600	3.33	05/13/2020 16:02	WG1473769

Sample Narrative:
L1216431-06 WG1473769: 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	12400		379	1000	1	05/08/2020 14:46	WG1472616
Nitrate	U		48.0	100	1	05/08/2020 14:46	WG1472616
Sulfate	2190	J	594	5000	1	05/08/2020 14:46	WG1472616

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)	7160		102	1000	1	05/13/2020 02:55	WG1474460

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	16400		48.9	100	1	05/14/2020 00:48	WG1474279
Manganese	1620		6.60	25.0	5	05/14/2020 01:48	WG1474279

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	16700		2.87	6.78	10	05/14/2020 09:44	WG1475318
Ethane	U		0.296	1.29	1	05/13/2020 11:16	WG1474312
Ethene	U		0.422	1.27	1	05/13/2020 11:16	WG1474312

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	05/11/2020 05:03	WG1473710
Acrylonitrile	U		0.671	5.00	1	05/11/2020 05:03	WG1473710
Benzene	U		0.0941	0.500	1	05/11/2020 05:03	WG1473710
Bromobenzene	U	J4	0.118	0.500	1	05/11/2020 05:03	WG1473710
Bromodichloromethane	U		0.136	0.500	1	05/11/2020 05:03	WG1473710
Bromochloromethane	U		0.128	0.500	1	05/11/2020 05:03	WG1473710
Bromoform	U		0.129	0.500	1	05/11/2020 05:03	WG1473710
Bromomethane	U	J0	0.605	2.50	1	05/11/2020 05:03	WG1473710
n-Butylbenzene	U		0.157	0.500	1	05/11/2020 05:03	WG1473710
sec-Butylbenzene	U	J4	0.125	0.500	1	05/11/2020 05:03	WG1473710
tert-Butylbenzene	U	J4	0.127	0.500	1	05/11/2020 05:03	WG1473710
Carbon disulfide	U		0.0962	0.500	1	05/11/2020 05:03	WG1473710
Carbon tetrachloride	U		0.128	0.500	1	05/11/2020 05:03	WG1473710
Chlorobenzene	U		0.117	0.500	1	05/11/2020 05:03	WG1473710
Chlorodibromomethane	U		0.140	0.500	1	05/11/2020 05:03	WG1473710
Chloroethane	U	J0	0.192	2.50	1	05/11/2020 05:03	WG1473710
Chloroform	U		0.111	0.500	1	05/11/2020 05:03	WG1473710
Chloromethane	U		0.960	1.25	1	05/11/2020 05:03	WG1473710
2-Chlorotoluene	U	J4	0.106	0.500	1	05/11/2020 05:03	WG1473710
4-Chlorotoluene	U	J4	0.114	0.500	1	05/11/2020 05:03	WG1473710

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	05/11/2020 05:03	WG1473710
1,2-Dibromoethane	U		0.126	0.500	1	05/11/2020 05:03	WG1473710
Dibromomethane	U		0.122	0.500	1	05/11/2020 05:03	WG1473710
1,2-Dichlorobenzene	U		0.107	0.500	1	05/11/2020 05:03	WG1473710
1,3-Dichlorobenzene	U		0.299	0.500	1	05/11/2020 05:03	WG1473710
1,4-Dichlorobenzene	U		0.120	0.500	1	05/11/2020 05:03	WG1473710
Dichlorodifluoromethane	U		0.374	2.50	1	05/11/2020 05:03	WG1473710
1,1-Dichloroethane	U		0.100	0.500	1	05/11/2020 05:03	WG1473710
1,2-Dichloroethane	U		0.0819	0.500	1	05/11/2020 05:03	WG1473710
1,1-Dichloroethene	U		0.188	0.500	1	05/11/2020 05:03	WG1473710
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/11/2020 05:03	WG1473710
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/11/2020 05:03	WG1473710
1,2-Dichloropropane	U		0.149	0.500	1	05/11/2020 05:03	WG1473710
1,1-Dichloropropene	U		0.142	0.500	1	05/11/2020 05:03	WG1473710
1,3-Dichloropropane	U		0.109	1.00	1	05/11/2020 05:03	WG1473710
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/11/2020 05:03	WG1473710
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/11/2020 05:03	WG1473710
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/11/2020 05:03	WG1473710
2,2-Dichloropropane	U		0.161	0.500	1	05/11/2020 05:03	WG1473710
Di-isopropyl ether	U		0.105	0.500	1	05/11/2020 05:03	WG1473710
Ethylbenzene	U		0.137	0.500	1	05/11/2020 05:03	WG1473710
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/11/2020 05:03	WG1473710
2-Hexanone	U		0.787	5.00	1	05/11/2020 05:03	WG1473710
n-Hexane	U		0.749	5.00	1	05/11/2020 05:03	WG1473710
Iodomethane	U		0.554	5.00	1	05/11/2020 05:03	WG1473710
Isopropylbenzene	U		0.105	0.500	1	05/11/2020 05:03	WG1473710
p-Isopropyltoluene	U		0.120	0.500	1	05/11/2020 05:03	WG1473710
2-Butanone (MEK)	U		1.19	5.00	1	05/11/2020 05:03	WG1473710
Methylene Chloride	U		0.430	2.50	1	05/11/2020 05:03	WG1473710
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/11/2020 05:03	WG1473710
Methyl tert-butyl ether	U		0.101	0.500	1	05/11/2020 05:03	WG1473710
Naphthalene	U	J0	0.174	2.50	1	05/11/2020 05:03	WG1473710
n-Propylbenzene	U	J4	0.0993	0.500	1	05/11/2020 05:03	WG1473710
Styrene	U		0.118	0.500	1	05/11/2020 05:03	WG1473710
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/11/2020 05:03	WG1473710
1,1,2,2-Tetrachloroethane	U	J4	0.133	0.500	1	05/11/2020 05:03	WG1473710
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/11/2020 05:03	WG1473710
Tetrachloroethene	U		0.300	0.500	1	05/11/2020 05:03	WG1473710
Toluene	U		0.278	0.500	1	05/11/2020 05:03	WG1473710
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/11/2020 05:03	WG1473710
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/11/2020 05:03	WG1473710
1,1,1-Trichloroethane	U		0.149	0.500	1	05/11/2020 05:03	WG1473710
1,1,2-Trichloroethane	U		0.158	0.500	1	05/11/2020 05:03	WG1473710
Trichloroethene	U		0.190	0.500	1	05/11/2020 05:03	WG1473710
Trichlorofluoromethane	U		0.160	2.50	1	05/11/2020 05:03	WG1473710
1,2,3-Trichloropropane	U	J4	0.237	2.50	1	05/11/2020 05:03	WG1473710
1,2,4-Trimethylbenzene	U	J4	0.322	0.500	1	05/11/2020 05:03	WG1473710
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/11/2020 05:03	WG1473710
1,3,5-Trimethylbenzene	U	J4	0.104	0.500	1	05/11/2020 05:03	WG1473710
Vinyl acetate	U		0.692	5.00	1	05/11/2020 05:03	WG1473710
Vinyl chloride	U		0.234	0.500	1	05/11/2020 05:03	WG1473710
Xylenes, Total	U		0.174	1.50	1	05/11/2020 05:03	WG1473710
(S) Toluene-d8	*107*			*80.0-120*		*05/11/2020 05:03*	WG1473710
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*05/11/2020 05:03*	WG1473710
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*05/11/2020 05:03*	WG1473710

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	05/16/2020 14:35	WG1477184
(S) a,a,a-Trifluorotoluene(FID)	*96.6*			*78.0-120*		*05/16/2020 14:35*	WG1477184

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	05/10/2020 23:58	WG1473710
Acrylonitrile	U		0.671	5.00	1	05/10/2020 23:58	WG1473710
Benzene	U		0.0941	0.500	1	05/10/2020 23:58	WG1473710
Bromobenzene	U	J4	0.118	0.500	1	05/10/2020 23:58	WG1473710
Bromodichloromethane	U		0.136	0.500	1	05/10/2020 23:58	WG1473710
Bromochloromethane	U		0.128	0.500	1	05/10/2020 23:58	WG1473710
Bromoform	U		0.129	0.500	1	05/10/2020 23:58	WG1473710
Bromomethane	U	J0	0.605	2.50	1	05/10/2020 23:58	WG1473710
n-Butylbenzene	U		0.157	0.500	1	05/10/2020 23:58	WG1473710
sec-Butylbenzene	U	J4	0.125	0.500	1	05/10/2020 23:58	WG1473710
tert-Butylbenzene	U	J4	0.127	0.500	1	05/10/2020 23:58	WG1473710
Carbon disulfide	U		0.0962	0.500	1	05/10/2020 23:58	WG1473710
Carbon tetrachloride	U		0.128	0.500	1	05/10/2020 23:58	WG1473710
Chlorobenzene	U		0.117	0.500	1	05/10/2020 23:58	WG1473710
Chlorodibromomethane	U		0.140	0.500	1	05/10/2020 23:58	WG1473710
Chloroethane	U	J0	0.192	2.50	1	05/10/2020 23:58	WG1473710
Chloroform	U		0.111	0.500	1	05/10/2020 23:58	WG1473710
Chloromethane	U		0.960	1.25	1	05/10/2020 23:58	WG1473710
2-Chlorotoluene	U	J4	0.106	0.500	1	05/10/2020 23:58	WG1473710
4-Chlorotoluene	U	J4	0.114	0.500	1	05/10/2020 23:58	WG1473710
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/10/2020 23:58	WG1473710
1,2-Dibromoethane	U		0.126	0.500	1	05/10/2020 23:58	WG1473710
Dibromomethane	U		0.122	0.500	1	05/10/2020 23:58	WG1473710
1,2-Dichlorobenzene	U		0.107	0.500	1	05/10/2020 23:58	WG1473710
1,3-Dichlorobenzene	U		0.299	0.500	1	05/10/2020 23:58	WG1473710
1,4-Dichlorobenzene	U		0.120	0.500	1	05/10/2020 23:58	WG1473710
Dichlorodifluoromethane	U		0.374	2.50	1	05/10/2020 23:58	WG1473710
1,1-Dichloroethane	U		0.100	0.500	1	05/10/2020 23:58	WG1473710
1,2-Dichloroethane	U		0.0819	0.500	1	05/10/2020 23:58	WG1473710
1,1-Dichloroethene	U		0.188	0.500	1	05/10/2020 23:58	WG1473710
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/10/2020 23:58	WG1473710
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/10/2020 23:58	WG1473710
1,2-Dichloropropane	U		0.149	0.500	1	05/10/2020 23:58	WG1473710
1,1-Dichloropropene	U		0.142	0.500	1	05/10/2020 23:58	WG1473710
1,3-Dichloropropane	U		0.109	1.00	1	05/10/2020 23:58	WG1473710
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/10/2020 23:58	WG1473710
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/10/2020 23:58	WG1473710
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/10/2020 23:58	WG1473710
2,2-Dichloropropane	U		0.161	0.500	1	05/10/2020 23:58	WG1473710
Di-isopropyl ether	U		0.105	0.500	1	05/10/2020 23:58	WG1473710
Ethylbenzene	U		0.137	0.500	1	05/10/2020 23:58	WG1473710
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/10/2020 23:58	WG1473710
2-Hexanone	U		0.787	5.00	1	05/10/2020 23:58	WG1473710
n-Hexane	U		0.749	5.00	1	05/10/2020 23:58	WG1473710
Iodomethane	U		0.554	5.00	1	05/10/2020 23:58	WG1473710
Isopropylbenzene	0.107	B J	0.105	0.500	1	05/10/2020 23:58	WG1473710
p-Isopropyltoluene	U		0.120	0.500	1	05/10/2020 23:58	WG1473710
2-Butanone (MEK)	U		1.19	5.00	1	05/10/2020 23:58	WG1473710

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	05/10/2020 23:58	WG1473710
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/10/2020 23:58	WG1473710
Methyl tert-butyl ether	U		0.101	0.500	1	05/10/2020 23:58	WG1473710
Naphthalene	U	J0	0.174	2.50	1	05/10/2020 23:58	WG1473710
n-Propylbenzene	U	J4	0.0993	0.500	1	05/10/2020 23:58	WG1473710
Styrene	U		0.118	0.500	1	05/10/2020 23:58	WG1473710
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/10/2020 23:58	WG1473710
1,1,2,2-Tetrachloroethane	U	J4	0.133	0.500	1	05/10/2020 23:58	WG1473710
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/10/2020 23:58	WG1473710
Tetrachloroethene	U		0.300	0.500	1	05/10/2020 23:58	WG1473710
Toluene	U		0.278	0.500	1	05/10/2020 23:58	WG1473710
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/10/2020 23:58	WG1473710
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/10/2020 23:58	WG1473710
1,1,1-Trichloroethane	U		0.149	0.500	1	05/10/2020 23:58	WG1473710
1,1,2-Trichloroethane	U		0.158	0.500	1	05/10/2020 23:58	WG1473710
Trichloroethene	U		0.190	0.500	1	05/10/2020 23:58	WG1473710
Trichlorofluoromethane	U		0.160	2.50	1	05/10/2020 23:58	WG1473710
1,2,3-Trichloropropane	U	J4	0.237	2.50	1	05/10/2020 23:58	WG1473710
1,2,4-Trimethylbenzene	U	J4	0.322	0.500	1	05/10/2020 23:58	WG1473710
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/10/2020 23:58	WG1473710
1,3,5-Trimethylbenzene	U	J4	0.104	0.500	1	05/10/2020 23:58	WG1473710
Vinyl acetate	U		0.692	5.00	1	05/10/2020 23:58	WG1473710
Vinyl chloride	U		0.234	0.500	1	05/10/2020 23:58	WG1473710
Xylenes, Total	U		0.174	1.50	1	05/10/2020 23:58	WG1473710
(S) Toluene-d8	*106*			*80.0-120*		*05/10/2020 23:58*	WG1473710
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*05/10/2020 23:58*	WG1473710
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/10/2020 23:58*	WG1473710

Method Blank (MB)

(MB) R3527541-1 05/13/20 11:25

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

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3527541-3 05/13/20 11:48

Analyte	Original Result	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity		55200	1	0.867		20

Sample Narrative:

DUP: Endpoint pH 4.5

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3527541-6 05/13/20 14:44

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

Sample Narrative:

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3527541-5 05/13/20 13:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	96000	96.0	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3526152-1 05/08/20 08:38

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	403	J	379	1000
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1216431-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1216431-04 05/08/20 14:13 • (DUP) R3526152-4 05/08/20 14:24

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	8950	8950	1	0.00893		15
Nitrate	U	U	1	0.000		15
Sulfate	2620	2560	1	2.59	J	15

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3526152-7 05/08/20 17:39

Analyte	Original Result	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride		5180	1	1.87		15
Nitrate		3990	1	2.68		15
Sulfate		6520	1	1.86		15

Laboratory Control Sample (LCS)

(LCS) R3526152-2 05/08/20 08:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	38700	96.7	80.0-120	
Nitrate	8000	7670	95.8	80.0-120	
Sulfate	40000	38400	95.9	80.0-120	

L1216431-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1216431-03 05/08/20 13:51 • (MS) R3526152-3 05/08/20 14:02

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	10500	60100	99.3	1	80.0-120	
Nitrate	5000	U	4850	97.1	1	80.0-120	
Sulfate	50000	11000	60700	99.3	1	80.0-120	

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) • (MS) R3526152-5 05/08/20 16:56 • (MSD) R3526152-6 05/08/20 17:07

Analyte	Spike Amount ug/l	Original Result	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000		52100	52300	99.8	100	1	80.0-120			0.406	15
Nitrate	5000		7670	7520	108	105	1	80.0-120			2.04	15
Sulfate	50000		56900	57100	101	101	1	80.0-120			0.454	15

Method Blank (MB)

(MB) R3527307-1 05/12/20 13:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	213	J	102	1000

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3527307-3 05/12/20 16:10

Analyte	Original Result	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)		22700	1	0.976		20

Laboratory Control Sample (LCS)

(LCS) R3527307-2 05/12/20 14:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	75100	100	85.0-115	

L1216431-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1216431-03 05/13/20 01:12 • (MS) R3527307-7 05/13/20 01:34 • (MSD) R3527307-8 05/13/20 01:56

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	1630	52400	51700	101	100	1	80.0-120			1.29	20

Method Blank (MB)

(MB) R3527642-1 05/14/20 00:03

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) R3527642-2 05/14/20 00:07

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	5000	5080	102	80.0-120	
Manganese	50.0	50.6	101	80.0-120	

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) • (MS) R3527642-4 05/14/20 00:17 • (MSD) R3527642-5 05/14/20 00:20

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l		ug/l	ug/l	%	%		%			%	%
Iron	5000		5200	5030	101	97.4	1	75.0-125			3.29	20
Manganese	50.0		975	961	115	87.2	1	75.0-125			1.43	20

Method Blank (MB)

(MB) R3528687-2 05/16/20 10:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	37.9	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*96.6*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3528687-1 05/16/20 09:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	4960	90.2	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*78.0-120*	

Method Blank (MB)

(MB) R3528688-2 05/16/20 10:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	37.9	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*96.6*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3528688-1 05/16/20 09:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	4960	90.2	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*78.0-120*	

Method Blank (MB)

(MB) R3527354-2 05/13/20 09:56

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

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3527354-3 05/13/20 10:56

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

L1216431-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1216431-01 05/13/20 11:03 • (DUP) R3527354-4 05/13/20 11:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	177	175	1	1.14		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

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

(LCS) R3527354-1 05/13/20 09:51 • (LCSD) R3527354-5 05/13/20 11:33

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	66.4	67.3	97.9	99.3	85.0-115			1.35	20
Ethane	129	127	129	98.4	100	85.0-115			1.56	20
Ethene	127	121	123	95.3	96.9	85.0-115			1.64	20

Method Blank (MB)

(MB) R3527787-2 05/14/20 09:27

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

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3527787-3 05/14/20 10:07

Analyte	Original Result	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane		100	1	0.000		20

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3527787-4 05/14/20 11:09

Analyte	Original Result	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane		284	1	2.43		20

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

(LCS) R3527787-1 05/14/20 09:17 • (LCSD) R3527787-5 05/14/20 11:12

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	63.5	65.5	93.7	96.6	85.0-115			3.10	20

Method Blank (MB)

(MB) R3527982-2 05/10/20 22:24

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) R3527982-2 05/10/20 22:24

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		0.554	5.00
Isopropylbenzene	0.154	J	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	0.172	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	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

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

(LCS) R3527982-5 05/10/20 21:23 • (LCSD) R3527982-6 05/10/20 21:43

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 %
Acetone	25.0	32.9	29.7	132	119	19.0-160			10.2	27
Acrylonitrile	25.0	27.4	25.4	110	102	55.0-149			7.58	20
Benzene	5.00	4.90	4.65	98.0	93.0	70.0-123			5.24	20
Bromobenzene	5.00	7.16	6.82	143	136	73.0-121	J4	J4	4.86	20
Bromodichloromethane	5.00	4.81	4.73	96.2	94.6	75.0-120			1.68	20
Bromochloromethane	5.00	4.70	4.50	94.0	90.0	76.0-122			4.35	20
Bromoform	5.00	4.46	4.17	89.2	83.4	68.0-132			6.72	20
Bromomethane	5.00	3.26	3.05	65.2	61.0	10.0-160			6.66	25
n-Butylbenzene	5.00	4.68	4.45	93.6	89.0	73.0-125			5.04	20
sec-Butylbenzene	5.00	6.36	6.04	127	121	75.0-125	J4		5.16	20
tert-Butylbenzene	5.00	7.02	6.66	140	133	76.0-124	J4	J4	5.26	20
Carbon disulfide	5.00	5.22	4.91	104	98.2	61.0-128			6.12	20
Carbon tetrachloride	5.00	5.26	4.96	105	99.2	68.0-126			5.87	20
Chlorobenzene	5.00	4.40	4.16	88.0	83.2	80.0-121			5.61	20
Chlorodibromomethane	5.00	4.41	4.22	88.2	84.4	77.0-125			4.40	20
Chloroethane	5.00	3.99	3.55	79.8	71.0	47.0-150			11.7	20
Chloroform	5.00	4.40	4.25	88.0	85.0	73.0-120			3.47	20
Chloromethane	5.00	4.26	4.10	85.2	82.0	41.0-142			3.83	20
2-Chlorotoluene	5.00	7.31	6.88	146	138	76.0-123	J4	J4	6.06	20
4-Chlorotoluene	5.00	7.69	7.33	154	147	75.0-122	J4	J4	4.79	20
1,2-Dibromo-3-Chloropropane	5.00	4.43	4.18	88.6	83.6	58.0-134			5.81	20
1,2-Dibromoethane	5.00	4.79	4.61	95.8	92.2	80.0-122			3.83	20
Dibromomethane	5.00	4.84	4.69	96.8	93.8	80.0-120			3.15	20
1,2-Dichlorobenzene	5.00	4.70	4.45	94.0	89.0	79.0-121			5.46	20
1,3-Dichlorobenzene	5.00	4.75	4.46	95.0	89.2	79.0-120			6.30	20
1,4-Dichlorobenzene	5.00	4.45	4.26	89.0	85.2	79.0-120			4.36	20
Dichlorodifluoromethane	5.00	5.59	4.73	112	94.6	51.0-149			16.7	20
1,1-Dichloroethane	5.00	5.19	5.01	104	100	70.0-126			3.53	20
1,2-Dichloroethane	5.00	4.61	4.42	92.2	88.4	70.0-128			4.21	20
1,1-Dichloroethene	5.00	5.26	4.99	105	99.8	71.0-124			5.27	20
cis-1,2-Dichloroethene	5.00	4.92	4.69	98.4	93.8	73.0-120			4.79	20
trans-1,2-Dichloroethene	5.00	4.97	4.85	99.4	97.0	73.0-120			2.44	20
1,2-Dichloropropane	5.00	4.93	4.76	98.6	95.2	77.0-125			3.51	20
1,1-Dichloropropene	5.00	5.24	5.01	105	100	74.0-126			4.49	20
1,3-Dichloropropane	5.00	4.92	4.58	98.4	91.6	80.0-120			7.16	20
cis-1,3-Dichloropropene	5.00	4.78	4.59	95.6	91.8	80.0-123			4.06	20
trans-1,3-Dichloropropene	5.00	4.78	4.39	95.6	87.8	78.0-124			8.51	20
trans-1,4-Dichloro-2-butene	5.00	6.32	6.00	126	120	33.0-144			5.19	20
2,2-Dichloropropane	5.00	5.41	5.22	108	104	58.0-130			3.57	20
Di-isopropyl ether	5.00	5.31	5.12	106	102	58.0-138			3.64	20

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

(LCS) R3527982-5 05/10/20 21:23 • (LCSD) R3527982-6 05/10/20 21:43

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 %
Ethylbenzene	5.00	4.52	4.20	90.4	84.0	79.0-123			7.34	20
Hexachloro-1,3-butadiene	5.00	5.69	5.82	114	116	54.0-138			2.26	20
2-Hexanone	25.0	25.1	23.7	100	94.8	67.0-149			5.74	20
n-Hexane	5.00	5.63	5.58	113	112	57.0-133			0.892	20
Iodomethane	25.0	22.8	21.7	91.2	86.8	33.0-147			4.94	26
Isopropylbenzene	5.00	5.14	4.66	103	93.2	76.0-127			9.80	20
p-Isopropyltoluene	5.00	5.68	5.56	114	111	76.0-125			2.14	20
2-Butanone (MEK)	25.0	26.1	24.8	104	99.2	44.0-160			5.11	20
Methylene Chloride	5.00	4.77	4.56	95.4	91.2	67.0-120			4.50	20
4-Methyl-2-pentanone (MIBK)	25.0	25.0	23.5	100	94.0	68.0-142			6.19	20
Methyl tert-butyl ether	5.00	5.23	4.98	105	99.6	68.0-125			4.90	20
Naphthalene	5.00	3.91	3.96	78.2	79.2	54.0-135			1.27	20
n-Propylbenzene	5.00	7.25	6.90	145	138	77.0-124	J4	J4	4.95	20
Styrene	5.00	4.72	4.53	94.4	90.6	73.0-130			4.11	20
1,1,1,2-Tetrachloroethane	5.00	4.67	4.25	93.4	85.0	75.0-125			9.42	20
1,1,2,2-Tetrachloroethane	5.00	7.42	6.98	148	140	65.0-130	J4	J4	6.11	20
1,1,2-Trichlorotrifluoroethane	5.00	5.83	5.46	117	109	69.0-132			6.55	20
Tetrachloroethene	5.00	4.30	4.00	86.0	80.0	72.0-132			7.23	20
Toluene	5.00	4.63	4.33	92.6	86.6	79.0-120			6.70	20
1,2,3-Trichlorobenzene	5.00	4.94	4.83	98.8	96.6	50.0-138			2.25	20
1,2,4-Trichlorobenzene	5.00	4.51	4.57	90.2	91.4	57.0-137			1.32	20
1,1,1-Trichloroethane	5.00	5.00	4.73	100	94.6	73.0-124			5.55	20
1,1,2-Trichloroethane	5.00	4.82	4.47	96.4	89.4	80.0-120			7.53	20
Trichloroethene	5.00	4.53	4.20	90.6	84.0	78.0-124			7.56	20
Trichlorofluoromethane	5.00	5.23	4.91	105	98.2	59.0-147			6.31	20
1,2,3-Trichloropropane	5.00	7.28	6.88	146	138	73.0-130	J4	J4	5.65	20
1,2,4-Trimethylbenzene	5.00	6.59	6.19	132	124	76.0-121	J4	J4	6.26	20
1,2,3-Trimethylbenzene	5.00	4.78	4.49	95.6	89.8	77.0-120			6.26	20
1,3,5-Trimethylbenzene	5.00	7.32	6.90	146	138	76.0-122	J4	J4	5.91	20
Vinyl acetate	25.0	24.5	23.5	98.0	94.0	11.0-160			4.17	20
Vinyl chloride	5.00	4.18	3.81	83.6	76.2	67.0-131			9.26	20
Xylenes, Total	15.0	14.3	13.5	95.3	90.0	79.0-123			5.76	20
(S) Toluene-d8				*107*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*105*	*105*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*108*	*109*	*70.0-130*				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) • (MS) R3527982-3 05/11/20 06:24 • (MSD) R3527982-4 05/11/20 06:45

Analyte	Spike Amount ug/l	Original Result	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0		27.9	28.4	112	114	1	10.0-160			1.78	35
Acrylonitrile	25.0		25.1	25.7	100	103	1	21.0-160			2.36	32
Benzene	5.00		4.70	4.64	82.6	81.4	1	17.0-158			1.28	27
Bromobenzene	5.00		36.3	38.0	726	760	1	30.0-149	J5	J5	4.58	28
Bromodichloromethane	5.00		4.49	4.47	89.8	89.4	1	31.0-150			0.446	27
Bromochloromethane	5.00		3.91	4.07	78.2	81.4	1	38.0-142			4.01	26
Bromoform	5.00		3.77	4.41	75.4	88.2	1	29.0-150			15.6	29
Bromomethane	5.00		2.68	2.71	53.6	54.2	1	10.0-160			1.11	38
n-Butylbenzene	5.00		10.9	11.8	218	236	1	31.0-150	J5	J5	7.93	30
sec-Butylbenzene	5.00		29.7	30.5	594	610	1	33.0-155	J5	J5	2.66	29
tert-Butylbenzene	5.00		7.24	7.73	145	155	1	34.0-153		J5	6.55	28
Carbon disulfide	5.00		3.89	3.88	77.8	77.6	1	10.0-156			0.257	28
Carbon tetrachloride	5.00		4.88	4.97	97.6	99.4	1	23.0-159			1.83	28
Chlorobenzene	5.00		3.61	4.05	72.2	81.0	1	33.0-152			11.5	27
Chlorodibromomethane	5.00		3.48	4.18	69.6	83.6	1	37.0-149			18.3	27
Chloroethane	5.00		3.19	3.27	63.8	65.4	1	10.0-160			2.48	30
Chloroform	5.00		4.34	4.54	86.8	90.8	1	29.0-154			4.50	28
Chloromethane	5.00		3.51	3.69	70.2	73.8	1	10.0-160			5.00	29
2-Chlorotoluene	5.00		6.40	6.53	128	131	1	32.0-153			2.01	28
4-Chlorotoluene	5.00		6.79	6.82	136	136	1	32.0-150			0.441	28
1,2-Dibromo-3-Chloropropane	5.00		4.53	4.92	90.6	98.4	1	22.0-151			8.25	34
1,2-Dibromoethane	5.00		3.91	4.60	78.2	92.0	1	34.0-147			16.2	27
Dibromomethane	5.00		4.69	4.85	93.8	97.0	1	30.0-151			3.35	27
1,2-Dichlorobenzene	5.00		4.30	4.60	86.0	92.0	1	34.0-149			6.74	28
1,3-Dichlorobenzene	5.00		4.35	4.68	87.0	93.6	1	36.0-146			7.31	27
1,4-Dichlorobenzene	5.00		4.26	4.43	85.2	88.6	1	35.0-142			3.91	27
Dichlorodifluoromethane	5.00		5.15	5.18	103	104	1	10.0-160			0.581	29
1,1-Dichloroethane	5.00		4.47	4.50	89.4	90.0	1	25.0-158			0.669	27
1,2-Dichloroethane	5.00		3.98	0.609	79.6	12.2	1	29.0-151		J3 J6	147	27
1,1-Dichloroethene	5.00		4.48	4.52	89.6	90.4	1	11.0-160			0.889	29
cis-1,2-Dichloroethene	5.00		4.34	4.56	86.8	91.2	1	10.0-160			4.94	27
trans-1,2-Dichloroethene	5.00		4.23	4.20	84.6	84.0	1	17.0-153			0.712	27
1,2-Dichloropropane	5.00		4.87	4.93	97.4	98.6	1	30.0-156			1.22	27
1,1-Dichloropropene	5.00		4.78	4.72	95.6	94.4	1	25.0-158			1.26	27
1,3-Dichloropropane	5.00		3.79	4.33	75.8	86.6	1	38.0-147			13.3	27
cis-1,3-Dichloropropene	5.00		4.14	4.09	82.8	81.8	1	34.0-149			1.22	28
trans-1,3-Dichloropropene	5.00		3.64	4.22	72.8	84.4	1	32.0-149			14.8	28
trans-1,4-Dichloro-2-butene	5.00		4.74	4.24	94.8	84.8	1	10.0-157			11.1	37
2,2-Dichloropropane	5.00		4.74	4.75	94.8	95.0	1	24.0-152			0.211	29
Di-isopropyl ether	5.00		4.66	4.75	93.2	95.0	1	21.0-160			1.91	28

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) • (MS) R3527982-3 05/11/20 06:24 • (MSD) R3527982-4 05/11/20 06:45

Analyte	Spike Amount ug/l	Original Result	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00		4.41	5.08	72.2	85.6	1	30.0-155			14.1	27
Hexachloro-1,3-butadiene	5.00		5.41	6.05	108	121	1	20.0-154			11.2	34
2-Hexanone	25.0		20.5	22.5	82.0	90.0	1	21.0-160			9.30	29
n-Hexane	5.00		5.00	5.03	100	101	1	10.0-153			0.598	28
Iodomethane	25.0		19.5	20.1	78.0	80.4	1	10.0-160			3.03	40
Isopropylbenzene	5.00		179	206	0.000	0.000	1	28.0-157	V	E V	14.0	27
p-Isopropyltoluene	5.00		5.71	5.97	114	119	1	30.0-154			4.45	29
2-Butanone (MEK)	25.0		25.5	26.0	102	104	1	10.0-160			1.94	32
Methylene Chloride	5.00		3.93	3.99	78.6	79.8	1	23.0-144			1.52	28
4-Methyl-2-pentanone (MIBK)	25.0		19.6	22.6	78.4	90.4	1	29.0-160			14.2	29
Methyl tert-butyl ether	5.00		4.56	4.66	88.9	90.9	1	28.0-150			2.17	29
Naphthalene	5.00		4.34	5.01	86.8	100	1	12.0-156			14.3	35
n-Propylbenzene	5.00		314	328	6280	6560	1	31.0-154	E J5	E J5	4.36	28
Styrene	5.00		3.99	4.62	79.8	92.4	1	33.0-155			14.6	28
1,1,1,2-Tetrachloroethane	5.00		3.80	4.31	76.0	86.2	1	36.0-151			12.6	29
1,1,2,2-Tetrachloroethane	5.00		6.23	6.43	125	129	1	33.0-150			3.16	28
1,1,2-Trichlorotrifluoroethane	5.00		5.21	4.90	104	98.0	1	23.0-160			6.13	30
Tetrachloroethene	5.00		3.75	4.16	75.0	83.2	1	10.0-160			10.4	27
Toluene	5.00		4.19	4.72	70.1	80.7	1	26.0-154			11.9	28
1,2,3-Trichlorobenzene	5.00		4.74	5.31	94.8	106	1	17.0-150			11.3	36
1,2,4-Trichlorobenzene	5.00		4.66	5.35	93.2	107	1	24.0-150			13.8	33
1,1,1-Trichloroethane	5.00		4.61	4.72	92.2	94.4	1	23.0-160			2.36	28
1,1,2-Trichloroethane	5.00		5.16	6.06	103	121	1	35.0-147			16.0	27
Trichloroethene	5.00		4.20	4.17	84.0	83.4	1	10.0-160			0.717	25
Trichlorofluoromethane	5.00		4.78	4.85	95.6	97.0	1	17.0-160			1.45	31
1,2,3-Trichloropropane	5.00		6.37	6.60	127	132	1	34.0-151			3.55	29
1,2,4-Trimethylbenzene	5.00		5.96	6.14	119	123	1	26.0-154			2.98	27
1,2,3-Trimethylbenzene	5.00		6.24	6.62	125	132	1	32.0-149			5.91	28
1,3,5-Trimethylbenzene	5.00		6.96	7.12	139	142	1	28.0-153			2.27	27
Vinyl acetate	25.0		21.7	22.0	86.8	88.0	1	12.0-160			1.37	31
Vinyl chloride	5.00		3.45	3.41	69.0	68.2	1	10.0-160			1.17	27
Xylenes, Total	15.0		13.9	16.0	74.4	88.4	1	29.0-154			14.0	28
(S) Toluene-d8					*90.1*	*101*		*80.0-120*				
(S) 4-Bromofluorobenzene					*91.7*	*102*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*109*	*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
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.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

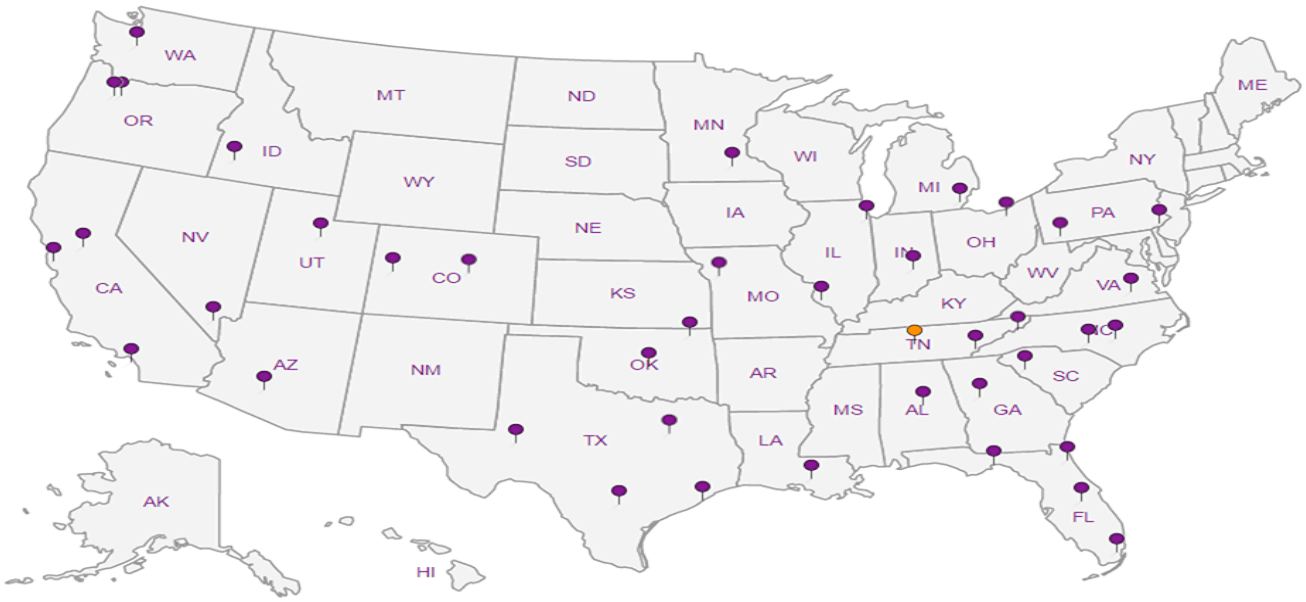
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

Our Locations

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



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 # 1413.001.02.50/E

Lab Project # PESENVSWA-ALP

Collected by (print): HRC/BLH/SK

Site/Facility ID #

P.O. #

Collected by (signature): Hannah Cohn

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,Cl,SO4 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM RSK175LL 40mlAmb-HCl	NWTPHGX 40mlAmb HCl	TOC 250mlHDPE-HCl #2	Total Fe Mn 6020 250mlHDPE-HNO3 #2	VOCs 8260D LL 40mlAmb-HCl				
MW-303-050720	Grab	GW	77	5/7/20	1000	12	X	X	X	X	X	X	X				-01
MW-302-050720	"	GW	60	"	1010	12	X	X	X	X	X	X	X				-02
MW-304-050720	"	GW	110	"	1015	12	X	X	X	X	X	X	X				-03
MW112-050720	"	GW	80	"	1215	12	X	X	X	X	X	X	X				-04
MW-337-050720	"	GW	15	"	1230	9	X	X	X		X	X	X				-05
MW-338-050720	"	GW	49	"	1335	9	X	X	X		X	X	X				-06
TB-050720	-	GW	-	"	1400	2				X			X				-07
		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 # L1216431

C207

Acctnum: PESENVSWA

Template: T166998

Prelogin: P770399

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.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1749 9997 2318

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) Hannah Cohn	Date: 5/7/20	Time: 1445	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR 2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.1+0=1.1 °C Bottles Received: 66	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/8/20 Time: 8145	Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 19, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1216893
Samples Received:	05/09/2020
Project Number:	1413.001.02.501E
Description:	American Linen
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By:

Jared Starkey
Project Manager

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

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MW-138-050820 L1216893-01 GW

Collected by	Collected date/time	Received date/time
HRC	05/08/20 09:35	05/09/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1476787	1	05/17/20 22:33	05/17/20 22:33	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1473225	1	05/09/20 21:13	05/09/20 21:13	ST	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1476027	1	05/15/20 03:27	05/15/20 03:27	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1474279	1	05/13/20 18:55	05/14/20 01:30	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1477292	1	05/17/20 01:27	05/17/20 01:27	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1475017	1	05/13/20 12:48	05/13/20 12:48	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1475072	1	05/13/20 12:24	05/13/20 12:24	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.

Jared Starkey
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	101000		8450	20000	1	05/17/2020 22:33	WG1476787

Sample Narrative:

L1216893-01 WG1476787: 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	10300		379	1000	1	05/09/2020 21:13	WG1473225
Nitrate	U		48.0	100	1	05/09/2020 21:13	WG1473225
Sulfate	36000		594	5000	1	05/09/2020 21:13	WG1473225

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)	1140	B	102	1000	1	05/15/2020 03:27	WG1476027

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	45000		48.9	100	1	05/14/2020 01:30	WG1474279
Manganese	895		1.32	5.00	1	05/14/2020 01:30	WG1474279

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	53.4	B J	31.6	100	1	05/17/2020 01:27	WG1477292
(S) a,a,a-Trifluorotoluene(FID)	*94.3*			*78.0-120*		*05/17/2020 01:27*	WG1477292

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	398		0.287	0.678	1	05/13/2020 12:48	WG1475017
Ethane	U		0.296	1.29	1	05/13/2020 12:48	WG1475017
Ethene	U		0.422	1.27	1	05/13/2020 12:48	WG1475017

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	05/13/2020 12:24	WG1475072
Acrylonitrile	U		0.671	5.00	1	05/13/2020 12:24	WG1475072
Benzene	U		0.0941	0.500	1	05/13/2020 12:24	WG1475072
Bromobenzene	U		0.118	0.500	1	05/13/2020 12:24	WG1475072
Bromodichloromethane	U		0.136	0.500	1	05/13/2020 12:24	WG1475072
Bromochloromethane	U		0.128	0.500	1	05/13/2020 12:24	WG1475072
Bromoform	U		0.129	0.500	1	05/13/2020 12:24	WG1475072
Bromomethane	U		0.605	2.50	1	05/13/2020 12:24	WG1475072
n-Butylbenzene	U		0.157	0.500	1	05/13/2020 12:24	WG1475072
sec-Butylbenzene	U		0.125	0.500	1	05/13/2020 12:24	WG1475072
tert-Butylbenzene	U		0.127	0.500	1	05/13/2020 12:24	WG1475072
Carbon disulfide	U		0.0962	0.500	1	05/13/2020 12:24	WG1475072
Carbon tetrachloride	U		0.128	0.500	1	05/13/2020 12:24	WG1475072

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	05/13/2020 12:24	WG1475072
Chlorodibromomethane	U		0.140	0.500	1	05/13/2020 12:24	WG1475072
Chloroethane	U		0.192	2.50	1	05/13/2020 12:24	WG1475072
Chloroform	U		0.111	0.500	1	05/13/2020 12:24	WG1475072
Chloromethane	U		0.960	1.25	1	05/13/2020 12:24	WG1475072
2-Chlorotoluene	U		0.106	0.500	1	05/13/2020 12:24	WG1475072
4-Chlorotoluene	U		0.114	0.500	1	05/13/2020 12:24	WG1475072
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/13/2020 12:24	WG1475072
1,2-Dibromoethane	U		0.126	0.500	1	05/13/2020 12:24	WG1475072
Dibromomethane	U		0.122	0.500	1	05/13/2020 12:24	WG1475072
1,2-Dichlorobenzene	U		0.107	0.500	1	05/13/2020 12:24	WG1475072
1,3-Dichlorobenzene	U		0.299	0.500	1	05/13/2020 12:24	WG1475072
1,4-Dichlorobenzene	U		0.120	0.500	1	05/13/2020 12:24	WG1475072
Dichlorodifluoromethane	U		0.374	2.50	1	05/13/2020 12:24	WG1475072
1,1-Dichloroethane	U		0.100	0.500	1	05/13/2020 12:24	WG1475072
1,2-Dichloroethane	U		0.0819	0.500	1	05/13/2020 12:24	WG1475072
1,1-Dichloroethene	U		0.188	0.500	1	05/13/2020 12:24	WG1475072
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/13/2020 12:24	WG1475072
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/13/2020 12:24	WG1475072
1,2-Dichloropropane	U		0.149	0.500	1	05/13/2020 12:24	WG1475072
1,1-Dichloropropene	U		0.142	0.500	1	05/13/2020 12:24	WG1475072
1,3-Dichloropropane	U		0.109	1.00	1	05/13/2020 12:24	WG1475072
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/13/2020 12:24	WG1475072
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/13/2020 12:24	WG1475072
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/13/2020 12:24	WG1475072
2,2-Dichloropropane	U		0.161	0.500	1	05/13/2020 12:24	WG1475072
Di-isopropyl ether	U		0.105	0.500	1	05/13/2020 12:24	WG1475072
Ethylbenzene	U		0.137	0.500	1	05/13/2020 12:24	WG1475072
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/13/2020 12:24	WG1475072
2-Hexanone	U		0.787	5.00	1	05/13/2020 12:24	WG1475072
n-Hexane	U		0.749	5.00	1	05/13/2020 12:24	WG1475072
Iodomethane	U		0.554	5.00	1	05/13/2020 12:24	WG1475072
Isopropylbenzene	U		0.105	0.500	1	05/13/2020 12:24	WG1475072
p-Isopropyltoluene	U		0.120	0.500	1	05/13/2020 12:24	WG1475072
2-Butanone (MEK)	U		1.19	5.00	1	05/13/2020 12:24	WG1475072
Methylene Chloride	U		0.430	2.50	1	05/13/2020 12:24	WG1475072
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/13/2020 12:24	WG1475072
Methyl tert-butyl ether	U		0.101	0.500	1	05/13/2020 12:24	WG1475072
Naphthalene	0.184	J	0.174	2.50	1	05/13/2020 12:24	WG1475072
n-Propylbenzene	U		0.0993	0.500	1	05/13/2020 12:24	WG1475072
Styrene	U		0.118	0.500	1	05/13/2020 12:24	WG1475072
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/13/2020 12:24	WG1475072
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/13/2020 12:24	WG1475072
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/13/2020 12:24	WG1475072
Tetrachloroethene	U		0.300	0.500	1	05/13/2020 12:24	WG1475072
Toluene	U		0.278	0.500	1	05/13/2020 12:24	WG1475072
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/13/2020 12:24	WG1475072
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/13/2020 12:24	WG1475072
1,1,1-Trichloroethane	U		0.149	0.500	1	05/13/2020 12:24	WG1475072
1,1,2-Trichloroethane	U		0.158	0.500	1	05/13/2020 12:24	WG1475072
Trichloroethene	U		0.190	0.500	1	05/13/2020 12:24	WG1475072
Trichlorofluoromethane	U		0.160	2.50	1	05/13/2020 12:24	WG1475072
1,2,3-Trichloropropane	U		0.237	2.50	1	05/13/2020 12:24	WG1475072
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/13/2020 12:24	WG1475072
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/13/2020 12:24	WG1475072
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/13/2020 12:24	WG1475072

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	05/13/2020 12:24	WG1475072
Vinyl chloride	U		0.234	0.500	1	05/13/2020 12:24	WG1475072
Xylenes, Total	U		0.174	1.50	1	05/13/2020 12:24	WG1475072
(S) Toluene-d8	*108*			*80.0-120*		*05/13/2020 12:24*	WG1475072
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*05/13/2020 12:24*	WG1475072
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/13/2020 12:24*	WG1475072

Method Blank (MB)

(MB) R3528857-1 05/17/20 22:07

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1217196-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1217196-01 05/17/20 22:42 • (DUP) R3528857-2 05/17/20 22:49

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Alkalinity	377000	378000	1	0.256		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3528857-3 05/17/20 23:32

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Alkalinity	100000	97800	97.8	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3526399-1 05/09/20 10:57

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

Laboratory Control Sample (LCS)

(LCS) R3526399-2 05/09/20 11:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39200	98.0	80.0-120	
Nitrate	8000	7960	99.5	80.0-120	
Sulfate	40000	39600	99.0	80.0-120	

Method Blank (MB)

(MB) R3528248-1 05/14/20 22:07

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	281	J	102	1000

L1216893-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1216893-01 05/15/20 03:27 • (DUP) R3528248-7 05/15/20 03:42

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	1140	1170	1	2.95		20

Laboratory Control Sample (LCS)

(LCS) R3528248-2 05/14/20 22:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	73300	97.8	85.0-115	

L1215837-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1215837-04 05/14/20 23:21 • (MS) R3528248-3 05/14/20 23:40 • (MSD) R3528248-4 05/14/20 23:56

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	440	49000	47200	97.1	93.5	1	80.0-120			3.78	20

L1215837-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1215837-06 05/15/20 00:26 • (MS) R3528248-5 05/15/20 01:43 • (MSD) R3528248-6 05/15/20 01:59

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 (Total Organic Carbon)	50000	293	47200	48500	93.8	96.5	1	80.0-120			2.74	20

Method Blank (MB)

(MB) R3527642-1 05/14/20 00:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	U		48.9	100
Manganese	U		1.32	5.00

Laboratory Control Sample (LCS)

(LCS) R3527642-2 05/14/20 00:07

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	50.6	101	80.0-120	

Method Blank (MB)

(MB) R3528760-2 05/16/20 23:38

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	45.6	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*94.0*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3528760-1 05/16/20 22:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5230	95.1	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*108*	*78.0-120*	

L1216893-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1216893-01 05/17/20 01:27 • (MS) R3528760-3 05/17/20 07:17 • (MSD) R3528760-4 05/17/20 07:38

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 %
Gasoline Range Organics-NWTPH	5500	53.4	5290	5170	95.2	93.0	1	10.0-155			2.29	21
(S) a,a,a-Trifluorotoluene(FID)					*108*	*107*		*78.0-120*				

Method Blank (MB)

(MB) R3527430-2 05/13/20 11:43

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

L1216893-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1216893-01 05/13/20 12:48 • (DUP) R3527430-3 05/13/20 13:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	398	405	1	1.74		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1216983-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1216983-01 05/13/20 13:13 • (DUP) R3527430-4 05/13/20 13:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	39.7	33.4	1	17.2		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

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

(LCS) R3527430-1 05/13/20 11:33 • (LCSD) R3527430-5 05/13/20 13:48

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	67.3	67.8	99.3	100	85.0-115			0.740	20
Ethane	129	129	129	100	100	85.0-115			0.000	20
Ethene	127	123	123	96.9	96.9	85.0-115			0.000	20

Method Blank (MB)

(MB) R3527494-2 05/13/20 08:35

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) R3527494-2 05/13/20 08:35

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		0.554	5.00
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	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3527494-1 05/13/20 07:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	33.6	134	19.0-160	
Acrylonitrile	25.0	20.8	83.2	55.0-149	
Benzene	5.00	4.62	92.4	70.0-123	
Bromobenzene	5.00	4.37	87.4	73.0-121	
Bromodichloromethane	5.00	5.18	104	75.0-120	
Bromochloromethane	5.00	5.45	109	76.0-122	
Bromoform	5.00	4.90	98.0	68.0-132	
Bromomethane	5.00	5.60	112	10.0-160	
n-Butylbenzene	5.00	4.41	88.2	73.0-125	
sec-Butylbenzene	5.00	4.80	96.0	75.0-125	
tert-Butylbenzene	5.00	4.73	94.6	76.0-124	
Carbon disulfide	5.00	5.53	111	61.0-128	
Carbon tetrachloride	5.00	5.28	106	68.0-126	
Chlorobenzene	5.00	4.88	97.6	80.0-121	
Chlorodibromomethane	5.00	5.03	101	77.0-125	
Chloroethane	5.00	6.00	120	47.0-150	
Chloroform	5.00	4.90	98.0	73.0-120	
Chloromethane	5.00	5.10	102	41.0-142	
2-Chlorotoluene	5.00	4.57	91.4	76.0-123	
4-Chlorotoluene	5.00	4.69	93.8	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.51	90.2	58.0-134	
1,2-Dibromoethane	5.00	5.00	100	80.0-122	
Dibromomethane	5.00	4.84	96.8	80.0-120	
1,2-Dichlorobenzene	5.00	4.62	92.4	79.0-121	
1,3-Dichlorobenzene	5.00	4.70	94.0	79.0-120	
1,4-Dichlorobenzene	5.00	4.56	91.2	79.0-120	
trans-1,4-Dichloro-2-butene	5.00	4.75	95.0	33.0-144	
Dichlorodifluoromethane	5.00	5.33	107	51.0-149	
1,1-Dichloroethane	5.00	4.95	99.0	70.0-126	
1,2-Dichloroethane	5.00	4.80	96.0	70.0-128	
1,1-Dichloroethene	5.00	5.59	112	71.0-124	
cis-1,2-Dichloroethene	5.00	5.09	102	73.0-120	
trans-1,2-Dichloroethene	5.00	5.40	108	73.0-120	
1,2-Dichloropropane	5.00	4.62	92.4	77.0-125	
1,1-Dichloropropene	5.00	5.22	104	74.0-126	
1,3-Dichloropropane	5.00	5.03	101	80.0-120	
cis-1,3-Dichloropropene	5.00	4.87	97.4	80.0-123	
trans-1,3-Dichloropropene	5.00	5.08	102	78.0-124	
2,2-Dichloropropane	5.00	4.94	98.8	58.0-130	
Di-isopropyl ether	5.00	4.87	97.4	58.0-138	

Laboratory Control Sample (LCS)

(LCS) R3527494-1 05/13/20 07:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	5.00	4.85	97.0	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.26	85.2	54.0-138	
2-Hexanone	25.0	28.4	114	67.0-149	
n-Hexane	5.00	5.69	114	57.0-133	
Iodomethane	25.0	27.9	112	33.0-147	
Isopropylbenzene	5.00	5.00	100	76.0-127	
p-Isopropyltoluene	5.00	4.78	95.6	76.0-125	
2-Butanone (MEK)	25.0	31.5	126	44.0-160	
Methylene Chloride	5.00	5.07	101	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	26.5	106	68.0-142	
Methyl tert-butyl ether	5.00	4.68	93.6	68.0-125	
Naphthalene	5.00	3.85	77.0	54.0-135	
n-Propylbenzene	5.00	4.41	88.2	77.0-124	
Styrene	5.00	4.84	96.8	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.12	102	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.20	84.0	65.0-130	
Tetrachloroethene	5.00	5.29	106	72.0-132	
Toluene	5.00	4.59	91.8	79.0-120	
1,1,2-Trichlorotrifluoroethane	5.00	5.63	113	69.0-132	
1,2,3-Trichlorobenzene	5.00	4.01	80.2	50.0-138	
1,2,4-Trichlorobenzene	5.00	3.99	79.8	57.0-137	
1,1,1-Trichloroethane	5.00	5.58	112	73.0-124	
1,1,2-Trichloroethane	5.00	5.12	102	80.0-120	
Trichloroethene	5.00	5.22	104	78.0-124	
Trichlorofluoromethane	5.00	6.03	121	59.0-147	
1,2,3-Trichloropropane	5.00	5.05	101	73.0-130	
1,2,3-Trimethylbenzene	5.00	4.51	90.2	77.0-120	
1,2,4-Trimethylbenzene	5.00	4.66	93.2	76.0-121	
1,3,5-Trimethylbenzene	5.00	4.59	91.8	76.0-122	
Vinyl acetate	25.0	24.6	98.4	11.0-160	
Vinyl chloride	5.00	5.57	111	67.0-131	
Xylenes, Total	15.0	14.5	96.7	79.0-123	
(S) Toluene-d8			*106*	*80.0-120*	
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*116*	*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
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

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

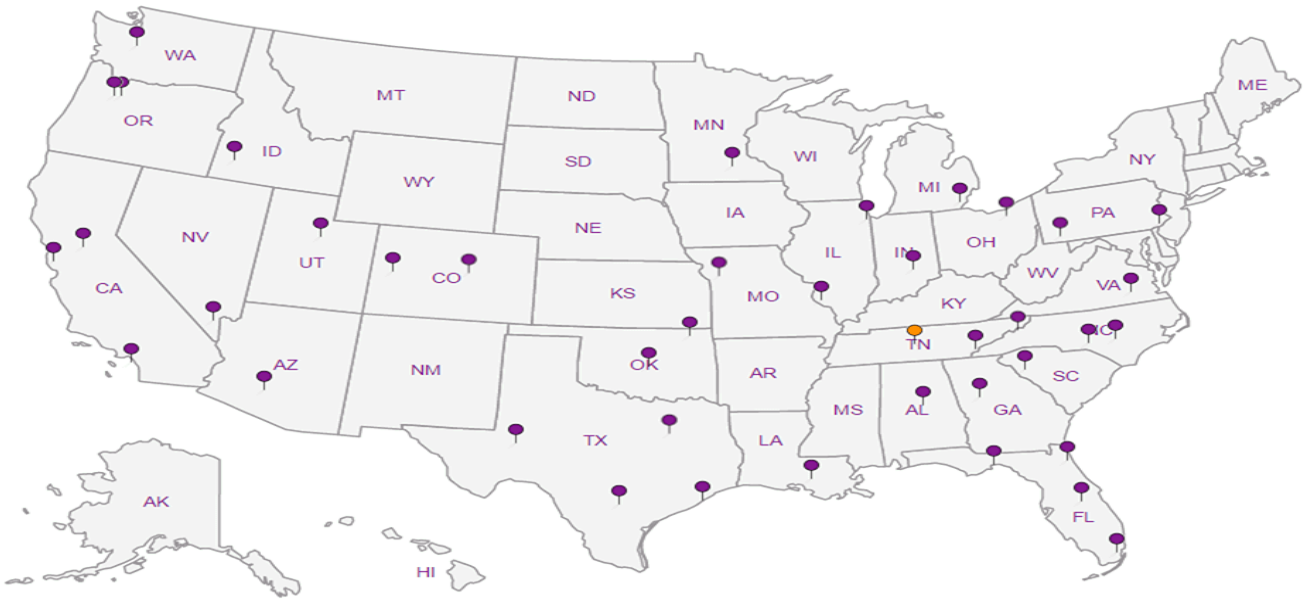
Third Party Federal Accreditations

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 # 1413.001.02.501E

Lab Project # PESENVSWA-ALP

Collected by (print): HRC

Site/Facility ID #

P.O. #

Collected by (signature): HRC

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

No of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No of Cntrs	*NO3,Cl,SO4 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM RSK175LL 40mlAmb-HCl	NWTPHGX 40mlAmb HCl	TOC 250mlHDPE-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	VOCs 8260D LL 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-138-050820	Grab	GW	110	5/8/20	935	12	X	X	X	X	X	X	X		-01
		GW													
		GW													
		GW													
		GW													
		GW													
		GW													
		GW													
		GW													
		GW													

HRC

<2 <2

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 # 1216893

J143

Acctnum: PESENVSWA

Template: T166998

Prelogin: P770399

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 X FedEx __ Courier _____

Tracking # 1749 9998 9997

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
Hrh Cohn	5/8/20	1100			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: UPA2 °C Bottles Received: 2.8-.2=2.6 12	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) M Pappas	Date: 5-9-20 Time: 845	Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 20, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1217858
Samples Received:	05/13/2020
Project Number:	1413.001.02.501E
Description:	American Linen

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

Entire Report Reviewed By:

Jared Starkey
Project Manager

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

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BB-8-051220 L1217858-01 GW

Collected by: Hannah Cohen
Collected date/time: 05/12/20 08:25
Received date/time: 05/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1475287	1	05/19/20 16:23	05/19/20 16:23	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1475245	1	05/13/20 16:54	05/13/20 16:54	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1476840	1	05/16/20 06:42	05/16/20 06:42	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1475685	1	05/15/20 00:58	05/15/20 10:49	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1478160	1	05/19/20 16:27	05/19/20 16:27	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1478419	1	05/19/20 11:18	05/19/20 11:18	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1477040	1	05/16/20 02:37	05/16/20 02:37	JAH	Mt. Juliet, TN

MW105-051220 L1217858-02 GW

Collected by: Hannah Cohen
Collected date/time: 05/12/20 10:20
Received date/time: 05/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1475287	1	05/19/20 16:31	05/19/20 16:31	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1475245	1	05/13/20 18:09	05/13/20 18:09	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1476840	1	05/16/20 07:02	05/16/20 07:02	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1475685	1	05/15/20 00:58	05/15/20 10:53	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1478160	1	05/19/20 16:49	05/19/20 16:49	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1478419	1	05/19/20 11:20	05/19/20 11:20	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1477040	1	05/16/20 02:56	05/16/20 02:56	JAH	Mt. Juliet, TN

MW-341-051220 L1217858-03 GW

Collected by: Hannah Cohen
Collected date/time: 05/12/20 13:05
Received date/time: 05/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1475287	1	05/19/20 16:40	05/19/20 16:40	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1475245	1	05/13/20 18:24	05/13/20 18:24	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1476840	1	05/16/20 07:18	05/16/20 07:18	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1475685	1	05/15/20 00:58	05/15/20 10:56	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1478419	1	05/19/20 11:23	05/19/20 11:23	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1477040	1	05/16/20 03:16	05/16/20 03:16	JAH	Mt. Juliet, TN

MW-340-051220 L1217858-04 GW

Collected by: Hannah Cohen
Collected date/time: 05/12/20 14:35
Received date/time: 05/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1475287	1	05/19/20 16:48	05/19/20 16:48	DGR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1475245	1	05/13/20 18:39	05/13/20 18:39	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1476840	1	05/16/20 07:33	05/16/20 07:33	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1475685	1	05/15/20 00:58	05/15/20 10:59	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1478419	1	05/19/20 11:32	05/19/20 11:32	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1479116	10	05/20/20 10:43	05/20/20 10:43	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1477040	1	05/16/20 03:35	05/16/20 03:35	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.

Jared Starkey
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	210000		8450	20000	1	05/19/2020 16:23	WG1475287

Sample Narrative:
L1217858-01 WG1475287: 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	17900		379	1000	1	05/13/2020 16:54	WG1475245
Nitrate	2980		48.0	100	1	05/13/2020 16:54	WG1475245
Sulfate	87300		594	5000	1	05/13/2020 16:54	WG1475245

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)	3090		102	1000	1	05/16/2020 06:42	WG1476840

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	533		48.9	100	1	05/15/2020 10:49	WG1475685
Manganese	86.5		1.32	5.00	1	05/15/2020 10:49	WG1475685

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	101	B	31.6	100	1	05/19/2020 16:27	WG1478160
(S) a,a,a-Trifluorotoluene(FID)	*94.0*			*78.0-120*		*05/19/2020 16:27*	WG1478160

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	05/19/2020 11:18	WG1478419
Ethane	U		0.296	1.29	1	05/19/2020 11:18	WG1478419
Ethene	U		0.422	1.27	1	05/19/2020 11:18	WG1478419

Volatile 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	05/16/2020 02:37	WG1477040
Acrylonitrile	U		0.671	5.00	1	05/16/2020 02:37	WG1477040
Benzene	U		0.0941	0.500	1	05/16/2020 02:37	WG1477040
Bromobenzene	U		0.118	0.500	1	05/16/2020 02:37	WG1477040
Bromodichloromethane	U		0.136	0.500	1	05/16/2020 02:37	WG1477040
Bromochloromethane	U		0.128	0.500	1	05/16/2020 02:37	WG1477040
Bromoform	U		0.129	0.500	1	05/16/2020 02:37	WG1477040
Bromomethane	U		0.605	2.50	1	05/16/2020 02:37	WG1477040
n-Butylbenzene	U		0.157	0.500	1	05/16/2020 02:37	WG1477040
sec-Butylbenzene	U		0.125	0.500	1	05/16/2020 02:37	WG1477040
tert-Butylbenzene	U		0.127	0.500	1	05/16/2020 02:37	WG1477040
Carbon disulfide	U		0.0962	0.500	1	05/16/2020 02:37	WG1477040
Carbon tetrachloride	U		0.128	0.500	1	05/16/2020 02:37	WG1477040

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.117	0.500	1	05/16/2020 02:37	WG1477040
Chlorodibromomethane	U		0.140	0.500	1	05/16/2020 02:37	WG1477040
Chloroethane	U		0.192	2.50	1	05/16/2020 02:37	WG1477040
Chloroform	U		0.111	0.500	1	05/16/2020 02:37	WG1477040
Chloromethane	U		0.960	1.25	1	05/16/2020 02:37	WG1477040
2-Chlorotoluene	U		0.106	0.500	1	05/16/2020 02:37	WG1477040
4-Chlorotoluene	U		0.114	0.500	1	05/16/2020 02:37	WG1477040
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/16/2020 02:37	WG1477040
1,2-Dibromoethane	U		0.126	0.500	1	05/16/2020 02:37	WG1477040
Dibromomethane	U		0.122	0.500	1	05/16/2020 02:37	WG1477040
1,2-Dichlorobenzene	U		0.107	0.500	1	05/16/2020 02:37	WG1477040
1,3-Dichlorobenzene	U		0.299	0.500	1	05/16/2020 02:37	WG1477040
1,4-Dichlorobenzene	U		0.120	0.500	1	05/16/2020 02:37	WG1477040
Dichlorodifluoromethane	U		0.374	2.50	1	05/16/2020 02:37	WG1477040
1,1-Dichloroethane	U		0.100	0.500	1	05/16/2020 02:37	WG1477040
1,2-Dichloroethane	U		0.0819	0.500	1	05/16/2020 02:37	WG1477040
1,1-Dichloroethene	U		0.188	0.500	1	05/16/2020 02:37	WG1477040
cis-1,2-Dichloroethene	17.6		0.126	0.500	1	05/16/2020 02:37	WG1477040
trans-1,2-Dichloroethene	0.282	J	0.149	0.500	1	05/16/2020 02:37	WG1477040
1,2-Dichloropropane	U		0.149	0.500	1	05/16/2020 02:37	WG1477040
1,1-Dichloropropene	U		0.142	0.500	1	05/16/2020 02:37	WG1477040
1,3-Dichloropropane	U		0.109	1.00	1	05/16/2020 02:37	WG1477040
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/16/2020 02:37	WG1477040
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/16/2020 02:37	WG1477040
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/16/2020 02:37	WG1477040
2,2-Dichloropropane	U		0.161	0.500	1	05/16/2020 02:37	WG1477040
Di-isopropyl ether	U		0.105	0.500	1	05/16/2020 02:37	WG1477040
Ethylbenzene	U		0.137	0.500	1	05/16/2020 02:37	WG1477040
Hexachloro-1,3-butadiene	U	J0	0.337	1.00	1	05/16/2020 02:37	WG1477040
2-Hexanone	U		0.787	5.00	1	05/16/2020 02:37	WG1477040
n-Hexane	U		0.749	5.00	1	05/16/2020 02:37	WG1477040
Iodomethane	U		0.554	5.00	1	05/16/2020 02:37	WG1477040
Isopropylbenzene	U		0.105	0.500	1	05/16/2020 02:37	WG1477040
p-Isopropyltoluene	U		0.120	0.500	1	05/16/2020 02:37	WG1477040
2-Butanone (MEK)	U		1.19	5.00	1	05/16/2020 02:37	WG1477040
Methylene Chloride	U		0.430	2.50	1	05/16/2020 02:37	WG1477040
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/16/2020 02:37	WG1477040
Methyl tert-butyl ether	U		0.101	0.500	1	05/16/2020 02:37	WG1477040
Naphthalene	U	J0	0.174	2.50	1	05/16/2020 02:37	WG1477040
n-Propylbenzene	U		0.0993	0.500	1	05/16/2020 02:37	WG1477040
Styrene	U		0.118	0.500	1	05/16/2020 02:37	WG1477040
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/16/2020 02:37	WG1477040
1,1,2,2-Tetrachloroethane	U	J0	0.133	0.500	1	05/16/2020 02:37	WG1477040
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/16/2020 02:37	WG1477040
Tetrachloroethene	142		0.300	0.500	1	05/16/2020 02:37	WG1477040
Toluene	0.682		0.278	0.500	1	05/16/2020 02:37	WG1477040
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	05/16/2020 02:37	WG1477040
1,2,4-Trichlorobenzene	U	J0	0.481	1.00	1	05/16/2020 02:37	WG1477040
1,1,1-Trichloroethane	U		0.149	0.500	1	05/16/2020 02:37	WG1477040
1,1,2-Trichloroethane	U		0.158	0.500	1	05/16/2020 02:37	WG1477040
Trichloroethene	30.8		0.190	0.500	1	05/16/2020 02:37	WG1477040
Trichlorofluoromethane	U		0.160	2.50	1	05/16/2020 02:37	WG1477040
1,2,3-Trichloropropane	U		0.237	2.50	1	05/16/2020 02:37	WG1477040
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/16/2020 02:37	WG1477040
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/16/2020 02:37	WG1477040
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/16/2020 02:37	WG1477040

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	05/16/2020 02:37	WG1477040
Vinyl chloride	U		0.234	0.500	1	05/16/2020 02:37	WG1477040
Xylenes, Total	0.387	J	0.174	1.50	1	05/16/2020 02:37	WG1477040
(S) Toluene-d8	*108*			*80.0-120*		*05/16/2020 02:37*	WG1477040
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*05/16/2020 02:37*	WG1477040
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/16/2020 02:37*	WG1477040

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		8450	20000	1	05/19/2020 16:31	WG1475287

Sample Narrative:

L1217858-02 WG1475287: 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	33500		379	1000	1	05/13/2020 18:09	WG1475245
Nitrate	U		48.0	100	1	05/13/2020 18:09	WG1475245
Sulfate	16300		594	5000	1	05/13/2020 18:09	WG1475245

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)	3810		102	1000	1	05/16/2020 07:02	WG1476840

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1960		48.9	100	1	05/15/2020 10:53	WG1475685
Manganese	854		1.32	5.00	1	05/15/2020 10:53	WG1475685

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	52.7	B J	31.6	100	1	05/19/2020 16:49	WG1478160
(S) a,a,a-Trifluorotoluene(FID)	*94.2*			*78.0-120*		*05/19/2020 16:49*	WG1478160

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	61.2		0.287	0.678	1	05/19/2020 11:20	WG1478419
Ethane	U		0.296	1.29	1	05/19/2020 11:20	WG1478419
Ethene	U		0.422	1.27	1	05/19/2020 11:20	WG1478419

Volatile 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	05/16/2020 02:56	WG1477040
Acrylonitrile	U		0.671	5.00	1	05/16/2020 02:56	WG1477040
Benzene	U		0.0941	0.500	1	05/16/2020 02:56	WG1477040
Bromobenzene	U		0.118	0.500	1	05/16/2020 02:56	WG1477040
Bromodichloromethane	U		0.136	0.500	1	05/16/2020 02:56	WG1477040
Bromochloromethane	U		0.128	0.500	1	05/16/2020 02:56	WG1477040
Bromoform	U		0.129	0.500	1	05/16/2020 02:56	WG1477040
Bromomethane	U		0.605	2.50	1	05/16/2020 02:56	WG1477040
n-Butylbenzene	U		0.157	0.500	1	05/16/2020 02:56	WG1477040
sec-Butylbenzene	U		0.125	0.500	1	05/16/2020 02:56	WG1477040
tert-Butylbenzene	U		0.127	0.500	1	05/16/2020 02:56	WG1477040
Carbon disulfide	U		0.0962	0.500	1	05/16/2020 02:56	WG1477040
Carbon tetrachloride	U		0.128	0.500	1	05/16/2020 02:56	WG1477040

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.117	0.500	1	05/16/2020 02:56	WG1477040
Chlorodibromomethane	U		0.140	0.500	1	05/16/2020 02:56	WG1477040
Chloroethane	U		0.192	2.50	1	05/16/2020 02:56	WG1477040
Chloroform	U		0.111	0.500	1	05/16/2020 02:56	WG1477040
Chloromethane	U		0.960	1.25	1	05/16/2020 02:56	WG1477040
2-Chlorotoluene	U		0.106	0.500	1	05/16/2020 02:56	WG1477040
4-Chlorotoluene	U		0.114	0.500	1	05/16/2020 02:56	WG1477040
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/16/2020 02:56	WG1477040
1,2-Dibromoethane	U		0.126	0.500	1	05/16/2020 02:56	WG1477040
Dibromomethane	U		0.122	0.500	1	05/16/2020 02:56	WG1477040
1,2-Dichlorobenzene	U		0.107	0.500	1	05/16/2020 02:56	WG1477040
1,3-Dichlorobenzene	U		0.299	0.500	1	05/16/2020 02:56	WG1477040
1,4-Dichlorobenzene	U		0.120	0.500	1	05/16/2020 02:56	WG1477040
Dichlorodifluoromethane	U		0.374	2.50	1	05/16/2020 02:56	WG1477040
1,1-Dichloroethane	U		0.100	0.500	1	05/16/2020 02:56	WG1477040
1,2-Dichloroethane	U		0.0819	0.500	1	05/16/2020 02:56	WG1477040
1,1-Dichloroethene	0.194	J	0.188	0.500	1	05/16/2020 02:56	WG1477040
cis-1,2-Dichloroethene	0.805		0.126	0.500	1	05/16/2020 02:56	WG1477040
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/16/2020 02:56	WG1477040
1,2-Dichloropropane	U		0.149	0.500	1	05/16/2020 02:56	WG1477040
1,1-Dichloropropene	U		0.142	0.500	1	05/16/2020 02:56	WG1477040
1,3-Dichloropropane	U		0.109	1.00	1	05/16/2020 02:56	WG1477040
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/16/2020 02:56	WG1477040
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/16/2020 02:56	WG1477040
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/16/2020 02:56	WG1477040
2,2-Dichloropropane	U		0.161	0.500	1	05/16/2020 02:56	WG1477040
Di-isopropyl ether	U		0.105	0.500	1	05/16/2020 02:56	WG1477040
Ethylbenzene	U		0.137	0.500	1	05/16/2020 02:56	WG1477040
Hexachloro-1,3-butadiene	U	J0	0.337	1.00	1	05/16/2020 02:56	WG1477040
2-Hexanone	U		0.787	5.00	1	05/16/2020 02:56	WG1477040
n-Hexane	U		0.749	5.00	1	05/16/2020 02:56	WG1477040
Iodomethane	U		0.554	5.00	1	05/16/2020 02:56	WG1477040
Isopropylbenzene	U		0.105	0.500	1	05/16/2020 02:56	WG1477040
p-Isopropyltoluene	U		0.120	0.500	1	05/16/2020 02:56	WG1477040
2-Butanone (MEK)	U	J0	1.19	5.00	1	05/16/2020 02:56	WG1477040
Methylene Chloride	U		0.430	2.50	1	05/16/2020 02:56	WG1477040
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/16/2020 02:56	WG1477040
Methyl tert-butyl ether	U		0.101	0.500	1	05/16/2020 02:56	WG1477040
Naphthalene	U	J0	0.174	2.50	1	05/16/2020 02:56	WG1477040
n-Propylbenzene	U		0.0993	0.500	1	05/16/2020 02:56	WG1477040
Styrene	U		0.118	0.500	1	05/16/2020 02:56	WG1477040
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/16/2020 02:56	WG1477040
1,1,2,2-Tetrachloroethane	U	J0	0.133	0.500	1	05/16/2020 02:56	WG1477040
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/16/2020 02:56	WG1477040
Tetrachloroethene	U		0.300	0.500	1	05/16/2020 02:56	WG1477040
Toluene	0.635		0.278	0.500	1	05/16/2020 02:56	WG1477040
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	05/16/2020 02:56	WG1477040
1,2,4-Trichlorobenzene	U	J0	0.481	1.00	1	05/16/2020 02:56	WG1477040
1,1,1-Trichloroethane	U		0.149	0.500	1	05/16/2020 02:56	WG1477040
1,1,2-Trichloroethane	U		0.158	0.500	1	05/16/2020 02:56	WG1477040
Trichloroethene	1.02		0.190	0.500	1	05/16/2020 02:56	WG1477040
Trichlorofluoromethane	U		0.160	2.50	1	05/16/2020 02:56	WG1477040
1,2,3-Trichloropropane	U		0.237	2.50	1	05/16/2020 02:56	WG1477040
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/16/2020 02:56	WG1477040
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/16/2020 02:56	WG1477040
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/16/2020 02:56	WG1477040

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	05/16/2020 02:56	WG1477040
Vinyl chloride	U		0.234	0.500	1	05/16/2020 02:56	WG1477040
Xylenes, Total	0.193	J	0.174	1.50	1	05/16/2020 02:56	WG1477040
(S) Toluene-d8	*105*			*80.0-120*		*05/16/2020 02:56*	WG1477040
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*05/16/2020 02:56*	WG1477040
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*05/16/2020 02:56*	WG1477040

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	05/19/2020 16:40	WG1475287

Sample Narrative:
L1217858-03 WG1475287: 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	19100		379	1000	1	05/13/2020 18:24	WG1475245
Nitrate	U		48.0	100	1	05/13/2020 18:24	WG1475245
Sulfate	16500		594	5000	1	05/13/2020 18:24	WG1475245

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)	4910		102	1000	1	05/16/2020 07:18	WG1476840

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	9230		48.9	100	1	05/15/2020 10:56	WG1475685
Manganese	819		1.32	5.00	1	05/15/2020 10:56	WG1475685

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	1450		0.287	0.678	1	05/19/2020 11:23	WG1478419
Ethane	11.1		0.296	1.29	1	05/19/2020 11:23	WG1478419
Ethene	U		0.422	1.27	1	05/19/2020 11:23	WG1478419

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	05/16/2020 03:16	WG1477040
Acrylonitrile	U		0.671	5.00	1	05/16/2020 03:16	WG1477040
Benzene	16.2		0.0941	0.500	1	05/16/2020 03:16	WG1477040
Bromobenzene	U		0.118	0.500	1	05/16/2020 03:16	WG1477040
Bromodichloromethane	U		0.136	0.500	1	05/16/2020 03:16	WG1477040
Bromochloromethane	U		0.128	0.500	1	05/16/2020 03:16	WG1477040
Bromoform	U		0.129	0.500	1	05/16/2020 03:16	WG1477040
Bromomethane	U		0.605	2.50	1	05/16/2020 03:16	WG1477040
n-Butylbenzene	U		0.157	0.500	1	05/16/2020 03:16	WG1477040
sec-Butylbenzene	U		0.125	0.500	1	05/16/2020 03:16	WG1477040
tert-Butylbenzene	U		0.127	0.500	1	05/16/2020 03:16	WG1477040
Carbon disulfide	U		0.0962	0.500	1	05/16/2020 03:16	WG1477040
Carbon tetrachloride	U		0.128	0.500	1	05/16/2020 03:16	WG1477040
Chlorobenzene	U		0.117	0.500	1	05/16/2020 03:16	WG1477040
Chlorodibromomethane	U		0.140	0.500	1	05/16/2020 03:16	WG1477040
Chloroethane	U		0.192	2.50	1	05/16/2020 03:16	WG1477040
Chloroform	U		0.111	0.500	1	05/16/2020 03:16	WG1477040
Chloromethane	U		0.960	1.25	1	05/16/2020 03:16	WG1477040
2-Chlorotoluene	U		0.106	0.500	1	05/16/2020 03:16	WG1477040
4-Chlorotoluene	U		0.114	0.500	1	05/16/2020 03:16	WG1477040

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	05/16/2020 03:16	WG1477040
1,2-Dibromoethane	U		0.126	0.500	1	05/16/2020 03:16	WG1477040
Dibromomethane	U		0.122	0.500	1	05/16/2020 03:16	WG1477040
1,2-Dichlorobenzene	U		0.107	0.500	1	05/16/2020 03:16	WG1477040
1,3-Dichlorobenzene	U		0.299	0.500	1	05/16/2020 03:16	WG1477040
1,4-Dichlorobenzene	U		0.120	0.500	1	05/16/2020 03:16	WG1477040
Dichlorodifluoromethane	U		0.374	2.50	1	05/16/2020 03:16	WG1477040
1,1-Dichloroethane	U		0.100	0.500	1	05/16/2020 03:16	WG1477040
1,2-Dichloroethane	U		0.0819	0.500	1	05/16/2020 03:16	WG1477040
1,1-Dichloroethene	U		0.188	0.500	1	05/16/2020 03:16	WG1477040
cis-1,2-Dichloroethene	41.4		0.126	0.500	1	05/16/2020 03:16	WG1477040
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/16/2020 03:16	WG1477040
1,2-Dichloropropane	U		0.149	0.500	1	05/16/2020 03:16	WG1477040
1,1-Dichloropropene	U		0.142	0.500	1	05/16/2020 03:16	WG1477040
1,3-Dichloropropane	U		0.109	1.00	1	05/16/2020 03:16	WG1477040
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/16/2020 03:16	WG1477040
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/16/2020 03:16	WG1477040
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/16/2020 03:16	WG1477040
2,2-Dichloropropane	U		0.161	0.500	1	05/16/2020 03:16	WG1477040
Di-isopropyl ether	0.179	J	0.105	0.500	1	05/16/2020 03:16	WG1477040
Ethylbenzene	U		0.137	0.500	1	05/16/2020 03:16	WG1477040
Hexachloro-1,3-butadiene	U	J0	0.337	1.00	1	05/16/2020 03:16	WG1477040
2-Hexanone	U		0.787	5.00	1	05/16/2020 03:16	WG1477040
n-Hexane	U		0.749	5.00	1	05/16/2020 03:16	WG1477040
Iodomethane	U		0.554	5.00	1	05/16/2020 03:16	WG1477040
Isopropylbenzene	U		0.105	0.500	1	05/16/2020 03:16	WG1477040
p-Isopropyltoluene	U		0.120	0.500	1	05/16/2020 03:16	WG1477040
2-Butanone (MEK)	U		1.19	5.00	1	05/16/2020 03:16	WG1477040
Methylene Chloride	U		0.430	2.50	1	05/16/2020 03:16	WG1477040
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/16/2020 03:16	WG1477040
Methyl tert-butyl ether	U		0.101	0.500	1	05/16/2020 03:16	WG1477040
Naphthalene	U	J0	0.174	2.50	1	05/16/2020 03:16	WG1477040
n-Propylbenzene	U		0.0993	0.500	1	05/16/2020 03:16	WG1477040
Styrene	U		0.118	0.500	1	05/16/2020 03:16	WG1477040
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/16/2020 03:16	WG1477040
1,1,2,2-Tetrachloroethane	U	J0	0.133	0.500	1	05/16/2020 03:16	WG1477040
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/16/2020 03:16	WG1477040
Tetrachloroethene	U		0.300	0.500	1	05/16/2020 03:16	WG1477040
Toluene	U		0.278	0.500	1	05/16/2020 03:16	WG1477040
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	05/16/2020 03:16	WG1477040
1,2,4-Trichlorobenzene	U	J0	0.481	1.00	1	05/16/2020 03:16	WG1477040
1,1,1-Trichloroethane	U		0.149	0.500	1	05/16/2020 03:16	WG1477040
1,1,2-Trichloroethane	U		0.158	0.500	1	05/16/2020 03:16	WG1477040
Trichloroethene	U		0.190	0.500	1	05/16/2020 03:16	WG1477040
Trichlorofluoromethane	U		0.160	2.50	1	05/16/2020 03:16	WG1477040
1,2,3-Trichloropropane	U		0.237	2.50	1	05/16/2020 03:16	WG1477040
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/16/2020 03:16	WG1477040
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/16/2020 03:16	WG1477040
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/16/2020 03:16	WG1477040
Vinyl acetate	U		0.692	5.00	1	05/16/2020 03:16	WG1477040
Vinyl chloride	10.4		0.234	0.500	1	05/16/2020 03:16	WG1477040
Xylenes, Total	U		0.174	1.50	1	05/16/2020 03:16	WG1477040
(S) Toluene-d8	*109*			*80.0-120*		*05/16/2020 03:16*	WG1477040
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*05/16/2020 03:16*	WG1477040
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*05/16/2020 03:16*	WG1477040

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	545000		8450	20000	1	05/19/2020 16:48	WG1475287

Sample Narrative:
L1217858-04 WG1475287: 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	12800		379	1000	1	05/13/2020 18:39	WG1475245
Nitrate	U		48.0	100	1	05/13/2020 18:39	WG1475245
Sulfate	2310	J	594	5000	1	05/13/2020 18:39	WG1475245

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)	6540		102	1000	1	05/16/2020 07:33	WG1476840

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	14200		48.9	100	1	05/15/2020 10:59	WG1475685
Manganese	1900		1.32	5.00	1	05/15/2020 10:59	WG1475685

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	19600		2.87	6.78	10	05/20/2020 10:43	WG1479116
Ethane	U		0.296	1.29	1	05/19/2020 11:32	WG1478419
Ethene	U		0.422	1.27	1	05/19/2020 11:32	WG1478419

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	05/16/2020 03:35	WG1477040
Acrylonitrile	U		0.671	5.00	1	05/16/2020 03:35	WG1477040
Benzene	U		0.0941	0.500	1	05/16/2020 03:35	WG1477040
Bromobenzene	U		0.118	0.500	1	05/16/2020 03:35	WG1477040
Bromodichloromethane	U		0.136	0.500	1	05/16/2020 03:35	WG1477040
Bromochloromethane	U		0.128	0.500	1	05/16/2020 03:35	WG1477040
Bromoform	U		0.129	0.500	1	05/16/2020 03:35	WG1477040
Bromomethane	U		0.605	2.50	1	05/16/2020 03:35	WG1477040
n-Butylbenzene	U		0.157	0.500	1	05/16/2020 03:35	WG1477040
sec-Butylbenzene	U		0.125	0.500	1	05/16/2020 03:35	WG1477040
tert-Butylbenzene	U		0.127	0.500	1	05/16/2020 03:35	WG1477040
Carbon disulfide	U		0.0962	0.500	1	05/16/2020 03:35	WG1477040
Carbon tetrachloride	U		0.128	0.500	1	05/16/2020 03:35	WG1477040
Chlorobenzene	U		0.117	0.500	1	05/16/2020 03:35	WG1477040
Chlorodibromomethane	U		0.140	0.500	1	05/16/2020 03:35	WG1477040
Chloroethane	U		0.192	2.50	1	05/16/2020 03:35	WG1477040
Chloroform	U		0.111	0.500	1	05/16/2020 03:35	WG1477040
Chloromethane	U		0.960	1.25	1	05/16/2020 03:35	WG1477040
2-Chlorotoluene	U		0.106	0.500	1	05/16/2020 03:35	WG1477040
4-Chlorotoluene	U		0.114	0.500	1	05/16/2020 03:35	WG1477040

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	05/16/2020 03:35	WG1477040
1,2-Dibromoethane	U		0.126	0.500	1	05/16/2020 03:35	WG1477040
Dibromomethane	U		0.122	0.500	1	05/16/2020 03:35	WG1477040
1,2-Dichlorobenzene	U		0.107	0.500	1	05/16/2020 03:35	WG1477040
1,3-Dichlorobenzene	U		0.299	0.500	1	05/16/2020 03:35	WG1477040
1,4-Dichlorobenzene	U		0.120	0.500	1	05/16/2020 03:35	WG1477040
Dichlorodifluoromethane	U		0.374	2.50	1	05/16/2020 03:35	WG1477040
1,1-Dichloroethane	U		0.100	0.500	1	05/16/2020 03:35	WG1477040
1,2-Dichloroethane	U		0.0819	0.500	1	05/16/2020 03:35	WG1477040
1,1-Dichloroethene	U		0.188	0.500	1	05/16/2020 03:35	WG1477040
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/16/2020 03:35	WG1477040
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/16/2020 03:35	WG1477040
1,2-Dichloropropane	U		0.149	0.500	1	05/16/2020 03:35	WG1477040
1,1-Dichloropropene	U		0.142	0.500	1	05/16/2020 03:35	WG1477040
1,3-Dichloropropane	U		0.109	1.00	1	05/16/2020 03:35	WG1477040
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/16/2020 03:35	WG1477040
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/16/2020 03:35	WG1477040
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/16/2020 03:35	WG1477040
2,2-Dichloropropane	U		0.161	0.500	1	05/16/2020 03:35	WG1477040
Di-isopropyl ether	U		0.105	0.500	1	05/16/2020 03:35	WG1477040
Ethylbenzene	U		0.137	0.500	1	05/16/2020 03:35	WG1477040
Hexachloro-1,3-butadiene	U	J0	0.337	1.00	1	05/16/2020 03:35	WG1477040
2-Hexanone	U		0.787	5.00	1	05/16/2020 03:35	WG1477040
n-Hexane	U		0.749	5.00	1	05/16/2020 03:35	WG1477040
Iodomethane	U		0.554	5.00	1	05/16/2020 03:35	WG1477040
Isopropylbenzene	U		0.105	0.500	1	05/16/2020 03:35	WG1477040
p-Isopropyltoluene	U		0.120	0.500	1	05/16/2020 03:35	WG1477040
2-Butanone (MEK)	U		1.19	5.00	1	05/16/2020 03:35	WG1477040
Methylene Chloride	U		0.430	2.50	1	05/16/2020 03:35	WG1477040
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/16/2020 03:35	WG1477040
Methyl tert-butyl ether	U		0.101	0.500	1	05/16/2020 03:35	WG1477040
Naphthalene	U	J0	0.174	2.50	1	05/16/2020 03:35	WG1477040
n-Propylbenzene	U		0.0993	0.500	1	05/16/2020 03:35	WG1477040
Styrene	U		0.118	0.500	1	05/16/2020 03:35	WG1477040
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/16/2020 03:35	WG1477040
1,1,2,2-Tetrachloroethane	U	J0	0.133	0.500	1	05/16/2020 03:35	WG1477040
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/16/2020 03:35	WG1477040
Tetrachloroethene	U		0.300	0.500	1	05/16/2020 03:35	WG1477040
Toluene	0.428	J	0.278	0.500	1	05/16/2020 03:35	WG1477040
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	05/16/2020 03:35	WG1477040
1,2,4-Trichlorobenzene	U	J0	0.481	1.00	1	05/16/2020 03:35	WG1477040
1,1,1-Trichloroethane	U		0.149	0.500	1	05/16/2020 03:35	WG1477040
1,1,2-Trichloroethane	U		0.158	0.500	1	05/16/2020 03:35	WG1477040
Trichloroethene	U		0.190	0.500	1	05/16/2020 03:35	WG1477040
Trichlorofluoromethane	U		0.160	2.50	1	05/16/2020 03:35	WG1477040
1,2,3-Trichloropropane	U		0.237	2.50	1	05/16/2020 03:35	WG1477040
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/16/2020 03:35	WG1477040
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/16/2020 03:35	WG1477040
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/16/2020 03:35	WG1477040
Vinyl acetate	U		0.692	5.00	1	05/16/2020 03:35	WG1477040
Vinyl chloride	U		0.234	0.500	1	05/16/2020 03:35	WG1477040
Xylenes, Total	0.635	J	0.174	1.50	1	05/16/2020 03:35	WG1477040
(S) Toluene-d8	*106*			*80.0-120*		*05/16/2020 03:35*	WG1477040
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/16/2020 03:35*	WG1477040
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*05/16/2020 03:35*	WG1477040

Method Blank (MB)

(MB) R3529682-1 05/19/20 13:53

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) R3529682-5 05/19/20 15:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	99700	99.7	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3527960-1 05/13/20 13:20

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

L1217852-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1217852-04 05/13/20 16:09 • (DUP) R3527960-3 05/13/20 16:24

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	14800000	14800000	1	0.00195	E	15
Nitrate	U	U	1	0.000		15
Sulfate	1840000	1820000	1	1.10	E	15

Sample Narrative:

OS: Confirmed BDL for Nitrate on multiple instruments

L1217878-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1217878-02 05/13/20 21:08 • (DUP) R3527960-7 05/13/20 21:23

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1650	1650	1	0.0545		15
Nitrate	910	904	1	0.606		15
Sulfate	1050	1080	1	2.62	J	15

Laboratory Control Sample (LCS)

(LCS) R3527960-2 05/13/20 13:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39100	97.8	80.0-120	
Nitrate	8000	7900	98.8	80.0-120	
Sulfate	40000	41400	103	80.0-120	

L1217858-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1217858-01 05/13/20 16:54 • (MS) R3527960-4 05/13/20 17:09 • (MSD) R3527960-5 05/13/20 17:54

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	67700	67300	99.6	98.7	1	80.0-120			0.630	15
Nitrate	5000	2980	8100	7990	102	100	1	80.0-120			1.37	15
Sulfate	50000	87300	130000	130000	84.9	84.9	1	80.0-120	E	E	0.0133	15

L1217871-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1217871-02 05/13/20 19:38 • (MS) R3527960-6 05/13/20 19:53

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	8080	57200	98.3	1	80.0-120	
Nitrate	5000	U	4820	96.5	1	80.0-120	
Sulfate	50000	101000	140000	79.5	1	80.0-120	E J6

Method Blank (MB)

(MB) R3528554-1 05/15/20 23:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	247	J	102	1000

L1217750-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1217750-03 05/16/20 01:36 • (DUP) R3528554-3 05/16/20 01:50

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	724	746	1	3.10	J	20

L1217750-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1217750-09 05/16/20 04:55 • (DUP) R3528554-4 05/16/20 05:09

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	788	801	1	1.62	J	20

Laboratory Control Sample (LCS)

(LCS) R3528554-2 05/16/20 00:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	73900	98.5	85.0-115	

L1217858-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1217858-04 05/16/20 07:33 • (MS) R3528554-5 05/16/20 07:50 • (MSD) R3528554-6 05/16/20 08:11

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	6540	54800	55100	96.5	97.1	1	80.0-120			0.546	20

L1217750-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1217750-05 05/16/20 03:25 • (MS) R3528554-7 05/16/20 03:41 • (MSD) R3528554-8 05/16/20 03:58

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 %
TOC (Total Organic Carbon)	50000	1480	49600	48700	96.3	94.5	1	80.0-120			1.87	20

Method Blank (MB)

(MB) R3528272-1 05/15/20 10:28

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	U		48.9	100
Manganese	U		1.32	5.00

Laboratory Control Sample (LCS)

(LCS) R3528272-2 05/15/20 10:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	5000	5010	100	80.0-120	
Manganese	50.0	48.6	97.2	80.0-120	

Method Blank (MB)

(MB) R3529929-2 05/19/20 13:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	65.7	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*93.8*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3529929-3 05/19/20 13:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	4660	84.7	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*96.3*	*78.0-120*	

Method Blank (MB)

(MB) R3529554-2 05/19/20 10:59

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

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

(LCS) R3529554-1 05/19/20 10:55 • (LCSD) R3529554-5 05/19/20 13:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	64.2	63.3	94.7	93.4	85.0-115			1.41	20
Ethane	129	124	123	96.1	95.3	85.0-115			0.810	20
Ethene	127	119	118	93.7	92.9	85.0-115			0.844	20

Method Blank (MB)

(MB) R3529884-2 05/20/20 09:43

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

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3529884-3 05/20/20 11:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
		ug/l		%		%
Methane		7770	10	0.641		20

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

(LCS) R3529884-1 05/20/20 09:30 • (LCSD) R3529884-5 05/20/20 11:56

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	64.5	64.0	95.1	94.4	85.0-115			0.778	20

Method Blank (MB)

(MB) R3528736-2 05/15/20 21:28

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) R3528736-2 05/15/20 21:28

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		0.554	5.00
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	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3528736-1 05/15/20 20:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	32.1	128	19.0-160	
Acrylonitrile	25.0	20.9	83.6	55.0-149	
Benzene	5.00	4.30	86.0	70.0-123	
Bromobenzene	5.00	4.02	80.4	73.0-121	
Bromodichloromethane	5.00	4.97	99.4	75.0-120	
Bromochloromethane	5.00	5.15	103	76.0-122	
Bromoform	5.00	4.83	96.6	68.0-132	
Bromomethane	5.00	5.28	106	10.0-160	
n-Butylbenzene	5.00	4.08	81.6	73.0-125	
sec-Butylbenzene	5.00	4.22	84.4	75.0-125	
tert-Butylbenzene	5.00	4.12	82.4	76.0-124	
Carbon disulfide	5.00	5.03	101	61.0-128	
Carbon tetrachloride	5.00	5.00	100	68.0-126	
Chlorobenzene	5.00	4.45	89.0	80.0-121	
Chlorodibromomethane	5.00	4.90	98.0	77.0-125	
Chloroethane	5.00	5.20	104	47.0-150	
Chloroform	5.00	4.67	93.4	73.0-120	
Chloromethane	5.00	4.75	95.0	41.0-142	
2-Chlorotoluene	5.00	4.02	80.4	76.0-123	
4-Chlorotoluene	5.00	4.22	84.4	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.14	82.8	58.0-134	
1,2-Dibromoethane	5.00	4.58	91.6	80.0-122	
Dibromomethane	5.00	4.85	97.0	80.0-120	
1,2-Dichlorobenzene	5.00	4.27	85.4	79.0-121	
1,3-Dichlorobenzene	5.00	4.33	86.6	79.0-120	
1,4-Dichlorobenzene	5.00	4.37	87.4	79.0-120	
trans-1,4-Dichloro-2-butene	5.00	4.28	85.6	33.0-144	
Dichlorodifluoromethane	5.00	4.72	94.4	51.0-149	
1,1-Dichloroethane	5.00	4.57	91.4	70.0-126	
1,2-Dichloroethane	5.00	4.64	92.8	70.0-128	
1,1-Dichloroethene	5.00	5.11	102	71.0-124	
cis-1,2-Dichloroethene	5.00	5.04	101	73.0-120	
trans-1,2-Dichloroethene	5.00	4.78	95.6	73.0-120	
1,2-Dichloropropane	5.00	4.37	87.4	77.0-125	
1,1-Dichloropropene	5.00	4.68	93.6	74.0-126	
1,3-Dichloropropane	5.00	4.77	95.4	80.0-120	
cis-1,3-Dichloropropene	5.00	4.89	97.8	80.0-123	
trans-1,3-Dichloropropene	5.00	4.95	99.0	78.0-124	
2,2-Dichloropropane	5.00	5.14	103	58.0-130	
Di-isopropyl ether	5.00	4.58	91.6	58.0-138	

Laboratory Control Sample (LCS)

(LCS) R3528736-1 05/15/20 20:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	5.00	4.52	90.4	79.0-123	
Hexachloro-1,3-butadiene	5.00	2.88	57.6	54.0-138	
2-Hexanone	25.0	27.1	108	67.0-149	
n-Hexane	5.00	4.99	99.8	57.0-133	
Iodomethane	25.0	25.9	104	33.0-147	
Isopropylbenzene	5.00	4.55	91.0	76.0-127	
p-Isopropyltoluene	5.00	4.24	84.8	76.0-125	
2-Butanone (MEK)	25.0	31.3	125	44.0-160	
Methylene Chloride	5.00	4.80	96.0	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	25.1	100	68.0-142	
Methyl tert-butyl ether	5.00	4.70	94.0	68.0-125	
Naphthalene	5.00	3.01	60.2	54.0-135	
n-Propylbenzene	5.00	3.86	77.2	77.0-124	
Styrene	5.00	4.68	93.6	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.71	94.2	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	3.79	75.8	65.0-130	
Tetrachloroethene	5.00	4.88	97.6	72.0-132	
Toluene	5.00	4.23	84.6	79.0-120	
1,1,2-Trichlorotrifluoroethane	5.00	4.96	99.2	69.0-132	
1,2,3-Trichlorobenzene	5.00	3.02	60.4	50.0-138	
1,2,4-Trichlorobenzene	5.00	3.40	68.0	57.0-137	
1,1,1-Trichloroethane	5.00	5.14	103	73.0-124	
1,1,2-Trichloroethane	5.00	4.77	95.4	80.0-120	
Trichloroethene	5.00	4.66	93.2	78.0-124	
Trichlorofluoromethane	5.00	5.12	102	59.0-147	
1,2,3-Trichloropropane	5.00	4.46	89.2	73.0-130	
1,2,3-Trimethylbenzene	5.00	4.16	83.2	77.0-120	
1,2,4-Trimethylbenzene	5.00	4.08	81.6	76.0-121	
1,3,5-Trimethylbenzene	5.00	4.03	80.6	76.0-122	
Vinyl acetate	25.0	30.1	120	11.0-160	
Vinyl chloride	5.00	5.21	104	67.0-131	
Xylenes, Total	15.0	13.2	88.0	79.0-123	
(S) Toluene-d8			*107*	*80.0-120*	
(S) 4-Bromofluorobenzene			*105*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*116*	*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
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.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

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

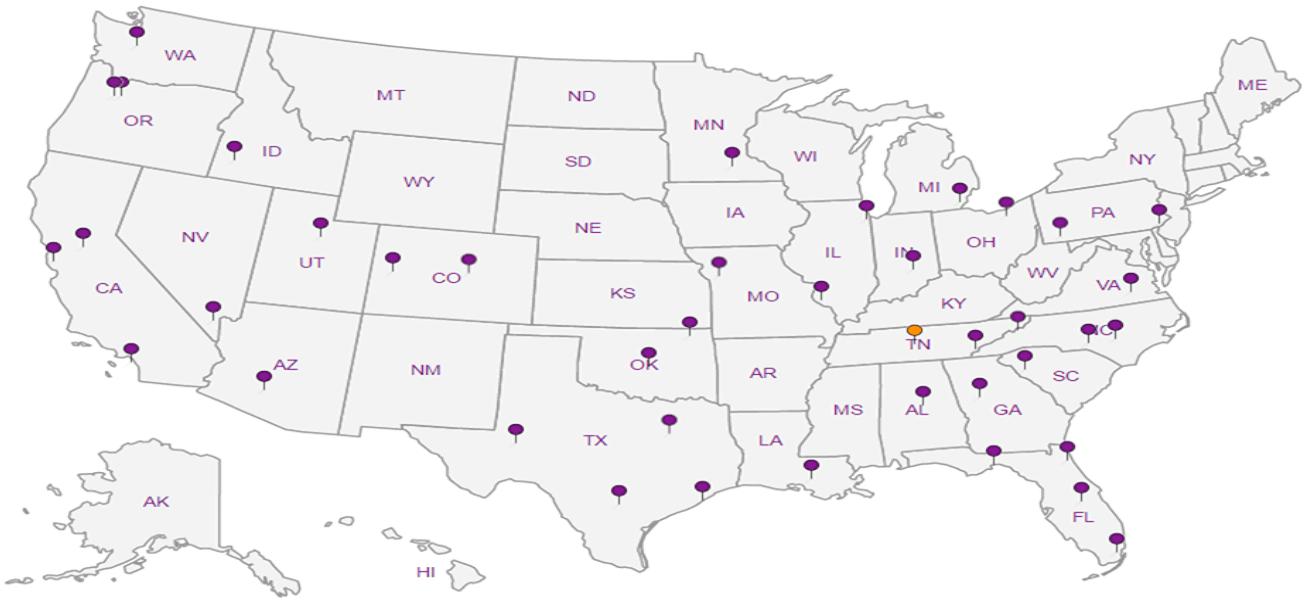
Third Party Federal Accreditations

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

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

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 #
1413.001.02.501E

Lab Project #
PESENVSWA-ALP

SDG # 1217858

Table # H237

Acctnum: PESENVSWA

Template: T166998

Prelogin: P770399

PM: 110 - Brian Ford

PB:

Shipped Via:

Collected by (print):
H. Cohen

Site/Facility ID #

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

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,Cl,SO4 125mlHDPE-NoPres	Alkalinity 125mlHDPE-NoPres	EEM RSK175LL 40mlAmb-HCl	NWTPHGX 40mlAmb HCl	TOC 250mlHDPE-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	VOCs 8260D LL 40mlAmb-HCl	Remarks	Sample # (lab only)
BB-8-051220	Grab	GW	33	5/12/20	825	12	X	X	X	X	X	X	X		-01
MW105-051220	"	GW	135	"	1020	12	X	X	X	X	X	X	X		02
MW-341-051220	"	GW	99	"	1305	9	X	X	X		X	X	X		03
MW-340-051220	"	GW	49	"	1435	9	X	X	X		X	X	X		04
		GW													
		GW													
		GW													
		GW													
		GW													
		GW													

HRC

* 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 # 774999972307

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
Hamish Cohn	5/12/20	1615		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: WPB °C 1.1-1.4=.3 Bottles Received: 42
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 05/13/20 Time: 0845
				Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 22, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1218975
Samples Received:	05/15/2020
Project Number:	1413-001-02-501E
Description:	American Linen

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

Entire Report Reviewed By:

Jared Starkey
Project Manager

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

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MW-931-051420 L1218975-01 GW

Collected by: Hannah Cohen | Collected date/time: 05/14/20 07:00 | Received date/time: 05/15/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1477103	1	05/21/20 12:46	05/21/20 12:46	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1476644	1	05/15/20 16:08	05/15/20 16:08	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1478610	1	05/20/20 05:18	05/20/20 05:18	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1476868	1	05/19/20 13:15	05/20/20 10:15	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1476868	5	05/19/20 13:15	05/20/20 20:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1479119	1	05/20/20 12:53	05/20/20 12:53	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1477940	1	05/18/20 23:15	05/18/20 23:15	ADM	Mt. Juliet, TN

FMW-143-051420 L1218975-02 GW

Collected by: Hannah Cohen | Collected date/time: 05/14/20 08:25 | Received date/time: 05/15/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1477103	1	05/21/20 12:53	05/21/20 12:53	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1476644	1	05/15/20 16:19	05/15/20 16:19	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1478998	1	05/19/20 23:08	05/19/20 23:08	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1476868	1	05/19/20 13:15	05/20/20 13:30	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1476868	5	05/19/20 13:15	05/20/20 20:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1479119	1	05/20/20 12:55	05/20/20 12:55	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1477940	1	05/18/20 23:36	05/18/20 23:36	ADM	Mt. Juliet, TN

MW-339-051420 L1218975-03 GW

Collected by: Hannah Cohen | Collected date/time: 05/14/20 10:05 | Received date/time: 05/15/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1477103	1	05/21/20 13:00	05/21/20 13:00	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1476644	1	05/15/20 16:52	05/15/20 16:52	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1478998	1	05/19/20 23:29	05/19/20 23:29	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1476868	1	05/19/20 13:15	05/20/20 13:33	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1476868	5	05/19/20 13:15	05/20/20 20:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1479119	1	05/20/20 12:58	05/20/20 12:58	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1477940	1	05/18/20 23:56	05/18/20 23:56	ADM	Mt. Juliet, TN

MW-932-051420 L1218975-04 GW

Collected by: Hannah Cohen | Collected date/time: 05/14/20 12:00 | Received date/time: 05/15/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1477103	1	05/21/20 13:07	05/21/20 13:07	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1476644	1	05/15/20 17:24	05/15/20 17:24	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1478998	1	05/19/20 23:44	05/19/20 23:44	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1476868	1	05/19/20 13:15	05/20/20 13:37	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1479186	1	05/20/20 14:23	05/20/20 14:23	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1479119	1	05/20/20 13:00	05/20/20 13:00	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1477940	1	05/19/20 00:16	05/19/20 00:16	ADM	Mt. Juliet, TN

MW-330-051420 L1218975-05 GW

Collected by: Hannah Cohen | Collected date/time: 05/14/20 14:15 | Received date/time: 05/15/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1477103	1	05/21/20 13:15	05/21/20 13:15	LEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1476644	1	05/15/20 17:35	05/15/20 17:35	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1478998	1	05/19/20 23:56	05/19/20 23:56	VRP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1476869	1	05/20/20 17:08	05/21/20 13:22	JPD	Mt. Juliet, TN

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

MW-330-051420 L1218975-05 GW

Collected by: Hannah Cohen
Collected date/time: 05/14/20 14:15
Received date/time: 05/15/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1479186	1	05/20/20 14:44	05/20/20 14:44	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1479119	1	05/20/20 13:02	05/20/20 13:02	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1477940	1	05/19/20 00:36	05/19/20 00:36	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.

Jared Starkey
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	299000		8450	20000	1	05/21/2020 12:46	WG1477103

Sample Narrative:

L1218975-01 WG1477103: 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	14800		379	1000	1	05/15/2020 16:08	WG1476644
Nitrate	U		48.0	100	1	05/15/2020 16:08	WG1476644
Sulfate	37800		594	5000	1	05/15/2020 16:08	WG1476644

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)	3700	B	102	1000	1	05/20/2020 05:18	WG1478610

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	2610		244	500	5	05/20/2020 20:43	WG1476868
Manganese	829	V	1.32	5.00	1	05/20/2020 10:15	WG1476868

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	979		0.287	0.678	1	05/20/2020 12:53	WG1479119
Ethane	U		0.296	1.29	1	05/20/2020 12:53	WG1479119
Ethene	U		0.422	1.27	1	05/20/2020 12:53	WG1479119

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	05/18/2020 23:15	WG1477940
Acrylonitrile	U		0.671	5.00	1	05/18/2020 23:15	WG1477940
Benzene	U		0.0941	0.500	1	05/18/2020 23:15	WG1477940
Bromobenzene	U		0.118	0.500	1	05/18/2020 23:15	WG1477940
Bromodichloromethane	U		0.136	0.500	1	05/18/2020 23:15	WG1477940
Bromochloromethane	U		0.128	0.500	1	05/18/2020 23:15	WG1477940
Bromoform	U	J0	0.129	0.500	1	05/18/2020 23:15	WG1477940
Bromomethane	U		0.605	2.50	1	05/18/2020 23:15	WG1477940
n-Butylbenzene	U		0.157	0.500	1	05/18/2020 23:15	WG1477940
sec-Butylbenzene	U	J4	0.125	0.500	1	05/18/2020 23:15	WG1477940
tert-Butylbenzene	U		0.127	0.500	1	05/18/2020 23:15	WG1477940
Carbon disulfide	0.0964	J	0.0962	0.500	1	05/18/2020 23:15	WG1477940
Carbon tetrachloride	U		0.128	0.500	1	05/18/2020 23:15	WG1477940
Chlorobenzene	U		0.117	0.500	1	05/18/2020 23:15	WG1477940
Chlorodibromomethane	U		0.140	0.500	1	05/18/2020 23:15	WG1477940
Chloroethane	U		0.192	2.50	1	05/18/2020 23:15	WG1477940
Chloroform	U		0.111	0.500	1	05/18/2020 23:15	WG1477940
Chloromethane	U		0.960	1.25	1	05/18/2020 23:15	WG1477940
2-Chlorotoluene	U		0.106	0.500	1	05/18/2020 23:15	WG1477940
4-Chlorotoluene	U	J4	0.114	0.500	1	05/18/2020 23:15	WG1477940

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	J0	0.276	2.50	1	05/18/2020 23:15	WG1477940
1,2-Dibromoethane	U		0.126	0.500	1	05/18/2020 23:15	WG1477940
Dibromomethane	U		0.122	0.500	1	05/18/2020 23:15	WG1477940
1,2-Dichlorobenzene	U		0.107	0.500	1	05/18/2020 23:15	WG1477940
1,3-Dichlorobenzene	U		0.299	0.500	1	05/18/2020 23:15	WG1477940
1,4-Dichlorobenzene	U		0.120	0.500	1	05/18/2020 23:15	WG1477940
Dichlorodifluoromethane	U		0.374	2.50	1	05/18/2020 23:15	WG1477940
1,1-Dichloroethane	U		0.100	0.500	1	05/18/2020 23:15	WG1477940
1,2-Dichloroethane	U		0.0819	0.500	1	05/18/2020 23:15	WG1477940
1,1-Dichloroethene	U		0.188	0.500	1	05/18/2020 23:15	WG1477940
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/18/2020 23:15	WG1477940
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/18/2020 23:15	WG1477940
1,2-Dichloropropane	U		0.149	0.500	1	05/18/2020 23:15	WG1477940
1,1-Dichloropropene	U		0.142	0.500	1	05/18/2020 23:15	WG1477940
1,3-Dichloropropane	U		0.109	1.00	1	05/18/2020 23:15	WG1477940
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/18/2020 23:15	WG1477940
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/18/2020 23:15	WG1477940
trans-1,4-Dichloro-2-butene	U	J0	0.467	5.00	1	05/18/2020 23:15	WG1477940
2,2-Dichloropropane	U		0.161	0.500	1	05/18/2020 23:15	WG1477940
Di-isopropyl ether	U		0.105	0.500	1	05/18/2020 23:15	WG1477940
Ethylbenzene	U		0.137	0.500	1	05/18/2020 23:15	WG1477940
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/18/2020 23:15	WG1477940
2-Hexanone	U		0.787	5.00	1	05/18/2020 23:15	WG1477940
n-Hexane	U		0.749	5.00	1	05/18/2020 23:15	WG1477940
Iodomethane	U		0.554	5.00	1	05/18/2020 23:15	WG1477940
Isopropylbenzene	U		0.105	0.500	1	05/18/2020 23:15	WG1477940
p-Isopropyltoluene	U		0.120	0.500	1	05/18/2020 23:15	WG1477940
2-Butanone (MEK)	U		1.19	5.00	1	05/18/2020 23:15	WG1477940
Methylene Chloride	U		0.430	2.50	1	05/18/2020 23:15	WG1477940
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/18/2020 23:15	WG1477940
Methyl tert-butyl ether	U		0.101	0.500	1	05/18/2020 23:15	WG1477940
Naphthalene	U	J0 J3	0.174	2.50	1	05/18/2020 23:15	WG1477940
n-Propylbenzene	U		0.0993	0.500	1	05/18/2020 23:15	WG1477940
Styrene	U		0.118	0.500	1	05/18/2020 23:15	WG1477940
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/18/2020 23:15	WG1477940
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/18/2020 23:15	WG1477940
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/18/2020 23:15	WG1477940
Tetrachloroethene	U		0.300	0.500	1	05/18/2020 23:15	WG1477940
Toluene	U		0.278	0.500	1	05/18/2020 23:15	WG1477940
1,2,3-Trichlorobenzene	U	J0 J3	0.164	0.500	1	05/18/2020 23:15	WG1477940
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/18/2020 23:15	WG1477940
1,1,1-Trichloroethane	U		0.149	0.500	1	05/18/2020 23:15	WG1477940
1,1,2-Trichloroethane	U		0.158	0.500	1	05/18/2020 23:15	WG1477940
Trichloroethene	U		0.190	0.500	1	05/18/2020 23:15	WG1477940
Trichlorofluoromethane	U		0.160	2.50	1	05/18/2020 23:15	WG1477940
1,2,3-Trichloropropane	U		0.237	2.50	1	05/18/2020 23:15	WG1477940
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/18/2020 23:15	WG1477940
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/18/2020 23:15	WG1477940
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/18/2020 23:15	WG1477940
Vinyl acetate	U		0.692	5.00	1	05/18/2020 23:15	WG1477940
Vinyl chloride	U		0.234	0.500	1	05/18/2020 23:15	WG1477940
Xylenes, Total	U		0.174	1.50	1	05/18/2020 23:15	WG1477940
(S) Toluene-d8	*103*			*80.0-120*		*05/18/2020 23:15*	WG1477940
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*05/18/2020 23:15*	WG1477940
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*05/18/2020 23:15*	WG1477940

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	333000		8450	20000	1	05/21/2020 12:53	WG1477103

Sample Narrative:
L1218975-02 WG1477103: 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	59400		379	1000	1	05/15/2020 16:19	WG1476644
Nitrate	U		48.0	100	1	05/15/2020 16:19	WG1476644
Sulfate	62700		594	5000	1	05/15/2020 16:19	WG1476644

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)	3990		102	1000	1	05/19/2020 23:08	WG1478998

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	6170		244	500	5	05/20/2020 20:46	WG1476868
Manganese	7510		1.32	5.00	1	05/20/2020 13:30	WG1476868

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	404		0.287	0.678	1	05/20/2020 12:55	WG1479119
Ethane	U		0.296	1.29	1	05/20/2020 12:55	WG1479119
Ethene	U		0.422	1.27	1	05/20/2020 12:55	WG1479119

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	05/18/2020 23:36	WG1477940
Acrylonitrile	U		0.671	5.00	1	05/18/2020 23:36	WG1477940
Benzene	U		0.0941	0.500	1	05/18/2020 23:36	WG1477940
Bromobenzene	U		0.118	0.500	1	05/18/2020 23:36	WG1477940
Bromodichloromethane	U		0.136	0.500	1	05/18/2020 23:36	WG1477940
Bromochloromethane	U		0.128	0.500	1	05/18/2020 23:36	WG1477940
Bromoform	U	J0	0.129	0.500	1	05/18/2020 23:36	WG1477940
Bromomethane	U		0.605	2.50	1	05/18/2020 23:36	WG1477940
n-Butylbenzene	U		0.157	0.500	1	05/18/2020 23:36	WG1477940
sec-Butylbenzene	U	J4	0.125	0.500	1	05/18/2020 23:36	WG1477940
tert-Butylbenzene	U		0.127	0.500	1	05/18/2020 23:36	WG1477940
Carbon disulfide	U		0.0962	0.500	1	05/18/2020 23:36	WG1477940
Carbon tetrachloride	U		0.128	0.500	1	05/18/2020 23:36	WG1477940
Chlorobenzene	U		0.117	0.500	1	05/18/2020 23:36	WG1477940
Chlorodibromomethane	U		0.140	0.500	1	05/18/2020 23:36	WG1477940
Chloroethane	U		0.192	2.50	1	05/18/2020 23:36	WG1477940
Chloroform	U		0.111	0.500	1	05/18/2020 23:36	WG1477940
Chloromethane	U		0.960	1.25	1	05/18/2020 23:36	WG1477940
2-Chlorotoluene	U		0.106	0.500	1	05/18/2020 23:36	WG1477940
4-Chlorotoluene	U	J4	0.114	0.500	1	05/18/2020 23:36	WG1477940

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	J0	0.276	2.50	1	05/18/2020 23:36	WG1477940
1,2-Dibromoethane	U		0.126	0.500	1	05/18/2020 23:36	WG1477940
Dibromomethane	U		0.122	0.500	1	05/18/2020 23:36	WG1477940
1,2-Dichlorobenzene	U		0.107	0.500	1	05/18/2020 23:36	WG1477940
1,3-Dichlorobenzene	U		0.299	0.500	1	05/18/2020 23:36	WG1477940
1,4-Dichlorobenzene	U		0.120	0.500	1	05/18/2020 23:36	WG1477940
Dichlorodifluoromethane	U		0.374	2.50	1	05/18/2020 23:36	WG1477940
1,1-Dichloroethane	U		0.100	0.500	1	05/18/2020 23:36	WG1477940
1,2-Dichloroethane	U		0.0819	0.500	1	05/18/2020 23:36	WG1477940
1,1-Dichloroethene	U		0.188	0.500	1	05/18/2020 23:36	WG1477940
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/18/2020 23:36	WG1477940
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/18/2020 23:36	WG1477940
1,2-Dichloropropane	U		0.149	0.500	1	05/18/2020 23:36	WG1477940
1,1-Dichloropropene	U		0.142	0.500	1	05/18/2020 23:36	WG1477940
1,3-Dichloropropane	U		0.109	1.00	1	05/18/2020 23:36	WG1477940
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/18/2020 23:36	WG1477940
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/18/2020 23:36	WG1477940
trans-1,4-Dichloro-2-butene	U	J0	0.467	5.00	1	05/18/2020 23:36	WG1477940
2,2-Dichloropropane	U		0.161	0.500	1	05/18/2020 23:36	WG1477940
Di-isopropyl ether	U		0.105	0.500	1	05/18/2020 23:36	WG1477940
Ethylbenzene	U		0.137	0.500	1	05/18/2020 23:36	WG1477940
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/18/2020 23:36	WG1477940
2-Hexanone	U		0.787	5.00	1	05/18/2020 23:36	WG1477940
n-Hexane	U		0.749	5.00	1	05/18/2020 23:36	WG1477940
Iodomethane	U		0.554	5.00	1	05/18/2020 23:36	WG1477940
Isopropylbenzene	U		0.105	0.500	1	05/18/2020 23:36	WG1477940
p-Isopropyltoluene	U		0.120	0.500	1	05/18/2020 23:36	WG1477940
2-Butanone (MEK)	U		1.19	5.00	1	05/18/2020 23:36	WG1477940
Methylene Chloride	U		0.430	2.50	1	05/18/2020 23:36	WG1477940
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/18/2020 23:36	WG1477940
Methyl tert-butyl ether	U		0.101	0.500	1	05/18/2020 23:36	WG1477940
Naphthalene	U	J0 J3	0.174	2.50	1	05/18/2020 23:36	WG1477940
n-Propylbenzene	U		0.0993	0.500	1	05/18/2020 23:36	WG1477940
Styrene	U		0.118	0.500	1	05/18/2020 23:36	WG1477940
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/18/2020 23:36	WG1477940
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/18/2020 23:36	WG1477940
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/18/2020 23:36	WG1477940
Tetrachloroethene	U		0.300	0.500	1	05/18/2020 23:36	WG1477940
Toluene	0.319	J	0.278	0.500	1	05/18/2020 23:36	WG1477940
1,2,3-Trichlorobenzene	U	J0 J3	0.164	0.500	1	05/18/2020 23:36	WG1477940
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/18/2020 23:36	WG1477940
1,1,1-Trichloroethane	U		0.149	0.500	1	05/18/2020 23:36	WG1477940
1,1,2-Trichloroethane	U		0.158	0.500	1	05/18/2020 23:36	WG1477940
Trichloroethene	U		0.190	0.500	1	05/18/2020 23:36	WG1477940
Trichlorofluoromethane	U		0.160	2.50	1	05/18/2020 23:36	WG1477940
1,2,3-Trichloropropane	U		0.237	2.50	1	05/18/2020 23:36	WG1477940
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/18/2020 23:36	WG1477940
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/18/2020 23:36	WG1477940
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/18/2020 23:36	WG1477940
Vinyl acetate	U		0.692	5.00	1	05/18/2020 23:36	WG1477940
Vinyl chloride	U		0.234	0.500	1	05/18/2020 23:36	WG1477940
Xylenes, Total	0.201	J	0.174	1.50	1	05/18/2020 23:36	WG1477940
(S) Toluene-d8	*105*			*80.0-120*		*05/18/2020 23:36*	WG1477940
(S) 4-Bromofluorobenzene	*99.8*			*77.0-126*		*05/18/2020 23:36*	WG1477940
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/18/2020 23:36*	WG1477940

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	298000		8450	20000	1	05/21/2020 13:00	WG1477103

Sample Narrative:
L1218975-03 WG1477103: 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	14800		379	1000	1	05/15/2020 16:52	WG1476644
Nitrate	U		48.0	100	1	05/15/2020 16:52	WG1476644
Sulfate	36800		594	5000	1	05/15/2020 16:52	WG1476644

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)	3010		102	1000	1	05/19/2020 23:29	WG1478998

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	2810		244	500	5	05/20/2020 20:50	WG1476868
Manganese	866		1.32	5.00	1	05/20/2020 13:33	WG1476868

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	1380		0.287	0.678	1	05/20/2020 12:58	WG1479119
Ethane	U		0.296	1.29	1	05/20/2020 12:58	WG1479119
Ethene	U		0.422	1.27	1	05/20/2020 12:58	WG1479119

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	05/18/2020 23:56	WG1477940
Acrylonitrile	U		0.671	5.00	1	05/18/2020 23:56	WG1477940
Benzene	U		0.0941	0.500	1	05/18/2020 23:56	WG1477940
Bromobenzene	U		0.118	0.500	1	05/18/2020 23:56	WG1477940
Bromodichloromethane	U		0.136	0.500	1	05/18/2020 23:56	WG1477940
Bromochloromethane	U		0.128	0.500	1	05/18/2020 23:56	WG1477940
Bromoform	U	J0	0.129	0.500	1	05/18/2020 23:56	WG1477940
Bromomethane	U		0.605	2.50	1	05/18/2020 23:56	WG1477940
n-Butylbenzene	U		0.157	0.500	1	05/18/2020 23:56	WG1477940
sec-Butylbenzene	U	J4	0.125	0.500	1	05/18/2020 23:56	WG1477940
tert-Butylbenzene	U		0.127	0.500	1	05/18/2020 23:56	WG1477940
Carbon disulfide	U		0.0962	0.500	1	05/18/2020 23:56	WG1477940
Carbon tetrachloride	U		0.128	0.500	1	05/18/2020 23:56	WG1477940
Chlorobenzene	U		0.117	0.500	1	05/18/2020 23:56	WG1477940
Chlorodibromomethane	U		0.140	0.500	1	05/18/2020 23:56	WG1477940
Chloroethane	U		0.192	2.50	1	05/18/2020 23:56	WG1477940
Chloroform	U		0.111	0.500	1	05/18/2020 23:56	WG1477940
Chloromethane	U		0.960	1.25	1	05/18/2020 23:56	WG1477940
2-Chlorotoluene	U		0.106	0.500	1	05/18/2020 23:56	WG1477940
4-Chlorotoluene	U	J4	0.114	0.500	1	05/18/2020 23:56	WG1477940

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	J0	0.276	2.50	1	05/18/2020 23:56	WG1477940
1,2-Dibromoethane	U		0.126	0.500	1	05/18/2020 23:56	WG1477940
Dibromomethane	U		0.122	0.500	1	05/18/2020 23:56	WG1477940
1,2-Dichlorobenzene	U		0.107	0.500	1	05/18/2020 23:56	WG1477940
1,3-Dichlorobenzene	U		0.299	0.500	1	05/18/2020 23:56	WG1477940
1,4-Dichlorobenzene	U		0.120	0.500	1	05/18/2020 23:56	WG1477940
Dichlorodifluoromethane	U		0.374	2.50	1	05/18/2020 23:56	WG1477940
1,1-Dichloroethane	U		0.100	0.500	1	05/18/2020 23:56	WG1477940
1,2-Dichloroethane	U		0.0819	0.500	1	05/18/2020 23:56	WG1477940
1,1-Dichloroethene	U		0.188	0.500	1	05/18/2020 23:56	WG1477940
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/18/2020 23:56	WG1477940
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/18/2020 23:56	WG1477940
1,2-Dichloropropane	U		0.149	0.500	1	05/18/2020 23:56	WG1477940
1,1-Dichloropropene	U		0.142	0.500	1	05/18/2020 23:56	WG1477940
1,3-Dichloropropane	U		0.109	1.00	1	05/18/2020 23:56	WG1477940
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/18/2020 23:56	WG1477940
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/18/2020 23:56	WG1477940
trans-1,4-Dichloro-2-butene	U	J0	0.467	5.00	1	05/18/2020 23:56	WG1477940
2,2-Dichloropropane	U		0.161	0.500	1	05/18/2020 23:56	WG1477940
Di-isopropyl ether	U		0.105	0.500	1	05/18/2020 23:56	WG1477940
Ethylbenzene	U		0.137	0.500	1	05/18/2020 23:56	WG1477940
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/18/2020 23:56	WG1477940
2-Hexanone	U		0.787	5.00	1	05/18/2020 23:56	WG1477940
n-Hexane	U		0.749	5.00	1	05/18/2020 23:56	WG1477940
Iodomethane	U		0.554	5.00	1	05/18/2020 23:56	WG1477940
Isopropylbenzene	U		0.105	0.500	1	05/18/2020 23:56	WG1477940
p-Isopropyltoluene	U		0.120	0.500	1	05/18/2020 23:56	WG1477940
2-Butanone (MEK)	U		1.19	5.00	1	05/18/2020 23:56	WG1477940
Methylene Chloride	U		0.430	2.50	1	05/18/2020 23:56	WG1477940
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/18/2020 23:56	WG1477940
Methyl tert-butyl ether	U		0.101	0.500	1	05/18/2020 23:56	WG1477940
Naphthalene	U	J0 J3	0.174	2.50	1	05/18/2020 23:56	WG1477940
n-Propylbenzene	U		0.0993	0.500	1	05/18/2020 23:56	WG1477940
Styrene	U		0.118	0.500	1	05/18/2020 23:56	WG1477940
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/18/2020 23:56	WG1477940
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/18/2020 23:56	WG1477940
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/18/2020 23:56	WG1477940
Tetrachloroethene	U		0.300	0.500	1	05/18/2020 23:56	WG1477940
Toluene	U		0.278	0.500	1	05/18/2020 23:56	WG1477940
1,2,3-Trichlorobenzene	U	J0 J3	0.164	0.500	1	05/18/2020 23:56	WG1477940
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/18/2020 23:56	WG1477940
1,1,1-Trichloroethane	U		0.149	0.500	1	05/18/2020 23:56	WG1477940
1,1,2-Trichloroethane	U		0.158	0.500	1	05/18/2020 23:56	WG1477940
Trichloroethene	U		0.190	0.500	1	05/18/2020 23:56	WG1477940
Trichlorofluoromethane	U		0.160	2.50	1	05/18/2020 23:56	WG1477940
1,2,3-Trichloropropane	U		0.237	2.50	1	05/18/2020 23:56	WG1477940
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/18/2020 23:56	WG1477940
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/18/2020 23:56	WG1477940
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/18/2020 23:56	WG1477940
Vinyl acetate	U		0.692	5.00	1	05/18/2020 23:56	WG1477940
Vinyl chloride	U		0.234	0.500	1	05/18/2020 23:56	WG1477940
Xylenes, Total	U		0.174	1.50	1	05/18/2020 23:56	WG1477940
(S) Toluene-d8	*106*			*80.0-120*		*05/18/2020 23:56*	WG1477940
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/18/2020 23:56*	WG1477940
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/18/2020 23:56*	WG1477940

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	156000		8450	20000	1	05/21/2020 13:07	WG1477103

Sample Narrative:

L1218975-04 WG1477103: 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	11100		379	1000	1	05/15/2020 17:24	WG1476644
Nitrate	U		48.0	100	1	05/15/2020 17:24	WG1476644
Sulfate	48300		594	5000	1	05/15/2020 17:24	WG1476644

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)	1460	B	102	1000	1	05/19/2020 23:44	WG1478998

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	2200		48.9	100	1	05/20/2020 13:37	WG1476868
Manganese	836		1.32	5.00	1	05/20/2020 13:37	WG1476868

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	05/20/2020 14:23	WG1479186
(S) a,a,a-Trifluorotoluene(FID)	*96.4*			*78.0-120*		*05/20/2020 14:23*	WG1479186

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	46.5		0.287	0.678	1	05/20/2020 13:00	WG1479119
Ethane	U		0.296	1.29	1	05/20/2020 13:00	WG1479119
Ethene	U		0.422	1.27	1	05/20/2020 13:00	WG1479119

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	05/19/2020 00:16	WG1477940
Acrylonitrile	U		0.671	5.00	1	05/19/2020 00:16	WG1477940
Benzene	U		0.0941	0.500	1	05/19/2020 00:16	WG1477940
Bromobenzene	U		0.118	0.500	1	05/19/2020 00:16	WG1477940
Bromodichloromethane	U		0.136	0.500	1	05/19/2020 00:16	WG1477940
Bromochloromethane	U		0.128	0.500	1	05/19/2020 00:16	WG1477940
Bromoform	U	J0	0.129	0.500	1	05/19/2020 00:16	WG1477940
Bromomethane	U		0.605	2.50	1	05/19/2020 00:16	WG1477940
n-Butylbenzene	U		0.157	0.500	1	05/19/2020 00:16	WG1477940
sec-Butylbenzene	U	J4	0.125	0.500	1	05/19/2020 00:16	WG1477940
tert-Butylbenzene	U		0.127	0.500	1	05/19/2020 00:16	WG1477940
Carbon disulfide	0.142	J	0.0962	0.500	1	05/19/2020 00:16	WG1477940
Carbon tetrachloride	U		0.128	0.500	1	05/19/2020 00:16	WG1477940

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	05/19/2020 00:16	WG1477940
Chlorodibromomethane	U		0.140	0.500	1	05/19/2020 00:16	WG1477940
Chloroethane	U		0.192	2.50	1	05/19/2020 00:16	WG1477940
Chloroform	U		0.111	0.500	1	05/19/2020 00:16	WG1477940
Chloromethane	U		0.960	1.25	1	05/19/2020 00:16	WG1477940
2-Chlorotoluene	U		0.106	0.500	1	05/19/2020 00:16	WG1477940
4-Chlorotoluene	U	J4	0.114	0.500	1	05/19/2020 00:16	WG1477940
1,2-Dibromo-3-Chloropropane	U	J0	0.276	2.50	1	05/19/2020 00:16	WG1477940
1,2-Dibromoethane	U		0.126	0.500	1	05/19/2020 00:16	WG1477940
Dibromomethane	U		0.122	0.500	1	05/19/2020 00:16	WG1477940
1,2-Dichlorobenzene	U		0.107	0.500	1	05/19/2020 00:16	WG1477940
1,3-Dichlorobenzene	U		0.299	0.500	1	05/19/2020 00:16	WG1477940
1,4-Dichlorobenzene	U		0.120	0.500	1	05/19/2020 00:16	WG1477940
Dichlorodifluoromethane	U		0.374	2.50	1	05/19/2020 00:16	WG1477940
1,1-Dichloroethane	U		0.100	0.500	1	05/19/2020 00:16	WG1477940
1,2-Dichloroethane	U		0.0819	0.500	1	05/19/2020 00:16	WG1477940
1,1-Dichloroethene	U		0.188	0.500	1	05/19/2020 00:16	WG1477940
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/19/2020 00:16	WG1477940
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/19/2020 00:16	WG1477940
1,2-Dichloropropane	U		0.149	0.500	1	05/19/2020 00:16	WG1477940
1,1-Dichloropropene	U		0.142	0.500	1	05/19/2020 00:16	WG1477940
1,3-Dichloropropane	U		0.109	1.00	1	05/19/2020 00:16	WG1477940
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/19/2020 00:16	WG1477940
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/19/2020 00:16	WG1477940
trans-1,4-Dichloro-2-butene	U	J0	0.467	5.00	1	05/19/2020 00:16	WG1477940
2,2-Dichloropropane	U		0.161	0.500	1	05/19/2020 00:16	WG1477940
Di-isopropyl ether	U		0.105	0.500	1	05/19/2020 00:16	WG1477940
Ethylbenzene	U		0.137	0.500	1	05/19/2020 00:16	WG1477940
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/19/2020 00:16	WG1477940
2-Hexanone	U		0.787	5.00	1	05/19/2020 00:16	WG1477940
n-Hexane	U		0.749	5.00	1	05/19/2020 00:16	WG1477940
Iodomethane	U		0.554	5.00	1	05/19/2020 00:16	WG1477940
Isopropylbenzene	U		0.105	0.500	1	05/19/2020 00:16	WG1477940
p-Isopropyltoluene	U		0.120	0.500	1	05/19/2020 00:16	WG1477940
2-Butanone (MEK)	U		1.19	5.00	1	05/19/2020 00:16	WG1477940
Methylene Chloride	U		0.430	2.50	1	05/19/2020 00:16	WG1477940
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/19/2020 00:16	WG1477940
Methyl tert-butyl ether	U		0.101	0.500	1	05/19/2020 00:16	WG1477940
Naphthalene	U	J0 J3	0.174	2.50	1	05/19/2020 00:16	WG1477940
n-Propylbenzene	U		0.0993	0.500	1	05/19/2020 00:16	WG1477940
Styrene	U		0.118	0.500	1	05/19/2020 00:16	WG1477940
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/19/2020 00:16	WG1477940
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/19/2020 00:16	WG1477940
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/19/2020 00:16	WG1477940
Tetrachloroethene	U		0.300	0.500	1	05/19/2020 00:16	WG1477940
Toluene	0.547		0.278	0.500	1	05/19/2020 00:16	WG1477940
1,2,3-Trichlorobenzene	U	J0 J3	0.164	0.500	1	05/19/2020 00:16	WG1477940
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/19/2020 00:16	WG1477940
1,1,1-Trichloroethane	U		0.149	0.500	1	05/19/2020 00:16	WG1477940
1,1,2-Trichloroethane	U		0.158	0.500	1	05/19/2020 00:16	WG1477940
Trichloroethene	U		0.190	0.500	1	05/19/2020 00:16	WG1477940
Trichlorofluoromethane	U		0.160	2.50	1	05/19/2020 00:16	WG1477940
1,2,3-Trichloropropane	U		0.237	2.50	1	05/19/2020 00:16	WG1477940
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/19/2020 00:16	WG1477940
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/19/2020 00:16	WG1477940
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/19/2020 00:16	WG1477940

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	05/19/2020 00:16	WG1477940
Vinyl chloride	U		0.234	0.500	1	05/19/2020 00:16	WG1477940
Xylenes, Total	0.278	J	0.174	1.50	1	05/19/2020 00:16	WG1477940
(S) Toluene-d8	*105*			*80.0-120*		*05/19/2020 00:16*	WG1477940
(S) 4-Bromofluorobenzene	*98.2*			*77.0-126*		*05/19/2020 00:16*	WG1477940
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/19/2020 00:16*	WG1477940

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	156000		8450	20000	1	05/21/2020 13:15	WG1477103

Sample Narrative:
L1218975-05 WG1477103: 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		379	1000	1	05/15/2020 17:35	WG1476644
Nitrate	U		48.0	100	1	05/15/2020 17:35	WG1476644
Sulfate	48000		594	5000	1	05/15/2020 17:35	WG1476644

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)	1420	B	102	1000	1	05/19/2020 23:56	WG1478998

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2900		48.9	100	1	05/21/2020 13:22	WG1476869
Manganese	841		1.32	5.00	1	05/21/2020 13:22	WG1476869

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	05/20/2020 14:44	WG1479186
(S) a,a,a-Trifluorotoluene(FID)	*96.2*			*78.0-120*		*05/20/2020 14:44*	WG1479186

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	31.7		0.287	0.678	1	05/20/2020 13:02	WG1479119
Ethane	U		0.296	1.29	1	05/20/2020 13:02	WG1479119
Ethene	U		0.422	1.27	1	05/20/2020 13:02	WG1479119

Volatile 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	05/19/2020 00:36	WG1477940
Acrylonitrile	U		0.671	5.00	1	05/19/2020 00:36	WG1477940
Benzene	U		0.0941	0.500	1	05/19/2020 00:36	WG1477940
Bromobenzene	U		0.118	0.500	1	05/19/2020 00:36	WG1477940
Bromodichloromethane	U		0.136	0.500	1	05/19/2020 00:36	WG1477940
Bromochloromethane	U		0.128	0.500	1	05/19/2020 00:36	WG1477940
Bromoform	U	J0	0.129	0.500	1	05/19/2020 00:36	WG1477940
Bromomethane	U		0.605	2.50	1	05/19/2020 00:36	WG1477940
n-Butylbenzene	U		0.157	0.500	1	05/19/2020 00:36	WG1477940
sec-Butylbenzene	U	J4	0.125	0.500	1	05/19/2020 00:36	WG1477940
tert-Butylbenzene	U		0.127	0.500	1	05/19/2020 00:36	WG1477940
Carbon disulfide	0.125	J	0.0962	0.500	1	05/19/2020 00:36	WG1477940
Carbon tetrachloride	U		0.128	0.500	1	05/19/2020 00:36	WG1477940

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	05/19/2020 00:36	WG1477940
Chlorodibromomethane	U		0.140	0.500	1	05/19/2020 00:36	WG1477940
Chloroethane	U		0.192	2.50	1	05/19/2020 00:36	WG1477940
Chloroform	U		0.111	0.500	1	05/19/2020 00:36	WG1477940
Chloromethane	U		0.960	1.25	1	05/19/2020 00:36	WG1477940
2-Chlorotoluene	U		0.106	0.500	1	05/19/2020 00:36	WG1477940
4-Chlorotoluene	U	J4	0.114	0.500	1	05/19/2020 00:36	WG1477940
1,2-Dibromo-3-Chloropropane	U	J0	0.276	2.50	1	05/19/2020 00:36	WG1477940
1,2-Dibromoethane	U		0.126	0.500	1	05/19/2020 00:36	WG1477940
Dibromomethane	U		0.122	0.500	1	05/19/2020 00:36	WG1477940
1,2-Dichlorobenzene	U		0.107	0.500	1	05/19/2020 00:36	WG1477940
1,3-Dichlorobenzene	U		0.299	0.500	1	05/19/2020 00:36	WG1477940
1,4-Dichlorobenzene	U		0.120	0.500	1	05/19/2020 00:36	WG1477940
Dichlorodifluoromethane	U		0.374	2.50	1	05/19/2020 00:36	WG1477940
1,1-Dichloroethane	U		0.100	0.500	1	05/19/2020 00:36	WG1477940
1,2-Dichloroethane	U		0.0819	0.500	1	05/19/2020 00:36	WG1477940
1,1-Dichloroethene	U		0.188	0.500	1	05/19/2020 00:36	WG1477940
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/19/2020 00:36	WG1477940
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/19/2020 00:36	WG1477940
1,2-Dichloropropane	U		0.149	0.500	1	05/19/2020 00:36	WG1477940
1,1-Dichloropropene	U		0.142	0.500	1	05/19/2020 00:36	WG1477940
1,3-Dichloropropane	U		0.109	1.00	1	05/19/2020 00:36	WG1477940
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/19/2020 00:36	WG1477940
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/19/2020 00:36	WG1477940
trans-1,4-Dichloro-2-butene	U	J0	0.467	5.00	1	05/19/2020 00:36	WG1477940
2,2-Dichloropropane	U		0.161	0.500	1	05/19/2020 00:36	WG1477940
Di-isopropyl ether	U		0.105	0.500	1	05/19/2020 00:36	WG1477940
Ethylbenzene	U		0.137	0.500	1	05/19/2020 00:36	WG1477940
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/19/2020 00:36	WG1477940
2-Hexanone	U		0.787	5.00	1	05/19/2020 00:36	WG1477940
n-Hexane	U		0.749	5.00	1	05/19/2020 00:36	WG1477940
Iodomethane	U		0.554	5.00	1	05/19/2020 00:36	WG1477940
Isopropylbenzene	U		0.105	0.500	1	05/19/2020 00:36	WG1477940
p-Isopropyltoluene	U		0.120	0.500	1	05/19/2020 00:36	WG1477940
2-Butanone (MEK)	U		1.19	5.00	1	05/19/2020 00:36	WG1477940
Methylene Chloride	U		0.430	2.50	1	05/19/2020 00:36	WG1477940
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/19/2020 00:36	WG1477940
Methyl tert-butyl ether	U		0.101	0.500	1	05/19/2020 00:36	WG1477940
Naphthalene	U	J0 J3	0.174	2.50	1	05/19/2020 00:36	WG1477940
n-Propylbenzene	U		0.0993	0.500	1	05/19/2020 00:36	WG1477940
Styrene	U		0.118	0.500	1	05/19/2020 00:36	WG1477940
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/19/2020 00:36	WG1477940
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/19/2020 00:36	WG1477940
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/19/2020 00:36	WG1477940
Tetrachloroethene	U		0.300	0.500	1	05/19/2020 00:36	WG1477940
Toluene	0.580		0.278	0.500	1	05/19/2020 00:36	WG1477940
1,2,3-Trichlorobenzene	U	J0 J3	0.164	0.500	1	05/19/2020 00:36	WG1477940
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/19/2020 00:36	WG1477940
1,1,1-Trichloroethane	U		0.149	0.500	1	05/19/2020 00:36	WG1477940
1,1,2-Trichloroethane	U		0.158	0.500	1	05/19/2020 00:36	WG1477940
Trichloroethene	U		0.190	0.500	1	05/19/2020 00:36	WG1477940
Trichlorofluoromethane	U		0.160	2.50	1	05/19/2020 00:36	WG1477940
1,2,3-Trichloropropane	U		0.237	2.50	1	05/19/2020 00:36	WG1477940
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/19/2020 00:36	WG1477940
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/19/2020 00:36	WG1477940
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/19/2020 00:36	WG1477940

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	05/19/2020 00:36	WG1477940
Vinyl chloride	U		0.234	0.500	1	05/19/2020 00:36	WG1477940
Xylenes, Total	0.278	J	0.174	1.50	1	05/19/2020 00:36	WG1477940
(S) Toluene-d8	*108*			*80.0-120*		*05/19/2020 00:36*	WG1477940
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/19/2020 00:36*	WG1477940
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/19/2020 00:36*	WG1477940

Method Blank (MB)

(MB) R3530568-1 05/21/20 10:36

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

Laboratory Control Sample (LCS)

(LCS) R3530568-5 05/21/20 12:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	98200	98.2	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3528465-1 05/15/20 13:22

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

L1218924-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1218924-01 05/15/20 15:36 • (DUP) R3528465-3 05/15/20 15:47

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	344000	335000	1	2.84	E	15
Nitrate	5090	4990	1	2.12		15
Sulfate	31800	32400	1	1.85		15

Laboratory Control Sample (LCS)

(LCS) R3528465-2 05/15/20 13:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	40000	100	80.0-120	
Nitrate	8000	7910	98.9	80.0-120	
Sulfate	40000	39100	97.9	80.0-120	

L1218975-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1218975-02 05/15/20 16:19 • (MS) R3528465-4 05/15/20 16:30 • (MSD) R3528465-5 05/15/20 16:41

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	59400	108000	108000	96.7	96.7	1	80.0-120	E	E	0.0129	15
Nitrate	5000	U	4880	4970	97.5	99.3	1	80.0-120			1.85	15
Sulfate	50000	62700	111000	110000	95.7	95.5	1	80.0-120	E	E	0.0800	15

Method Blank (MB)

(MB) R3529845-1 05/19/20 16:59

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	469	J	102	1000

Laboratory Control Sample (LCS)

(LCS) R3529845-2 05/19/20 17:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	77400	103	85.0-115	

Method Blank (MB)

(MB) R3529839-1 05/19/20 22:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	184	J	102	1000

L1219062-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1219062-02 05/20/20 00:26 • (DUP) R3529839-3 05/20/20 00:39

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	223	271	1	19.5	J	20

L1219062-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1219062-08 05/20/20 03:41 • (DUP) R3529839-6 05/20/20 03:56

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	821	851	1	3.61	J	20

Laboratory Control Sample (LCS)

(LCS) R3529839-2 05/19/20 22:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	72000	95.9	85.0-115	

L1219062-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1219062-04 05/20/20 02:10 • (MS) R3529839-4 05/20/20 02:28 • (MSD) R3529839-5 05/20/20 02:45

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 %
TOC (Total Organic Carbon)	50000	409	47100	46300	93.4	91.7	1	80.0-120			1.80	20

L1219249-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1219249-03 05/20/20 06:09 • (MS) R3529839-7 05/20/20 06:26 • (MSD) R3529839-8 05/20/20 06:43

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 %
TOC (Total Organic Carbon)	50000	3010	50900	50600	95.7	95.3	1	80.0-120			0.473	20

Method Blank (MB)

(MB) R3529941-1 05/20/20 10:08

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) R3529941-2 05/20/20 10:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	5000	4920	98.3	80.0-120	
Manganese	50.0	50.1	100	80.0-120	

L1218975-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1218975-01 05/20/20 10:15 • (MS) R3529941-4 05/20/20 10:22 • (MSD) R3529941-5 05/20/20 10:25

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	2480	7780	8110	106	112	1	75.0-125			4.16	20
Manganese	50.0	829	893	844	127	29.6	1	75.0-125	V	V	5.63	20

Method Blank (MB)

(MB) R3530466-1 05/21/20 13:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	U		48.9	100
Manganese	U		1.32	5.00

Laboratory Control Sample (LCS)

(LCS) R3530466-2 05/21/20 13:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	5000	5200	104	80.0-120	
Manganese	50.0	50.2	100	80.0-120	

Method Blank (MB)

(MB) R3529861-2 05/20/20 10:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	36.2	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*96.2*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3529861-1 05/20/20 09:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	4840	88.0	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*78.0-120*	

Method Blank (MB)

(MB) R3529957-2 05/20/20 12:03

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

L1218975-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1218975-01 05/20/20 12:53 • (DUP) R3529957-3 05/20/20 13:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	979	958	1	2.17		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1219398-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1219398-12 05/20/20 13:51 • (DUP) R3529957-4 05/20/20 14:03

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	1900	1930	1	1.57		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

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

(LCS) R3529957-1 05/20/20 11:56 • (LCSD) R3529957-5 05/20/20 14:06

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	64.0	63.1	94.4	93.1	85.0-115			1.42	20
Ethane	129	124	122	96.1	94.6	85.0-115			1.63	20
Ethene	127	119	115	93.7	90.6	85.0-115			3.42	20

Method Blank (MB)

(MB) R3530090-3 05/18/20 20:02

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) R3530090-3 05/18/20 20:02

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		0.554	5.00
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	0.227	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	0.283	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
1,2,3-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	*110*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*

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

(LCS) R3530090-1 05/18/20 19:01 • (LCSD) R3530090-2 05/18/20 19:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	27.3	31.8	109	127	19.0-160			15.2	27
Acrylonitrile	25.0	26.5	29.3	106	117	55.0-149			10.0	20
Benzene	5.00	4.88	5.09	97.6	102	70.0-123			4.21	20
Bromobenzene	5.00	5.29	5.94	106	119	73.0-121			11.6	20
Bromodichloromethane	5.00	4.81	5.11	96.2	102	75.0-120			6.05	20
Bromochloromethane	5.00	4.46	4.61	89.2	92.2	76.0-122			3.31	20
Bromoform	5.00	3.69	3.88	73.8	77.6	68.0-132			5.02	20
Bromomethane	5.00	4.31	4.41	86.2	88.2	10.0-160			2.29	25
n-Butylbenzene	5.00	5.18	5.80	104	116	73.0-125			11.3	20
sec-Butylbenzene	5.00	5.90	6.45	118	129	75.0-125		J4	8.91	20
tert-Butylbenzene	5.00	5.27	5.87	105	117	76.0-124			10.8	20
Carbon disulfide	5.00	5.64	5.68	113	114	61.0-128			0.707	20
Carbon tetrachloride	5.00	4.64	4.89	92.8	97.8	68.0-126			5.25	20
Chlorobenzene	5.00	4.19	4.57	83.8	91.4	80.0-121			8.68	20
Chlorodibromomethane	5.00	4.03	4.39	80.6	87.8	77.0-125			8.55	20
Chloroethane	5.00	5.20	5.24	104	105	47.0-150			0.766	20
Chloroform	5.00	4.56	4.67	91.2	93.4	73.0-120			2.38	20
Chloromethane	5.00	4.98	5.17	99.6	103	41.0-142			3.74	20
2-Chlorotoluene	5.00	5.44	6.05	109	121	76.0-123			10.6	20
4-Chlorotoluene	5.00	5.58	6.15	112	123	75.0-122		J4	9.72	20
1,2-Dibromo-3-Chloropropane	5.00	3.88	4.33	77.6	86.6	58.0-134			11.0	20
1,2-Dibromoethane	5.00	4.54	5.04	90.8	101	80.0-122			10.4	20
Dibromomethane	5.00	4.90	5.13	98.0	103	80.0-120			4.59	20
1,2-Dichlorobenzene	5.00	4.39	4.92	87.8	98.4	79.0-121			11.4	20
1,3-Dichlorobenzene	5.00	4.70	5.10	94.0	102	79.0-120			8.16	20
1,4-Dichlorobenzene	5.00	4.27	4.80	85.4	96.0	79.0-120			11.7	20
trans-1,4-Dichloro-2-butene	5.00	2.21	2.40	44.2	48.0	33.0-144			8.24	20
Dichlorodifluoromethane	5.00	5.68	5.86	114	117	51.0-149			3.12	20
1,1-Dichloroethane	5.00	5.42	5.52	108	110	70.0-126			1.83	20
1,2-Dichloroethane	5.00	4.73	5.01	94.6	100	70.0-128			5.75	20
1,1-Dichloroethene	5.00	5.37	5.32	107	106	71.0-124			0.935	20
cis-1,2-Dichloroethene	5.00	4.96	5.08	99.2	102	73.0-120			2.39	20
trans-1,2-Dichloroethene	5.00	5.14	5.29	103	106	73.0-120			2.88	20
1,2-Dichloropropane	5.00	5.11	5.22	102	104	77.0-125			2.13	20
1,1-Dichloropropene	5.00	5.35	5.37	107	107	74.0-126			0.373	20
1,3-Dichloropropane	5.00	4.74	5.22	94.8	104	80.0-120			9.64	20
cis-1,3-Dichloropropene	5.00	4.66	4.82	93.2	96.4	80.0-123			3.38	20
trans-1,3-Dichloropropene	5.00	4.46	4.93	89.2	98.6	78.0-124			10.0	20
2,2-Dichloropropane	5.00	5.15	5.32	103	106	58.0-130			3.25	20
Di-isopropyl ether	5.00	5.37	5.70	107	114	58.0-138			5.96	20

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

(LCS) R3530090-1 05/18/20 19:01 • (LCSD) R3530090-2 05/18/20 19:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	4.21	4.65	84.2	93.0	79.0-123			9.93	20
Hexachloro-1,3-butadiene	5.00	5.21	5.66	104	113	54.0-138			8.28	20
2-Hexanone	25.0	23.3	26.2	93.2	105	67.0-149			11.7	20
n-Hexane	5.00	5.69	5.83	114	117	57.0-133			2.43	20
Iodomethane	25.0	21.7	22.4	86.8	89.6	33.0-147			3.17	26
Isopropylbenzene	5.00	4.49	4.85	89.8	97.0	76.0-127			7.71	20
p-Isopropyltoluene	5.00	5.50	6.03	110	121	76.0-125			9.19	20
2-Butanone (MEK)	25.0	25.4	27.3	102	109	44.0-160			7.21	20
Methylene Chloride	5.00	4.82	4.96	96.4	99.2	67.0-120			2.86	20
4-Methyl-2-pentanone (MIBK)	25.0	24.7	27.5	98.8	110	68.0-142			10.7	20
Methyl tert-butyl ether	5.00	5.23	5.49	105	110	68.0-125			4.85	20
Naphthalene	5.00	3.42	4.31	68.4	86.2	54.0-135		J3	23.0	20
n-Propylbenzene	5.00	5.40	6.00	108	120	77.0-124			10.5	20
Styrene	5.00	4.53	4.86	90.6	97.2	73.0-130			7.03	20
1,1,1,2-Tetrachloroethane	5.00	4.14	4.52	82.8	90.4	75.0-125			8.78	20
1,1,2,2-Tetrachloroethane	5.00	5.46	5.94	109	119	65.0-130			8.42	20
Tetrachloroethene	5.00	4.15	4.09	83.0	81.8	72.0-132			1.46	20
Toluene	5.00	4.60	4.96	92.0	99.2	79.0-120			7.53	20
1,1,2-Trichlorotrifluoroethane	5.00	5.34	5.43	107	109	69.0-132			1.67	20
1,2,3-Trichlorobenzene	5.00	3.98	5.07	79.6	101	50.0-138		J3	24.1	20
1,2,4-Trichlorobenzene	5.00	4.04	4.89	80.8	97.8	57.0-137			19.0	20
1,1,1-Trichloroethane	5.00	4.83	4.97	96.6	99.4	73.0-124			2.86	20
1,1,2-Trichloroethane	5.00	4.53	4.89	90.6	97.8	80.0-120			7.64	20
Trichloroethene	5.00	4.24	4.48	84.8	89.6	78.0-124			5.50	20
Trichlorofluoromethane	5.00	4.82	5.03	96.4	101	59.0-147			4.26	20
1,2,3-Trichloropropane	5.00	5.34	5.92	107	118	73.0-130			10.3	20
1,2,3-Trimethylbenzene	5.00	5.08	5.69	102	114	77.0-120			11.3	20
1,2,4-Trimethylbenzene	5.00	5.41	5.97	108	119	76.0-121			9.84	20
1,3,5-Trimethylbenzene	5.00	5.41	5.82	108	116	76.0-122			7.30	20
Vinyl acetate	25.0	25.4	25.2	102	101	11.0-160			0.791	20
Vinyl chloride	5.00	5.26	5.39	105	108	67.0-131			2.44	20
Xylenes, Total	15.0	13.3	14.5	88.7	96.7	79.0-123			8.63	20
(S) Toluene-d8				*104*	*109*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.4*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*114*	*114*	*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
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.
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

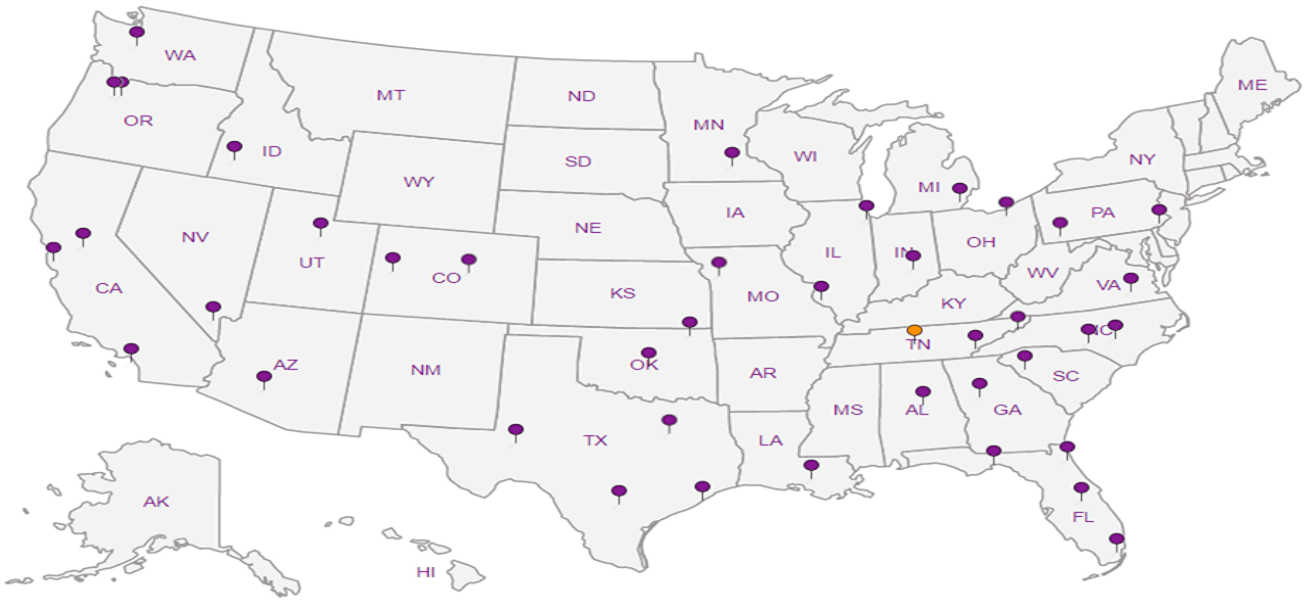
Third Party Federal Accreditations

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

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**
Collected By (print): H. Cohen	Purchase Order # : **1413.001.02.501E** Quote #: **PESENVSWA-ALP**
Collected By (signature): Hannah Cohen	Turnaround Date Required:
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [x] Yes [ ] No

DW PWS ID #:

DW Location Code:

Immediately Packed on Ice: [x] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: _____

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 _____

* 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)

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:
																			1218975
MW-931-051420	GW	Grab	5/14/20	700				9	X	X	X	X	X	X					-01
FMW-143-051420	GW	Grab	"	825				9	X	X	X	X	X	X					02
MW-339-051420	GW	Grab	"	1005				9	X	X	X	X	X	X					03
MW-932-051420	GW	Grab	"	1200				12	X	X	X	X	X	X	X				04
MW-330-051420	GW	Grab	"	1415				12	X	X	X	X	X	X	X				05
	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~~
Sample pH Acceptable	Y	N	~~NA~~
Sulfide Present	Y	N	~~NA~~

Cl Strips: _____

pH Strips: _____

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 #: Pace 9972270

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: MP A3

Cooler 1 Temp Upon Receipt: 3.1 oC

Cooler 1 Therm Corr. Factor: .3 oC

Cooler 1 Corrected Temp: 3.4 oC

Comments: RAD SCREEN: <0.5 mR/hr

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Hannah Cohen	5/14/20 1615		
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 05/15/20 0845

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: 1 of: 1

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

July 14, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1237982
Samples Received:	07/08/2020
Project Number:	1413.001.02
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:

Jared Starkey
Project Manager

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

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SV-04-6 L1237982-01 Solid

Collected by: R McLaughlin | Collected date/time: 06/29/20 11:00 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507276	1	07/11/20 22:10	07/11/20 22:19	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507499	1	06/29/20 11:00	07/12/20 00:10	BMB	Mt. Juliet, TN

SV-05-10 L1237982-02 Solid

Collected by: R McLaughlin | Collected date/time: 06/29/20 11:35 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507276	1	07/11/20 22:10	07/11/20 22:19	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507172	1	06/29/20 11:35	07/11/20 17:34	DWR	Mt. Juliet, TN

SV-06-6 L1237982-03 Solid

Collected by: R McLaughlin | Collected date/time: 06/29/20 14:07 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507277	1	07/11/20 22:33	07/11/20 22:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507172	1	06/29/20 14:07	07/11/20 17:53	DWR	Mt. Juliet, TN

SV-07-15 L1237982-04 Solid

Collected by: R McLaughlin | Collected date/time: 06/29/20 14:45 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507277	1	07/11/20 22:33	07/11/20 22:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507172	1	06/29/20 14:45	07/11/20 18:12	DWR	Mt. Juliet, TN

SV-08-6 L1237982-05 Solid

Collected by: R McLaughlin | Collected date/time: 06/30/20 09:40 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507277	1	07/11/20 22:33	07/11/20 22:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507172	1	06/30/20 09:40	07/11/20 18:31	DWR	Mt. Juliet, TN

SV-08-7.5 L1237982-06 Solid

Collected by: R McLaughlin | Collected date/time: 06/30/20 09:45 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507277	1	07/11/20 22:33	07/11/20 22:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507499	1	06/30/20 09:45	07/12/20 00:29	BMB	Mt. Juliet, TN

SV-10-5.5 L1237982-07 Solid

Collected by: R McLaughlin | Collected date/time: 06/30/20 14:20 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507277	1	07/11/20 22:33	07/11/20 22:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507499	1	06/30/20 14:20	07/12/20 00:48	BMB	Mt. Juliet, TN

SV-11-10 L1237982-08 Solid

Collected by: R McLaughlin | Collected date/time: 06/30/20 14:55 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507277	1	07/11/20 22:33	07/11/20 22:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507499	1	06/30/20 14:55	07/12/20 01:07	BMB	Mt. Juliet, TN

SV-09-5.5 L1237982-09 Solid

Collected by: R McLaughlin | Collected date/time: 07/01/20 10:20 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507277	1	07/11/20 22:33	07/11/20 22:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507499	1	07/01/20 10:20	07/12/20 01:26	BMB	Mt. Juliet, TN

SV-12-5.5 L1237982-10 Solid

Collected by: R McLaughlin | Collected date/time: 07/01/20 12:00 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507277	1	07/11/20 22:33	07/11/20 22:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507499	1	07/01/20 12:00	07/12/20 01:45	BMB	Mt. Juliet, TN

SV-13-10.5 L1237982-11 Solid

Collected by: R McLaughlin | Collected date/time: 07/01/20 12:30 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507277	1	07/11/20 22:33	07/11/20 22:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507499	1	07/01/20 12:30	07/12/20 02:04	BMB	Mt. Juliet, TN

SV-14-5.5 L1237982-12 Solid

Collected by: R McLaughlin | Collected date/time: 07/01/20 15:05 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507277	1	07/11/20 22:33	07/11/20 22:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507499	1	07/01/20 15:05	07/12/20 02:23	BMB	Mt. Juliet, TN

SV-15-13 L1237982-13 Solid

Collected by: R McLaughlin | Collected date/time: 07/01/20 15:30 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507398	1	07/11/20 22:21	07/11/20 22:30	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507499	1	07/01/20 15:30	07/12/20 02:42	BMB	Mt. Juliet, TN

SV-100-5 L1237982-14 Solid

Collected by: R McLaughlin | Collected date/time: 07/02/20 09:00 | Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507398	1	07/11/20 22:21	07/11/20 22:30	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507499	1.06	07/02/20 09:00	07/12/20 03:01	BMB	Mt. Juliet, TN

SV-16-5 L1237982-15 Solid

Collected by: R McLaughlin
Collected date/time: 07/02/20 10:05
Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507398	1	07/11/20 22:21	07/11/20 22:30	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507499	1.14	07/02/20 10:05	07/12/20 03:19	BMB	Mt. Juliet, TN

SV-17-4.5 L1237982-16 Solid

Collected by: R McLaughlin
Collected date/time: 07/02/20 11:47
Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507398	1	07/11/20 22:21	07/11/20 22:30	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507499	1.01	07/02/20 11:47	07/12/20 03:38	BMB	Mt. Juliet, TN

SV-18-5.5 L1237982-17 Solid

Collected by: R McLaughlin
Collected date/time: 07/02/20 13:25
Received date/time: 07/08/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1507399	1	07/11/20 20:21	07/11/20 20:35	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1507499	1	07/02/20 13:25	07/12/20 03:57	BMB	Mt. Juliet, TN

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

Jared Starkey
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	07/11/2020 22:19	WG1507276

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		0.0473	0.0648	1	07/12/2020 00:10	WG1507499
Acrylonitrile	U		0.00468	0.0162	1	07/12/2020 00:10	WG1507499
Benzene	U		0.000605	0.00130	1	07/12/2020 00:10	WG1507499
Bromobenzene	U		0.00117	0.0162	1	07/12/2020 00:10	WG1507499
Bromodichloromethane	U		0.000940	0.00324	1	07/12/2020 00:10	WG1507499
Bromochloromethane	U		0.000731	0.00648	1	07/12/2020 00:10	WG1507499
Bromoform	U		0.00152	0.0324	1	07/12/2020 00:10	WG1507499
Bromomethane	U		0.00255	0.0162	1	07/12/2020 00:10	WG1507499
n-Butylbenzene	U		0.00680	0.0162	1	07/12/2020 00:10	WG1507499
sec-Butylbenzene	U		0.00373	0.0162	1	07/12/2020 00:10	WG1507499
tert-Butylbenzene	U		0.00253	0.00648	1	07/12/2020 00:10	WG1507499
Carbon disulfide	U		0.000907	0.0162	1	07/12/2020 00:10	WG1507499
Carbon tetrachloride	U		0.00116	0.00648	1	07/12/2020 00:10	WG1507499
Chlorobenzene	U		0.000272	0.00324	1	07/12/2020 00:10	WG1507499
Chlorodibromomethane	U		0.000793	0.00324	1	07/12/2020 00:10	WG1507499
Chloroethane	U		0.00220	0.00648	1	07/12/2020 00:10	WG1507499
Chloroform	U		0.00133	0.00324	1	07/12/2020 00:10	WG1507499
Chloromethane	U		0.00564	0.0162	1	07/12/2020 00:10	WG1507499
2-Chlorotoluene	U		0.00112	0.00324	1	07/12/2020 00:10	WG1507499
4-Chlorotoluene	U		0.000583	0.00648	1	07/12/2020 00:10	WG1507499
1,2-Dibromo-3-Chloropropane	U	J0	0.00505	0.0324	1	07/12/2020 00:10	WG1507499
1,2-Dibromoethane	U		0.000840	0.00324	1	07/12/2020 00:10	WG1507499
Dibromomethane	U		0.000972	0.00648	1	07/12/2020 00:10	WG1507499
1,2-Dichlorobenzene	U		0.000551	0.00648	1	07/12/2020 00:10	WG1507499
1,3-Dichlorobenzene	U		0.000778	0.00648	1	07/12/2020 00:10	WG1507499
1,4-Dichlorobenzene	U		0.000907	0.00648	1	07/12/2020 00:10	WG1507499
Dichlorodifluoromethane	U		0.00209	0.00324	1	07/12/2020 00:10	WG1507499
1,1-Dichloroethane	U		0.000636	0.00324	1	07/12/2020 00:10	WG1507499
1,2-Dichloroethane	U		0.000841	0.00324	1	07/12/2020 00:10	WG1507499
1,1-Dichloroethene	U		0.000785	0.00324	1	07/12/2020 00:10	WG1507499
cis-1,2-Dichloroethene	U		0.000951	0.00324	1	07/12/2020 00:10	WG1507499
trans-1,2-Dichloroethene	U	J4	0.00135	0.00648	1	07/12/2020 00:10	WG1507499
1,2-Dichloropropane	U		0.00184	0.00648	1	07/12/2020 00:10	WG1507499
1,1-Dichloropropene	U		0.00105	0.00324	1	07/12/2020 00:10	WG1507499
1,3-Dichloropropane	U		0.000649	0.00648	1	07/12/2020 00:10	WG1507499
cis-1,3-Dichloropropene	U		0.000981	0.00324	1	07/12/2020 00:10	WG1507499
trans-1,3-Dichloropropene	U		0.00148	0.00648	1	07/12/2020 00:10	WG1507499
trans-1,4-Dichloro-2-butene	U	J0	0.00241	0.00648	1	07/12/2020 00:10	WG1507499
2,2-Dichloropropane	U		0.00179	0.00324	1	07/12/2020 00:10	WG1507499
Di-isopropyl ether	U		0.000531	0.00130	1	07/12/2020 00:10	WG1507499
Ethylbenzene	U		0.000955	0.00324	1	07/12/2020 00:10	WG1507499
Hexachloro-1,3-butadiene	U		0.00778	0.0324	1	07/12/2020 00:10	WG1507499
2-Hexanone	U		0.00435	0.0324	1	07/12/2020 00:10	WG1507499
n-Hexane	U		0.00293	0.00648	1	07/12/2020 00:10	WG1507499
Iodomethane	U		0.00301	0.0162	1	07/12/2020 00:10	WG1507499
Isopropylbenzene	U		0.000551	0.00324	1	07/12/2020 00:10	WG1507499
p-Isopropyltoluene	U		0.00330	0.00648	1	07/12/2020 00:10	WG1507499
2-Butanone (MEK)	U		0.0823	0.130	1	07/12/2020 00:10	WG1507499
Methylene Chloride	U		0.00860	0.0324	1	07/12/2020 00:10	WG1507499
4-Methyl-2-pentanone (MIBK)	U		0.00295	0.0324	1	07/12/2020 00:10	WG1507499

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		0.000454	0.00130	1	07/12/2020 00:10	WG1507499
Naphthalene	U		0.00632	0.0162	1	07/12/2020 00:10	WG1507499
n-Propylbenzene	U		0.00123	0.00648	1	07/12/2020 00:10	WG1507499
Styrene	U		0.000297	0.0162	1	07/12/2020 00:10	WG1507499
1,1,1,2-Tetrachloroethane	U		0.00123	0.00324	1	07/12/2020 00:10	WG1507499
1,1,2,2-Tetrachloroethane	U		0.000901	0.00324	1	07/12/2020 00:10	WG1507499
1,1,2-Trichlorotrifluoroethane	U		0.000977	0.00324	1	07/12/2020 00:10	WG1507499
Tetrachloroethene	0.00158	J	0.00116	0.00324	1	07/12/2020 00:10	WG1507499
Toluene	U		0.00168	0.00648	1	07/12/2020 00:10	WG1507499
1,2,3-Trichlorobenzene	U		0.00950	0.0162	1	07/12/2020 00:10	WG1507499
1,2,4-Trichlorobenzene	U		0.00570	0.0162	1	07/12/2020 00:10	WG1507499
1,1,1-Trichloroethane	U		0.00120	0.00324	1	07/12/2020 00:10	WG1507499
1,1,2-Trichloroethane	U		0.000774	0.00324	1	07/12/2020 00:10	WG1507499
Trichloroethene	U		0.000757	0.00130	1	07/12/2020 00:10	WG1507499
Trichlorofluoromethane	U		0.00107	0.00324	1	07/12/2020 00:10	WG1507499
1,2,3-Trichloropropane	U		0.00210	0.0162	1	07/12/2020 00:10	WG1507499
1,2,4-Trimethylbenzene	U		0.00205	0.00648	1	07/12/2020 00:10	WG1507499
1,2,3-Trimethylbenzene	U		0.00205	0.00648	1	07/12/2020 00:10	WG1507499
1,3,5-Trimethylbenzene	U		0.00259	0.00648	1	07/12/2020 00:10	WG1507499
Vinyl acetate	U		0.00329	0.0162	1	07/12/2020 00:10	WG1507499
Vinyl chloride	U		0.00150	0.00324	1	07/12/2020 00:10	WG1507499
Xylenes, Total	U		0.00114	0.00842	1	07/12/2020 00:10	WG1507499
(S) Toluene-d8	*104*			*75.0-131*		*07/12/2020 00:10*	WG1507499
(S) 4-Bromofluorobenzene	*91.4*			*67.0-138*		*07/12/2020 00:10*	WG1507499
(S) 1,2-Dichloroethane-d4	*92.5*			*70.0-130*		*07/12/2020 00:10*	WG1507499

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	07/11/2020 22:19	WG1507276

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		0.0505	0.0692	1	07/11/2020 17:34	WG1507172
Acrylonitrile	U		0.00500	0.0173	1	07/11/2020 17:34	WG1507172
Benzene	U		0.000647	0.00138	1	07/11/2020 17:34	WG1507172
Bromobenzene	U		0.00125	0.0173	1	07/11/2020 17:34	WG1507172
Bromodichloromethane	U		0.00100	0.00346	1	07/11/2020 17:34	WG1507172
Bromochloromethane	U		0.000781	0.00692	1	07/11/2020 17:34	WG1507172
Bromoform	U		0.00162	0.0346	1	07/11/2020 17:34	WG1507172
Bromomethane	U		0.00273	0.0173	1	07/11/2020 17:34	WG1507172
n-Butylbenzene	U		0.00727	0.0173	1	07/11/2020 17:34	WG1507172
sec-Butylbenzene	U		0.00399	0.0173	1	07/11/2020 17:34	WG1507172
tert-Butylbenzene	U		0.00270	0.00692	1	07/11/2020 17:34	WG1507172
Carbon disulfide	U		0.000969	0.0173	1	07/11/2020 17:34	WG1507172
Carbon tetrachloride	U		0.00124	0.00692	1	07/11/2020 17:34	WG1507172
Chlorobenzene	U		0.000291	0.00346	1	07/11/2020 17:34	WG1507172
Chlorodibromomethane	U		0.000847	0.00346	1	07/11/2020 17:34	WG1507172
Chloroethane	U		0.00235	0.00692	1	07/11/2020 17:34	WG1507172
Chloroform	U		0.00143	0.00346	1	07/11/2020 17:34	WG1507172
Chloromethane	U		0.00602	0.0173	1	07/11/2020 17:34	WG1507172
2-Chlorotoluene	U		0.00120	0.00346	1	07/11/2020 17:34	WG1507172
4-Chlorotoluene	U		0.000623	0.00692	1	07/11/2020 17:34	WG1507172
1,2-Dibromo-3-Chloropropane	U	J0	0.00540	0.0346	1	07/11/2020 17:34	WG1507172
1,2-Dibromoethane	U		0.000897	0.00346	1	07/11/2020 17:34	WG1507172
Dibromomethane	U		0.00104	0.00692	1	07/11/2020 17:34	WG1507172
1,2-Dichlorobenzene	U	J4	0.000588	0.00692	1	07/11/2020 17:34	WG1507172
1,3-Dichlorobenzene	U		0.000831	0.00692	1	07/11/2020 17:34	WG1507172
1,4-Dichlorobenzene	U		0.000969	0.00692	1	07/11/2020 17:34	WG1507172
Dichlorodifluoromethane	U		0.00223	0.00346	1	07/11/2020 17:34	WG1507172
1,1-Dichloroethane	U		0.000680	0.00346	1	07/11/2020 17:34	WG1507172
1,2-Dichloroethane	U		0.000899	0.00346	1	07/11/2020 17:34	WG1507172
1,1-Dichloroethene	U		0.000839	0.00346	1	07/11/2020 17:34	WG1507172
cis-1,2-Dichloroethene	U	J4	0.00102	0.00346	1	07/11/2020 17:34	WG1507172
trans-1,2-Dichloroethene	U		0.00144	0.00692	1	07/11/2020 17:34	WG1507172
1,2-Dichloropropane	U		0.00197	0.00692	1	07/11/2020 17:34	WG1507172
1,1-Dichloropropene	U		0.00112	0.00346	1	07/11/2020 17:34	WG1507172
1,3-Dichloropropane	U		0.000694	0.00692	1	07/11/2020 17:34	WG1507172
cis-1,3-Dichloropropene	U		0.00105	0.00346	1	07/11/2020 17:34	WG1507172
trans-1,3-Dichloropropene	U		0.00158	0.00692	1	07/11/2020 17:34	WG1507172
trans-1,4-Dichloro-2-butene	U		0.00258	0.00692	1	07/11/2020 17:34	WG1507172
2,2-Dichloropropane	U		0.00191	0.00346	1	07/11/2020 17:34	WG1507172
Di-isopropyl ether	U		0.000568	0.00138	1	07/11/2020 17:34	WG1507172
Ethylbenzene	U		0.00102	0.00346	1	07/11/2020 17:34	WG1507172
Hexachloro-1,3-butadiene	U		0.00831	0.0346	1	07/11/2020 17:34	WG1507172
2-Hexanone	U		0.00465	0.0346	1	07/11/2020 17:34	WG1507172
n-Hexane	U		0.00313	0.00692	1	07/11/2020 17:34	WG1507172
Iodomethane	U		0.00321	0.0173	1	07/11/2020 17:34	WG1507172
Isopropylbenzene	U		0.000588	0.00346	1	07/11/2020 17:34	WG1507172
p-Isopropyltoluene	U		0.00353	0.00692	1	07/11/2020 17:34	WG1507172
2-Butanone (MEK)	U		0.0879	0.138	1	07/11/2020 17:34	WG1507172
Methylene Chloride	U		0.00919	0.0346	1	07/11/2020 17:34	WG1507172
4-Methyl-2-pentanone (MIBK)	U		0.00316	0.0346	1	07/11/2020 17:34	WG1507172

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		0.000485	0.00138	1	07/11/2020 17:34	WG1507172
Naphthalene	U	J0	0.00676	0.0173	1	07/11/2020 17:34	WG1507172
n-Propylbenzene	U		0.00132	0.00692	1	07/11/2020 17:34	WG1507172
Styrene	U		0.000317	0.0173	1	07/11/2020 17:34	WG1507172
1,1,1,2-Tetrachloroethane	U		0.00131	0.00346	1	07/11/2020 17:34	WG1507172
1,1,2,2-Tetrachloroethane	U		0.000962	0.00346	1	07/11/2020 17:34	WG1507172
1,1,2-Trichlorotrifluoroethane	U		0.00104	0.00346	1	07/11/2020 17:34	WG1507172
Tetrachloroethene	0.00184	J	0.00124	0.00346	1	07/11/2020 17:34	WG1507172
Toluene	U		0.00180	0.00692	1	07/11/2020 17:34	WG1507172
1,2,3-Trichlorobenzene	U	J0	0.0101	0.0173	1	07/11/2020 17:34	WG1507172
1,2,4-Trichlorobenzene	U	J0	0.00609	0.0173	1	07/11/2020 17:34	WG1507172
1,1,1-Trichloroethane	U		0.00128	0.00346	1	07/11/2020 17:34	WG1507172
1,1,2-Trichloroethane	U		0.000827	0.00346	1	07/11/2020 17:34	WG1507172
Trichloroethene	U		0.000809	0.00138	1	07/11/2020 17:34	WG1507172
Trichlorofluoromethane	U		0.00114	0.00346	1	07/11/2020 17:34	WG1507172
1,2,3-Trichloropropane	U		0.00224	0.0173	1	07/11/2020 17:34	WG1507172
1,2,4-Trimethylbenzene	U		0.00219	0.00692	1	07/11/2020 17:34	WG1507172
1,2,3-Trimethylbenzene	U		0.00219	0.00692	1	07/11/2020 17:34	WG1507172
1,3,5-Trimethylbenzene	U		0.00277	0.00692	1	07/11/2020 17:34	WG1507172
Vinyl acetate	U	J0	0.00352	0.0173	1	07/11/2020 17:34	WG1507172
Vinyl chloride	U		0.00161	0.00346	1	07/11/2020 17:34	WG1507172
Xylenes, Total	U		0.00122	0.00900	1	07/11/2020 17:34	WG1507172
(S) Toluene-d8	*106*			*75.0-131*		*07/11/2020 17:34*	WG1507172
(S) 4-Bromofluorobenzene	*92.7*			*67.0-138*		*07/11/2020 17:34*	WG1507172
(S) 1,2-Dichloroethane-d4	*95.3*			*70.0-130*		*07/11/2020 17:34*	WG1507172

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	07/11/2020 22:43	WG1507277

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		0.0466	0.0638	1	07/11/2020 17:53	WG1507172
Acrylonitrile	U		0.00461	0.0159	1	07/11/2020 17:53	WG1507172
Benzene	U		0.000596	0.00128	1	07/11/2020 17:53	WG1507172
Bromobenzene	U		0.00115	0.0159	1	07/11/2020 17:53	WG1507172
Bromodichloromethane	U		0.000925	0.00319	1	07/11/2020 17:53	WG1507172
Bromochloromethane	U		0.000720	0.00638	1	07/11/2020 17:53	WG1507172
Bromoform	U		0.00149	0.0319	1	07/11/2020 17:53	WG1507172
Bromomethane	U		0.00251	0.0159	1	07/11/2020 17:53	WG1507172
n-Butylbenzene	U		0.00670	0.0159	1	07/11/2020 17:53	WG1507172
sec-Butylbenzene	U		0.00367	0.0159	1	07/11/2020 17:53	WG1507172
tert-Butylbenzene	U		0.00249	0.00638	1	07/11/2020 17:53	WG1507172
Carbon disulfide	U		0.000893	0.0159	1	07/11/2020 17:53	WG1507172
Carbon tetrachloride	U		0.00115	0.00638	1	07/11/2020 17:53	WG1507172
Chlorobenzene	U		0.000268	0.00319	1	07/11/2020 17:53	WG1507172
Chlorodibromomethane	U		0.000781	0.00319	1	07/11/2020 17:53	WG1507172
Chloroethane	U		0.00217	0.00638	1	07/11/2020 17:53	WG1507172
Chloroform	U		0.00131	0.00319	1	07/11/2020 17:53	WG1507172
Chloromethane	U		0.00555	0.0159	1	07/11/2020 17:53	WG1507172
2-Chlorotoluene	U		0.00110	0.00319	1	07/11/2020 17:53	WG1507172
4-Chlorotoluene	U		0.000574	0.00638	1	07/11/2020 17:53	WG1507172
1,2-Dibromo-3-Chloropropane	U	J0	0.00498	0.0319	1	07/11/2020 17:53	WG1507172
1,2-Dibromoethane	U		0.000827	0.00319	1	07/11/2020 17:53	WG1507172
Dibromomethane	U		0.000957	0.00638	1	07/11/2020 17:53	WG1507172
1,2-Dichlorobenzene	U	J4	0.000542	0.00638	1	07/11/2020 17:53	WG1507172
1,3-Dichlorobenzene	U		0.000765	0.00638	1	07/11/2020 17:53	WG1507172
1,4-Dichlorobenzene	U		0.000893	0.00638	1	07/11/2020 17:53	WG1507172
Dichlorodifluoromethane	U		0.00205	0.00319	1	07/11/2020 17:53	WG1507172
1,1-Dichloroethane	U		0.000626	0.00319	1	07/11/2020 17:53	WG1507172
1,2-Dichloroethane	U		0.000828	0.00319	1	07/11/2020 17:53	WG1507172
1,1-Dichloroethene	U		0.000773	0.00319	1	07/11/2020 17:53	WG1507172
cis-1,2-Dichloroethene	U	J4	0.000936	0.00319	1	07/11/2020 17:53	WG1507172
trans-1,2-Dichloroethene	U		0.00133	0.00638	1	07/11/2020 17:53	WG1507172
1,2-Dichloropropane	U		0.00181	0.00638	1	07/11/2020 17:53	WG1507172
1,1-Dichloropropene	U		0.00103	0.00319	1	07/11/2020 17:53	WG1507172
1,3-Dichloropropane	U		0.000639	0.00638	1	07/11/2020 17:53	WG1507172
cis-1,3-Dichloropropene	U		0.000966	0.00319	1	07/11/2020 17:53	WG1507172
trans-1,3-Dichloropropene	U		0.00145	0.00638	1	07/11/2020 17:53	WG1507172
trans-1,4-Dichloro-2-butene	U		0.00237	0.00638	1	07/11/2020 17:53	WG1507172
2,2-Dichloropropane	U		0.00176	0.00319	1	07/11/2020 17:53	WG1507172
Di-isopropyl ether	U		0.000523	0.00128	1	07/11/2020 17:53	WG1507172
Ethylbenzene	U		0.000940	0.00319	1	07/11/2020 17:53	WG1507172
Hexachloro-1,3-butadiene	U		0.00765	0.0319	1	07/11/2020 17:53	WG1507172
2-Hexanone	U		0.00429	0.0319	1	07/11/2020 17:53	WG1507172
n-Hexane	U		0.00288	0.00638	1	07/11/2020 17:53	WG1507172
Iodomethane	U		0.00296	0.0159	1	07/11/2020 17:53	WG1507172
Isopropylbenzene	U		0.000542	0.00319	1	07/11/2020 17:53	WG1507172
p-Isopropyltoluene	U		0.00325	0.00638	1	07/11/2020 17:53	WG1507172
2-Butanone (MEK)	U		0.0810	0.128	1	07/11/2020 17:53	WG1507172
Methylene Chloride	U		0.00847	0.0319	1	07/11/2020 17:53	WG1507172
4-Methyl-2-pentanone (MIBK)	U		0.00291	0.0319	1	07/11/2020 17:53	WG1507172

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		0.000447	0.00128	1	07/11/2020 17:53	WG1507172
Naphthalene	U	J0	0.00623	0.0159	1	07/11/2020 17:53	WG1507172
n-Propylbenzene	U		0.00121	0.00638	1	07/11/2020 17:53	WG1507172
Styrene	U		0.000292	0.0159	1	07/11/2020 17:53	WG1507172
1,1,1,2-Tetrachloroethane	U		0.00121	0.00319	1	07/11/2020 17:53	WG1507172
1,1,2,2-Tetrachloroethane	U		0.000887	0.00319	1	07/11/2020 17:53	WG1507172
1,1,2-Trichlorotrifluoroethane	U		0.000962	0.00319	1	07/11/2020 17:53	WG1507172
Tetrachloroethene	0.00273	J	0.00114	0.00319	1	07/11/2020 17:53	WG1507172
Toluene	U		0.00166	0.00638	1	07/11/2020 17:53	WG1507172
1,2,3-Trichlorobenzene	U	J0	0.00935	0.0159	1	07/11/2020 17:53	WG1507172
1,2,4-Trichlorobenzene	U	J0	0.00561	0.0159	1	07/11/2020 17:53	WG1507172
1,1,1-Trichloroethane	U		0.00118	0.00319	1	07/11/2020 17:53	WG1507172
1,1,2-Trichloroethane	U		0.000762	0.00319	1	07/11/2020 17:53	WG1507172
Trichloroethene	U		0.000745	0.00128	1	07/11/2020 17:53	WG1507172
Trichlorofluoromethane	U		0.00106	0.00319	1	07/11/2020 17:53	WG1507172
1,2,3-Trichloropropane	U		0.00207	0.0159	1	07/11/2020 17:53	WG1507172
1,2,4-Trimethylbenzene	U		0.00202	0.00638	1	07/11/2020 17:53	WG1507172
1,2,3-Trimethylbenzene	U		0.00202	0.00638	1	07/11/2020 17:53	WG1507172
1,3,5-Trimethylbenzene	U		0.00255	0.00638	1	07/11/2020 17:53	WG1507172
Vinyl acetate	U	J0	0.00324	0.0159	1	07/11/2020 17:53	WG1507172
Vinyl chloride	U		0.00148	0.00319	1	07/11/2020 17:53	WG1507172
Xylenes, Total	U		0.00112	0.00829	1	07/11/2020 17:53	WG1507172
(S) Toluene-d8	*106*			*75.0-131*		*07/11/2020 17:53*	WG1507172
(S) 4-Bromofluorobenzene	*90.4*			*67.0-138*		*07/11/2020 17:53*	WG1507172
(S) 1,2-Dichloroethane-d4	*97.9*			*70.0-130*		*07/11/2020 17:53*	WG1507172

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.2		1	07/11/2020 22:43	WG1507277

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		0.0400	0.0548	1	07/11/2020 18:12	WG1507172
Acrylonitrile	U		0.00396	0.0137	1	07/11/2020 18:12	WG1507172
Benzene	U		0.000512	0.00110	1	07/11/2020 18:12	WG1507172
Bromobenzene	U		0.000986	0.0137	1	07/11/2020 18:12	WG1507172
Bromodichloromethane	U		0.000795	0.00274	1	07/11/2020 18:12	WG1507172
Bromochloromethane	U		0.000618	0.00548	1	07/11/2020 18:12	WG1507172
Bromoform	U		0.00128	0.0274	1	07/11/2020 18:12	WG1507172
Bromomethane	U		0.00216	0.0137	1	07/11/2020 18:12	WG1507172
n-Butylbenzene	U		0.00575	0.0137	1	07/11/2020 18:12	WG1507172
sec-Butylbenzene	U		0.00316	0.0137	1	07/11/2020 18:12	WG1507172
tert-Butylbenzene	U		0.00214	0.00548	1	07/11/2020 18:12	WG1507172
Carbon disulfide	U		0.000767	0.0137	1	07/11/2020 18:12	WG1507172
Carbon tetrachloride	U		0.000984	0.00548	1	07/11/2020 18:12	WG1507172
Chlorobenzene	U		0.000230	0.00274	1	07/11/2020 18:12	WG1507172
Chlorodibromomethane	U		0.000671	0.00274	1	07/11/2020 18:12	WG1507172
Chloroethane	U		0.00186	0.00548	1	07/11/2020 18:12	WG1507172
Chloroform	U		0.00113	0.00274	1	07/11/2020 18:12	WG1507172
Chloromethane	U		0.00477	0.0137	1	07/11/2020 18:12	WG1507172
2-Chlorotoluene	U		0.000948	0.00274	1	07/11/2020 18:12	WG1507172
4-Chlorotoluene	U		0.000493	0.00548	1	07/11/2020 18:12	WG1507172
1,2-Dibromo-3-Chloropropane	U	J0	0.00427	0.0274	1	07/11/2020 18:12	WG1507172
1,2-Dibromoethane	U		0.000710	0.00274	1	07/11/2020 18:12	WG1507172
Dibromomethane	U		0.000822	0.00548	1	07/11/2020 18:12	WG1507172
1,2-Dichlorobenzene	U	J4	0.000466	0.00548	1	07/11/2020 18:12	WG1507172
1,3-Dichlorobenzene	0.000792	J	0.000658	0.00548	1	07/11/2020 18:12	WG1507172
1,4-Dichlorobenzene	U		0.000767	0.00548	1	07/11/2020 18:12	WG1507172
Dichlorodifluoromethane	U		0.00176	0.00274	1	07/11/2020 18:12	WG1507172
1,1-Dichloroethane	U		0.000538	0.00274	1	07/11/2020 18:12	WG1507172
1,2-Dichloroethane	U		0.000711	0.00274	1	07/11/2020 18:12	WG1507172
1,1-Dichloroethene	U		0.000664	0.00274	1	07/11/2020 18:12	WG1507172
cis-1,2-Dichloroethene	U	J4	0.000804	0.00274	1	07/11/2020 18:12	WG1507172
trans-1,2-Dichloroethene	U		0.00114	0.00548	1	07/11/2020 18:12	WG1507172
1,2-Dichloropropane	U		0.00156	0.00548	1	07/11/2020 18:12	WG1507172
1,1-Dichloropropene	U		0.000887	0.00274	1	07/11/2020 18:12	WG1507172
1,3-Dichloropropane	U		0.000549	0.00548	1	07/11/2020 18:12	WG1507172
cis-1,3-Dichloropropene	U		0.000830	0.00274	1	07/11/2020 18:12	WG1507172
trans-1,3-Dichloropropene	U		0.00125	0.00548	1	07/11/2020 18:12	WG1507172
trans-1,4-Dichloro-2-butene	U		0.00204	0.00548	1	07/11/2020 18:12	WG1507172
2,2-Dichloropropane	U		0.00151	0.00274	1	07/11/2020 18:12	WG1507172
Di-isopropyl ether	U		0.000449	0.00110	1	07/11/2020 18:12	WG1507172
Ethylbenzene	U		0.000808	0.00274	1	07/11/2020 18:12	WG1507172
Hexachloro-1,3-butadiene	U		0.00658	0.0274	1	07/11/2020 18:12	WG1507172
2-Hexanone	U		0.00368	0.0274	1	07/11/2020 18:12	WG1507172
n-Hexane	U		0.00248	0.00548	1	07/11/2020 18:12	WG1507172
Iodomethane	U		0.00254	0.0137	1	07/11/2020 18:12	WG1507172
Isopropylbenzene	U		0.000466	0.00274	1	07/11/2020 18:12	WG1507172
p-Isopropyltoluene	U		0.00279	0.00548	1	07/11/2020 18:12	WG1507172
2-Butanone (MEK)	U		0.0696	0.110	1	07/11/2020 18:12	WG1507172
Methylene Chloride	U		0.00728	0.0274	1	07/11/2020 18:12	WG1507172
4-Methyl-2-pentanone (MIBK)	U		0.00250	0.0274	1	07/11/2020 18:12	WG1507172

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		0.000384	0.00110	1	07/11/2020 18:12	WG1507172
Naphthalene	U	J0	0.00535	0.0137	1	07/11/2020 18:12	WG1507172
n-Propylbenzene	U		0.00104	0.00548	1	07/11/2020 18:12	WG1507172
Styrene	U		0.000251	0.0137	1	07/11/2020 18:12	WG1507172
1,1,1,2-Tetrachloroethane	U		0.00104	0.00274	1	07/11/2020 18:12	WG1507172
1,1,2,2-Tetrachloroethane	U		0.000762	0.00274	1	07/11/2020 18:12	WG1507172
1,1,2-Trichlorotrifluoroethane	U		0.000826	0.00274	1	07/11/2020 18:12	WG1507172
Tetrachloroethene	U		0.000982	0.00274	1	07/11/2020 18:12	WG1507172
Toluene	U		0.00142	0.00548	1	07/11/2020 18:12	WG1507172
1,2,3-Trichlorobenzene	U	J0	0.00803	0.0137	1	07/11/2020 18:12	WG1507172
1,2,4-Trichlorobenzene	U	J0	0.00482	0.0137	1	07/11/2020 18:12	WG1507172
1,1,1-Trichloroethane	U		0.00101	0.00274	1	07/11/2020 18:12	WG1507172
1,1,2-Trichloroethane	U		0.000654	0.00274	1	07/11/2020 18:12	WG1507172
Trichloroethene	U		0.000640	0.00110	1	07/11/2020 18:12	WG1507172
Trichlorofluoromethane	U		0.000906	0.00274	1	07/11/2020 18:12	WG1507172
1,2,3-Trichloropropane	U		0.00178	0.0137	1	07/11/2020 18:12	WG1507172
1,2,4-Trimethylbenzene	U		0.00173	0.00548	1	07/11/2020 18:12	WG1507172
1,2,3-Trimethylbenzene	U		0.00173	0.00548	1	07/11/2020 18:12	WG1507172
1,3,5-Trimethylbenzene	U		0.00219	0.00548	1	07/11/2020 18:12	WG1507172
Vinyl acetate	U	J0	0.00278	0.0137	1	07/11/2020 18:12	WG1507172
Vinyl chloride	U		0.00127	0.00274	1	07/11/2020 18:12	WG1507172
Xylenes, Total	U		0.000965	0.00712	1	07/11/2020 18:12	WG1507172
(S) Toluene-d8	*103*			*75.0-131*		*07/11/2020 18:12*	WG1507172
(S) 4-Bromofluorobenzene	*92.5*			*67.0-138*		*07/11/2020 18:12*	WG1507172
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*		*07/11/2020 18:12*	WG1507172

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.0		1	07/11/2020 22:43	WG1507277

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		0.0508	0.0695	1	07/11/2020 18:31	WG1507172
Acrylonitrile	U		0.00502	0.0174	1	07/11/2020 18:31	WG1507172
Benzene	0.00156		0.000649	0.00139	1	07/11/2020 18:31	WG1507172
Bromobenzene	U		0.00125	0.0174	1	07/11/2020 18:31	WG1507172
Bromodichloromethane	U		0.00101	0.00348	1	07/11/2020 18:31	WG1507172
Bromochloromethane	U		0.000784	0.00695	1	07/11/2020 18:31	WG1507172
Bromoform	U		0.00163	0.0348	1	07/11/2020 18:31	WG1507172
Bromomethane	U		0.00274	0.0174	1	07/11/2020 18:31	WG1507172
n-Butylbenzene	U		0.00730	0.0174	1	07/11/2020 18:31	WG1507172
sec-Butylbenzene	U		0.00400	0.0174	1	07/11/2020 18:31	WG1507172
tert-Butylbenzene	U		0.00271	0.00695	1	07/11/2020 18:31	WG1507172
Carbon disulfide	U		0.000973	0.0174	1	07/11/2020 18:31	WG1507172
Carbon tetrachloride	U		0.00125	0.00695	1	07/11/2020 18:31	WG1507172
Chlorobenzene	U		0.000292	0.00348	1	07/11/2020 18:31	WG1507172
Chlorodibromomethane	U		0.000851	0.00348	1	07/11/2020 18:31	WG1507172
Chloroethane	U		0.00236	0.00695	1	07/11/2020 18:31	WG1507172
Chloroform	U		0.00143	0.00348	1	07/11/2020 18:31	WG1507172
Chloromethane	U		0.00605	0.0174	1	07/11/2020 18:31	WG1507172
2-Chlorotoluene	U		0.00120	0.00348	1	07/11/2020 18:31	WG1507172
4-Chlorotoluene	U		0.000626	0.00695	1	07/11/2020 18:31	WG1507172
1,2-Dibromo-3-Chloropropane	U	J0	0.00542	0.0348	1	07/11/2020 18:31	WG1507172
1,2-Dibromoethane	U		0.000901	0.00348	1	07/11/2020 18:31	WG1507172
Dibromomethane	U		0.00104	0.00695	1	07/11/2020 18:31	WG1507172
1,2-Dichlorobenzene	0.00307	J J4	0.000591	0.00695	1	07/11/2020 18:31	WG1507172
1,3-Dichlorobenzene	U		0.000834	0.00695	1	07/11/2020 18:31	WG1507172
1,4-Dichlorobenzene	U		0.000973	0.00695	1	07/11/2020 18:31	WG1507172
Dichlorodifluoromethane	U		0.00224	0.00348	1	07/11/2020 18:31	WG1507172
1,1-Dichloroethane	U		0.000683	0.00348	1	07/11/2020 18:31	WG1507172
1,2-Dichloroethane	U		0.000902	0.00348	1	07/11/2020 18:31	WG1507172
1,1-Dichloroethene	U		0.000843	0.00348	1	07/11/2020 18:31	WG1507172
cis-1,2-Dichloroethene	U	J4	0.00102	0.00348	1	07/11/2020 18:31	WG1507172
trans-1,2-Dichloroethene	U		0.00145	0.00695	1	07/11/2020 18:31	WG1507172
1,2-Dichloropropane	U		0.00197	0.00695	1	07/11/2020 18:31	WG1507172
1,1-Dichloropropene	U		0.00112	0.00348	1	07/11/2020 18:31	WG1507172
1,3-Dichloropropane	U		0.000697	0.00695	1	07/11/2020 18:31	WG1507172
cis-1,3-Dichloropropene	U		0.00105	0.00348	1	07/11/2020 18:31	WG1507172
trans-1,3-Dichloropropene	U		0.00159	0.00695	1	07/11/2020 18:31	WG1507172
trans-1,4-Dichloro-2-butene	U		0.00259	0.00695	1	07/11/2020 18:31	WG1507172
2,2-Dichloropropane	U		0.00192	0.00348	1	07/11/2020 18:31	WG1507172
Di-isopropyl ether	U		0.000570	0.00139	1	07/11/2020 18:31	WG1507172
Ethylbenzene	0.00452		0.00102	0.00348	1	07/11/2020 18:31	WG1507172
Hexachloro-1,3-butadiene	U		0.00834	0.0348	1	07/11/2020 18:31	WG1507172
2-Hexanone	U		0.00467	0.0348	1	07/11/2020 18:31	WG1507172
n-Hexane	0.0112		0.00314	0.00695	1	07/11/2020 18:31	WG1507172
Iodomethane	U		0.00323	0.0174	1	07/11/2020 18:31	WG1507172
Isopropylbenzene	0.00106	J	0.000591	0.00348	1	07/11/2020 18:31	WG1507172
p-Isopropyltoluene	U		0.00355	0.00695	1	07/11/2020 18:31	WG1507172
2-Butanone (MEK)	U		0.0883	0.139	1	07/11/2020 18:31	WG1507172
Methylene Chloride	U		0.00923	0.0348	1	07/11/2020 18:31	WG1507172
4-Methyl-2-pentanone (MIBK)	U		0.00317	0.0348	1	07/11/2020 18:31	WG1507172

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		0.000487	0.00139	1	07/11/2020 18:31	WG1507172
Naphthalene	U	J0	0.00679	0.0174	1	07/11/2020 18:31	WG1507172
n-Propylbenzene	0.00202	J	0.00132	0.00695	1	07/11/2020 18:31	WG1507172
Styrene	U		0.000318	0.0174	1	07/11/2020 18:31	WG1507172
1,1,1,2-Tetrachloroethane	U		0.00132	0.00348	1	07/11/2020 18:31	WG1507172
1,1,2,2-Tetrachloroethane	U		0.000966	0.00348	1	07/11/2020 18:31	WG1507172
1,1,2-Trichlorotrifluoroethane	U		0.00105	0.00348	1	07/11/2020 18:31	WG1507172
Tetrachloroethene	0.00538		0.00125	0.00348	1	07/11/2020 18:31	WG1507172
Toluene	0.00495	J	0.00181	0.00695	1	07/11/2020 18:31	WG1507172
1,2,3-Trichlorobenzene	U	J0	0.0102	0.0174	1	07/11/2020 18:31	WG1507172
1,2,4-Trichlorobenzene	U	J0	0.00612	0.0174	1	07/11/2020 18:31	WG1507172
1,1,1-Trichloroethane	U		0.00128	0.00348	1	07/11/2020 18:31	WG1507172
1,1,2-Trichloroethane	U		0.000830	0.00348	1	07/11/2020 18:31	WG1507172
Trichloroethene	U		0.000812	0.00139	1	07/11/2020 18:31	WG1507172
Trichlorofluoromethane	U		0.00115	0.00348	1	07/11/2020 18:31	WG1507172
1,2,3-Trichloropropane	U		0.00225	0.0174	1	07/11/2020 18:31	WG1507172
1,2,4-Trimethylbenzene	0.00261	J	0.00220	0.00695	1	07/11/2020 18:31	WG1507172
1,2,3-Trimethylbenzene	0.00254	J	0.00220	0.00695	1	07/11/2020 18:31	WG1507172
1,3,5-Trimethylbenzene	U		0.00278	0.00695	1	07/11/2020 18:31	WG1507172
Vinyl acetate	U	J0	0.00353	0.0174	1	07/11/2020 18:31	WG1507172
Vinyl chloride	U		0.00161	0.00348	1	07/11/2020 18:31	WG1507172
Xylenes, Total	0.0259		0.00122	0.00904	1	07/11/2020 18:31	WG1507172
(S) Toluene-d8	*104*			*75.0-131*		*07/11/2020 18:31*	WG1507172
(S) 4-Bromofluorobenzene	*93.0*			*67.0-138*		*07/11/2020 18:31*	WG1507172
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*07/11/2020 18:31*	WG1507172

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	07/11/2020 22:43	WG1507277

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		0.0517	0.0709	1	07/12/2020 00:29	WG1507499
Acrylonitrile	U		0.00512	0.0177	1	07/12/2020 00:29	WG1507499
Benzene	U		0.000662	0.00142	1	07/12/2020 00:29	WG1507499
Bromobenzene	U		0.00128	0.0177	1	07/12/2020 00:29	WG1507499
Bromodichloromethane	U		0.00103	0.00354	1	07/12/2020 00:29	WG1507499
Bromochloromethane	U		0.000799	0.00709	1	07/12/2020 00:29	WG1507499
Bromoform	U		0.00166	0.0354	1	07/12/2020 00:29	WG1507499
Bromomethane	U		0.00279	0.0177	1	07/12/2020 00:29	WG1507499
n-Butylbenzene	U		0.00744	0.0177	1	07/12/2020 00:29	WG1507499
sec-Butylbenzene	U		0.00408	0.0177	1	07/12/2020 00:29	WG1507499
tert-Butylbenzene	U		0.00276	0.00709	1	07/12/2020 00:29	WG1507499
Carbon disulfide	U		0.000992	0.0177	1	07/12/2020 00:29	WG1507499
Carbon tetrachloride	U		0.00127	0.00709	1	07/12/2020 00:29	WG1507499
Chlorobenzene	U		0.000298	0.00354	1	07/12/2020 00:29	WG1507499
Chlorodibromomethane	U		0.000867	0.00354	1	07/12/2020 00:29	WG1507499
Chloroethane	U		0.00241	0.00709	1	07/12/2020 00:29	WG1507499
Chloroform	U		0.00146	0.00354	1	07/12/2020 00:29	WG1507499
Chloromethane	U		0.00617	0.0177	1	07/12/2020 00:29	WG1507499
2-Chlorotoluene	U		0.00123	0.00354	1	07/12/2020 00:29	WG1507499
4-Chlorotoluene	U		0.000638	0.00709	1	07/12/2020 00:29	WG1507499
1,2-Dibromo-3-Chloropropane	U	J0	0.00553	0.0354	1	07/12/2020 00:29	WG1507499
1,2-Dibromoethane	U		0.000918	0.00354	1	07/12/2020 00:29	WG1507499
Dibromomethane	U		0.00106	0.00709	1	07/12/2020 00:29	WG1507499
1,2-Dichlorobenzene	U		0.000602	0.00709	1	07/12/2020 00:29	WG1507499
1,3-Dichlorobenzene	U		0.000850	0.00709	1	07/12/2020 00:29	WG1507499
1,4-Dichlorobenzene	U		0.000992	0.00709	1	07/12/2020 00:29	WG1507499
Dichlorodifluoromethane	U		0.00228	0.00354	1	07/12/2020 00:29	WG1507499
1,1-Dichloroethane	U		0.000696	0.00354	1	07/12/2020 00:29	WG1507499
1,2-Dichloroethane	U		0.000920	0.00354	1	07/12/2020 00:29	WG1507499
1,1-Dichloroethene	U		0.000859	0.00354	1	07/12/2020 00:29	WG1507499
cis-1,2-Dichloroethene	U		0.00104	0.00354	1	07/12/2020 00:29	WG1507499
trans-1,2-Dichloroethene	U	J4	0.00147	0.00709	1	07/12/2020 00:29	WG1507499
1,2-Dichloropropane	U		0.00201	0.00709	1	07/12/2020 00:29	WG1507499
1,1-Dichloropropene	U		0.00115	0.00354	1	07/12/2020 00:29	WG1507499
1,3-Dichloropropane	U		0.000710	0.00709	1	07/12/2020 00:29	WG1507499
cis-1,3-Dichloropropene	U		0.00107	0.00354	1	07/12/2020 00:29	WG1507499
trans-1,3-Dichloropropene	U		0.00162	0.00709	1	07/12/2020 00:29	WG1507499
trans-1,4-Dichloro-2-butene	U	J0	0.00264	0.00709	1	07/12/2020 00:29	WG1507499
2,2-Dichloropropane	U		0.00196	0.00354	1	07/12/2020 00:29	WG1507499
Di-isopropyl ether	U		0.000581	0.00142	1	07/12/2020 00:29	WG1507499
Ethylbenzene	U		0.00104	0.00354	1	07/12/2020 00:29	WG1507499
Hexachloro-1,3-butadiene	U		0.00850	0.0354	1	07/12/2020 00:29	WG1507499
2-Hexanone	U		0.00476	0.0354	1	07/12/2020 00:29	WG1507499
n-Hexane	0.00398	J	0.00320	0.00709	1	07/12/2020 00:29	WG1507499
Iodomethane	U		0.00329	0.0177	1	07/12/2020 00:29	WG1507499
Isopropylbenzene	U		0.000602	0.00354	1	07/12/2020 00:29	WG1507499
p-Isopropyltoluene	U		0.00361	0.00709	1	07/12/2020 00:29	WG1507499
2-Butanone (MEK)	U		0.0900	0.142	1	07/12/2020 00:29	WG1507499
Methylene Chloride	U		0.00941	0.0354	1	07/12/2020 00:29	WG1507499
4-Methyl-2-pentanone (MIBK)	U		0.00323	0.0354	1	07/12/2020 00:29	WG1507499

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		0.000496	0.00142	1	07/12/2020 00:29	WG1507499
Naphthalene	U		0.00692	0.0177	1	07/12/2020 00:29	WG1507499
n-Propylbenzene	U		0.00135	0.00709	1	07/12/2020 00:29	WG1507499
Styrene	U		0.000325	0.0177	1	07/12/2020 00:29	WG1507499
1,1,1,2-Tetrachloroethane	U		0.00134	0.00354	1	07/12/2020 00:29	WG1507499
1,1,2,2-Tetrachloroethane	U		0.000985	0.00354	1	07/12/2020 00:29	WG1507499
1,1,2-Trichlorotrifluoroethane	U		0.00107	0.00354	1	07/12/2020 00:29	WG1507499
Tetrachloroethene	U		0.00127	0.00354	1	07/12/2020 00:29	WG1507499
Toluene	U		0.00184	0.00709	1	07/12/2020 00:29	WG1507499
1,2,3-Trichlorobenzene	U		0.0104	0.0177	1	07/12/2020 00:29	WG1507499
1,2,4-Trichlorobenzene	U		0.00624	0.0177	1	07/12/2020 00:29	WG1507499
1,1,1-Trichloroethane	U		0.00131	0.00354	1	07/12/2020 00:29	WG1507499
1,1,2-Trichloroethane	U		0.000846	0.00354	1	07/12/2020 00:29	WG1507499
Trichloroethene	U		0.000828	0.00142	1	07/12/2020 00:29	WG1507499
Trichlorofluoromethane	U		0.00117	0.00354	1	07/12/2020 00:29	WG1507499
1,2,3-Trichloropropane	U		0.00230	0.0177	1	07/12/2020 00:29	WG1507499
1,2,4-Trimethylbenzene	U		0.00224	0.00709	1	07/12/2020 00:29	WG1507499
1,2,3-Trimethylbenzene	U		0.00224	0.00709	1	07/12/2020 00:29	WG1507499
1,3,5-Trimethylbenzene	U		0.00283	0.00709	1	07/12/2020 00:29	WG1507499
Vinyl acetate	U		0.00360	0.0177	1	07/12/2020 00:29	WG1507499
Vinyl chloride	U		0.00164	0.00354	1	07/12/2020 00:29	WG1507499
Xylenes, Total	0.00276	J	0.00125	0.00921	1	07/12/2020 00:29	WG1507499
(S) Toluene-d8	*103*			*75.0-131*		*07/12/2020 00:29*	WG1507499
(S) 4-Bromofluorobenzene	*90.4*			*67.0-138*		*07/12/2020 00:29*	WG1507499
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*07/12/2020 00:29*	WG1507499

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.2		1	07/11/2020 22:43	WG1507277

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		0.0481	0.0659	1	07/12/2020 00:48	WG1507499
Acrylonitrile	U		0.00476	0.0165	1	07/12/2020 00:48	WG1507499
Benzene	U		0.000616	0.00132	1	07/12/2020 00:48	WG1507499
Bromobenzene	U		0.00119	0.0165	1	07/12/2020 00:48	WG1507499
Bromodichloromethane	U		0.000956	0.00330	1	07/12/2020 00:48	WG1507499
Bromochloromethane	U		0.000743	0.00659	1	07/12/2020 00:48	WG1507499
Bromoform	U		0.00154	0.0330	1	07/12/2020 00:48	WG1507499
Bromomethane	U		0.00260	0.0165	1	07/12/2020 00:48	WG1507499
n-Butylbenzene	U		0.00692	0.0165	1	07/12/2020 00:48	WG1507499
sec-Butylbenzene	U		0.00380	0.0165	1	07/12/2020 00:48	WG1507499
tert-Butylbenzene	U		0.00257	0.00659	1	07/12/2020 00:48	WG1507499
Carbon disulfide	U		0.000923	0.0165	1	07/12/2020 00:48	WG1507499
Carbon tetrachloride	U		0.00118	0.00659	1	07/12/2020 00:48	WG1507499
Chlorobenzene	U		0.000277	0.00330	1	07/12/2020 00:48	WG1507499
Chlorodibromomethane	U		0.000807	0.00330	1	07/12/2020 00:48	WG1507499
Chloroethane	U		0.00224	0.00659	1	07/12/2020 00:48	WG1507499
Chloroform	U		0.00136	0.00330	1	07/12/2020 00:48	WG1507499
Chloromethane	U		0.00573	0.0165	1	07/12/2020 00:48	WG1507499
2-Chlorotoluene	U		0.00114	0.00330	1	07/12/2020 00:48	WG1507499
4-Chlorotoluene	U		0.000593	0.00659	1	07/12/2020 00:48	WG1507499
1,2-Dibromo-3-Chloropropane	U	J0	0.00514	0.0330	1	07/12/2020 00:48	WG1507499
1,2-Dibromoethane	U		0.000854	0.00330	1	07/12/2020 00:48	WG1507499
Dibromomethane	U		0.000989	0.00659	1	07/12/2020 00:48	WG1507499
1,2-Dichlorobenzene	U		0.000560	0.00659	1	07/12/2020 00:48	WG1507499
1,3-Dichlorobenzene	U		0.000791	0.00659	1	07/12/2020 00:48	WG1507499
1,4-Dichlorobenzene	U		0.000923	0.00659	1	07/12/2020 00:48	WG1507499
Dichlorodifluoromethane	U		0.00212	0.00330	1	07/12/2020 00:48	WG1507499
1,1-Dichloroethane	U		0.000647	0.00330	1	07/12/2020 00:48	WG1507499
1,2-Dichloroethane	U		0.000856	0.00330	1	07/12/2020 00:48	WG1507499
1,1-Dichloroethene	U		0.000799	0.00330	1	07/12/2020 00:48	WG1507499
cis-1,2-Dichloroethene	U		0.000968	0.00330	1	07/12/2020 00:48	WG1507499
trans-1,2-Dichloroethene	U	J4	0.00137	0.00659	1	07/12/2020 00:48	WG1507499
1,2-Dichloropropane	U		0.00187	0.00659	1	07/12/2020 00:48	WG1507499
1,1-Dichloropropene	U		0.00107	0.00330	1	07/12/2020 00:48	WG1507499
1,3-Dichloropropane	U		0.000660	0.00659	1	07/12/2020 00:48	WG1507499
cis-1,3-Dichloropropene	U		0.000998	0.00330	1	07/12/2020 00:48	WG1507499
trans-1,3-Dichloropropene	U		0.00150	0.00659	1	07/12/2020 00:48	WG1507499
trans-1,4-Dichloro-2-butene	U	J0	0.00245	0.00659	1	07/12/2020 00:48	WG1507499
2,2-Dichloropropane	U		0.00182	0.00330	1	07/12/2020 00:48	WG1507499
Di-isopropyl ether	U		0.000540	0.00132	1	07/12/2020 00:48	WG1507499
Ethylbenzene	U		0.000972	0.00330	1	07/12/2020 00:48	WG1507499
Hexachloro-1,3-butadiene	U		0.00791	0.0330	1	07/12/2020 00:48	WG1507499
2-Hexanone	U		0.00443	0.0330	1	07/12/2020 00:48	WG1507499
n-Hexane	U		0.00298	0.00659	1	07/12/2020 00:48	WG1507499
Iodomethane	U		0.00306	0.0165	1	07/12/2020 00:48	WG1507499
Isopropylbenzene	U		0.000560	0.00330	1	07/12/2020 00:48	WG1507499
p-Isopropyltoluene	U		0.00336	0.00659	1	07/12/2020 00:48	WG1507499
2-Butanone (MEK)	U		0.0837	0.132	1	07/12/2020 00:48	WG1507499
Methylene Chloride	U		0.00875	0.0330	1	07/12/2020 00:48	WG1507499
4-Methyl-2-pentanone (MIBK)	U		0.00301	0.0330	1	07/12/2020 00:48	WG1507499

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		0.000461	0.00132	1	07/12/2020 00:48	WG1507499
Naphthalene	U		0.00643	0.0165	1	07/12/2020 00:48	WG1507499
n-Propylbenzene	U		0.00125	0.00659	1	07/12/2020 00:48	WG1507499
Styrene	U		0.000302	0.0165	1	07/12/2020 00:48	WG1507499
1,1,1,2-Tetrachloroethane	U		0.00125	0.00330	1	07/12/2020 00:48	WG1507499
1,1,2,2-Tetrachloroethane	U		0.000916	0.00330	1	07/12/2020 00:48	WG1507499
1,1,2-Trichlorotrifluoroethane	U		0.000994	0.00330	1	07/12/2020 00:48	WG1507499
Tetrachloroethene	U		0.00118	0.00330	1	07/12/2020 00:48	WG1507499
Toluene	U		0.00171	0.00659	1	07/12/2020 00:48	WG1507499
1,2,3-Trichlorobenzene	U		0.00966	0.0165	1	07/12/2020 00:48	WG1507499
1,2,4-Trichlorobenzene	U		0.00580	0.0165	1	07/12/2020 00:48	WG1507499
1,1,1-Trichloroethane	U		0.00122	0.00330	1	07/12/2020 00:48	WG1507499
1,1,2-Trichloroethane	U		0.000787	0.00330	1	07/12/2020 00:48	WG1507499
Trichloroethene	U		0.000770	0.00132	1	07/12/2020 00:48	WG1507499
Trichlorofluoromethane	U		0.00109	0.00330	1	07/12/2020 00:48	WG1507499
1,2,3-Trichloropropane	U		0.00214	0.0165	1	07/12/2020 00:48	WG1507499
1,2,4-Trimethylbenzene	U		0.00208	0.00659	1	07/12/2020 00:48	WG1507499
1,2,3-Trimethylbenzene	U		0.00208	0.00659	1	07/12/2020 00:48	WG1507499
1,3,5-Trimethylbenzene	U		0.00264	0.00659	1	07/12/2020 00:48	WG1507499
Vinyl acetate	U		0.00335	0.0165	1	07/12/2020 00:48	WG1507499
Vinyl chloride	U		0.00153	0.00330	1	07/12/2020 00:48	WG1507499
Xylenes, Total	U		0.00116	0.00857	1	07/12/2020 00:48	WG1507499
(S) Toluene-d8	*105*			*75.0-131*		*07/12/2020 00:48*	WG1507499
(S) 4-Bromofluorobenzene	*90.8*			*67.0-138*		*07/12/2020 00:48*	WG1507499
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*07/12/2020 00:48*	WG1507499

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.0		1	07/11/2020 22:43	WG1507277

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		0.0488	0.0669	1	07/12/2020 01:07	WG1507499
Acrylonitrile	U		0.00483	0.0167	1	07/12/2020 01:07	WG1507499
Benzene	0.000864	J	0.000624	0.00134	1	07/12/2020 01:07	WG1507499
Bromobenzene	U		0.00120	0.0167	1	07/12/2020 01:07	WG1507499
Bromodichloromethane	U		0.000969	0.00334	1	07/12/2020 01:07	WG1507499
Bromochloromethane	U		0.000754	0.00669	1	07/12/2020 01:07	WG1507499
Bromoform	U		0.00156	0.0334	1	07/12/2020 01:07	WG1507499
Bromomethane	U		0.00263	0.0167	1	07/12/2020 01:07	WG1507499
n-Butylbenzene	U		0.00702	0.0167	1	07/12/2020 01:07	WG1507499
sec-Butylbenzene	U		0.00385	0.0167	1	07/12/2020 01:07	WG1507499
tert-Butylbenzene	U		0.00261	0.00669	1	07/12/2020 01:07	WG1507499
Carbon disulfide	U		0.000936	0.0167	1	07/12/2020 01:07	WG1507499
Carbon tetrachloride	U		0.00120	0.00669	1	07/12/2020 01:07	WG1507499
Chlorobenzene	U		0.000281	0.00334	1	07/12/2020 01:07	WG1507499
Chlorodibromomethane	U		0.000818	0.00334	1	07/12/2020 01:07	WG1507499
Chloroethane	U		0.00227	0.00669	1	07/12/2020 01:07	WG1507499
Chloroform	U		0.00138	0.00334	1	07/12/2020 01:07	WG1507499
Chloromethane	U		0.00582	0.0167	1	07/12/2020 01:07	WG1507499
2-Chlorotoluene	U		0.00116	0.00334	1	07/12/2020 01:07	WG1507499
4-Chlorotoluene	U		0.000602	0.00669	1	07/12/2020 01:07	WG1507499
1,2-Dibromo-3-Chloropropane	U	J0	0.00521	0.0334	1	07/12/2020 01:07	WG1507499
1,2-Dibromoethane	U		0.000866	0.00334	1	07/12/2020 01:07	WG1507499
Dibromomethane	U		0.00100	0.00669	1	07/12/2020 01:07	WG1507499
1,2-Dichlorobenzene	U		0.000568	0.00669	1	07/12/2020 01:07	WG1507499
1,3-Dichlorobenzene	U		0.000802	0.00669	1	07/12/2020 01:07	WG1507499
1,4-Dichlorobenzene	U		0.000936	0.00669	1	07/12/2020 01:07	WG1507499
Dichlorodifluoromethane	U		0.00215	0.00334	1	07/12/2020 01:07	WG1507499
1,1-Dichloroethane	U		0.000656	0.00334	1	07/12/2020 01:07	WG1507499
1,2-Dichloroethane	U		0.000868	0.00334	1	07/12/2020 01:07	WG1507499
1,1-Dichloroethene	U		0.000810	0.00334	1	07/12/2020 01:07	WG1507499
cis-1,2-Dichloroethene	U		0.000981	0.00334	1	07/12/2020 01:07	WG1507499
trans-1,2-Dichloroethene	U	J4	0.00139	0.00669	1	07/12/2020 01:07	WG1507499
1,2-Dichloropropane	U		0.00190	0.00669	1	07/12/2020 01:07	WG1507499
1,1-Dichloropropene	U		0.00108	0.00334	1	07/12/2020 01:07	WG1507499
1,3-Dichloropropane	U		0.000670	0.00669	1	07/12/2020 01:07	WG1507499
cis-1,3-Dichloropropene	U		0.00101	0.00334	1	07/12/2020 01:07	WG1507499
trans-1,3-Dichloropropene	U		0.00152	0.00669	1	07/12/2020 01:07	WG1507499
trans-1,4-Dichloro-2-butene	U	J0	0.00249	0.00669	1	07/12/2020 01:07	WG1507499
2,2-Dichloropropane	U		0.00185	0.00334	1	07/12/2020 01:07	WG1507499
Di-isopropyl ether	U		0.000548	0.00134	1	07/12/2020 01:07	WG1507499
Ethylbenzene	U		0.000985	0.00334	1	07/12/2020 01:07	WG1507499
Hexachloro-1,3-butadiene	U		0.00802	0.0334	1	07/12/2020 01:07	WG1507499
2-Hexanone	U		0.00449	0.0334	1	07/12/2020 01:07	WG1507499
n-Hexane	U		0.00302	0.00669	1	07/12/2020 01:07	WG1507499
Iodomethane	U		0.00310	0.0167	1	07/12/2020 01:07	WG1507499
Isopropylbenzene	U		0.000568	0.00334	1	07/12/2020 01:07	WG1507499
p-Isopropyltoluene	U		0.00341	0.00669	1	07/12/2020 01:07	WG1507499
2-Butanone (MEK)	U		0.0849	0.134	1	07/12/2020 01:07	WG1507499
Methylene Chloride	U		0.00888	0.0334	1	07/12/2020 01:07	WG1507499
4-Methyl-2-pentanone (MIBK)	U		0.00305	0.0334	1	07/12/2020 01:07	WG1507499

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		0.000468	0.00134	1	07/12/2020 01:07	WG1507499
Naphthalene	U		0.00652	0.0167	1	07/12/2020 01:07	WG1507499
n-Propylbenzene	U		0.00127	0.00669	1	07/12/2020 01:07	WG1507499
Styrene	U		0.000306	0.0167	1	07/12/2020 01:07	WG1507499
1,1,1,2-Tetrachloroethane	U		0.00127	0.00334	1	07/12/2020 01:07	WG1507499
1,1,2,2-Tetrachloroethane	U		0.000929	0.00334	1	07/12/2020 01:07	WG1507499
1,1,2-Trichlorotrifluoroethane	U		0.00101	0.00334	1	07/12/2020 01:07	WG1507499
Tetrachloroethene	U		0.00120	0.00334	1	07/12/2020 01:07	WG1507499
Toluene	U		0.00174	0.00669	1	07/12/2020 01:07	WG1507499
1,2,3-Trichlorobenzene	U		0.00980	0.0167	1	07/12/2020 01:07	WG1507499
1,2,4-Trichlorobenzene	U		0.00588	0.0167	1	07/12/2020 01:07	WG1507499
1,1,1-Trichloroethane	U		0.00123	0.00334	1	07/12/2020 01:07	WG1507499
1,1,2-Trichloroethane	U		0.000798	0.00334	1	07/12/2020 01:07	WG1507499
Trichloroethene	U		0.000781	0.00134	1	07/12/2020 01:07	WG1507499
Trichlorofluoromethane	U		0.00111	0.00334	1	07/12/2020 01:07	WG1507499
1,2,3-Trichloropropane	U		0.00217	0.0167	1	07/12/2020 01:07	WG1507499
1,2,4-Trimethylbenzene	U		0.00211	0.00669	1	07/12/2020 01:07	WG1507499
1,2,3-Trimethylbenzene	U		0.00211	0.00669	1	07/12/2020 01:07	WG1507499
1,3,5-Trimethylbenzene	U		0.00267	0.00669	1	07/12/2020 01:07	WG1507499
Vinyl acetate	U		0.00340	0.0167	1	07/12/2020 01:07	WG1507499
Vinyl chloride	U		0.00155	0.00334	1	07/12/2020 01:07	WG1507499
Xylenes, Total	U		0.00118	0.00869	1	07/12/2020 01:07	WG1507499
(S) Toluene-d8	*106*			*75.0-131*		*07/12/2020 01:07*	WG1507499
(S) 4-Bromofluorobenzene	*91.3*			*67.0-138*		*07/12/2020 01:07*	WG1507499
(S) 1,2-Dichloroethane-d4	*91.4*			*70.0-130*		*07/12/2020 01:07*	WG1507499

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.8		1	07/11/2020 22:43	WG1507277

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		0.0483	0.0662	1	07/12/2020 01:26	WG1507499
Acrylonitrile	U		0.00478	0.0165	1	07/12/2020 01:26	WG1507499
Benzene	U		0.000618	0.00132	1	07/12/2020 01:26	WG1507499
Bromobenzene	U		0.00119	0.0165	1	07/12/2020 01:26	WG1507499
Bromodichloromethane	U		0.000960	0.00331	1	07/12/2020 01:26	WG1507499
Bromochloromethane	U		0.000746	0.00662	1	07/12/2020 01:26	WG1507499
Bromoform	U		0.00155	0.0331	1	07/12/2020 01:26	WG1507499
Bromomethane	U		0.00261	0.0165	1	07/12/2020 01:26	WG1507499
n-Butylbenzene	U		0.00695	0.0165	1	07/12/2020 01:26	WG1507499
sec-Butylbenzene	U		0.00381	0.0165	1	07/12/2020 01:26	WG1507499
tert-Butylbenzene	U		0.00258	0.00662	1	07/12/2020 01:26	WG1507499
Carbon disulfide	U		0.000926	0.0165	1	07/12/2020 01:26	WG1507499
Carbon tetrachloride	U		0.00119	0.00662	1	07/12/2020 01:26	WG1507499
Chlorobenzene	U		0.000278	0.00331	1	07/12/2020 01:26	WG1507499
Chlorodibromomethane	U		0.000810	0.00331	1	07/12/2020 01:26	WG1507499
Chloroethane	U		0.00225	0.00662	1	07/12/2020 01:26	WG1507499
Chloroform	U		0.00136	0.00331	1	07/12/2020 01:26	WG1507499
Chloromethane	U		0.00576	0.0165	1	07/12/2020 01:26	WG1507499
2-Chlorotoluene	U		0.00114	0.00331	1	07/12/2020 01:26	WG1507499
4-Chlorotoluene	U		0.000596	0.00662	1	07/12/2020 01:26	WG1507499
1,2-Dibromo-3-Chloropropane	U	J0	0.00516	0.0331	1	07/12/2020 01:26	WG1507499
1,2-Dibromoethane	U		0.000858	0.00331	1	07/12/2020 01:26	WG1507499
Dibromomethane	U		0.000993	0.00662	1	07/12/2020 01:26	WG1507499
1,2-Dichlorobenzene	U		0.000563	0.00662	1	07/12/2020 01:26	WG1507499
1,3-Dichlorobenzene	U		0.000794	0.00662	1	07/12/2020 01:26	WG1507499
1,4-Dichlorobenzene	U		0.000926	0.00662	1	07/12/2020 01:26	WG1507499
Dichlorodifluoromethane	U		0.00213	0.00331	1	07/12/2020 01:26	WG1507499
1,1-Dichloroethane	U		0.000650	0.00331	1	07/12/2020 01:26	WG1507499
1,2-Dichloroethane	U		0.000859	0.00331	1	07/12/2020 01:26	WG1507499
1,1-Dichloroethene	U		0.000802	0.00331	1	07/12/2020 01:26	WG1507499
cis-1,2-Dichloroethene	U		0.000971	0.00331	1	07/12/2020 01:26	WG1507499
trans-1,2-Dichloroethene	U	J4	0.00138	0.00662	1	07/12/2020 01:26	WG1507499
1,2-Dichloropropane	U		0.00188	0.00662	1	07/12/2020 01:26	WG1507499
1,1-Dichloropropene	U		0.00107	0.00331	1	07/12/2020 01:26	WG1507499
1,3-Dichloropropane	U		0.000663	0.00662	1	07/12/2020 01:26	WG1507499
cis-1,3-Dichloropropene	U		0.00100	0.00331	1	07/12/2020 01:26	WG1507499
trans-1,3-Dichloropropene	U		0.00151	0.00662	1	07/12/2020 01:26	WG1507499
trans-1,4-Dichloro-2-butene	U	J0	0.00246	0.00662	1	07/12/2020 01:26	WG1507499
2,2-Dichloropropane	U		0.00183	0.00331	1	07/12/2020 01:26	WG1507499
Di-isopropyl ether	U		0.000543	0.00132	1	07/12/2020 01:26	WG1507499
Ethylbenzene	U		0.000975	0.00331	1	07/12/2020 01:26	WG1507499
Hexachloro-1,3-butadiene	U		0.00794	0.0331	1	07/12/2020 01:26	WG1507499
2-Hexanone	U		0.00445	0.0331	1	07/12/2020 01:26	WG1507499
n-Hexane	U		0.00299	0.00662	1	07/12/2020 01:26	WG1507499
Iodomethane	U		0.00307	0.0165	1	07/12/2020 01:26	WG1507499
Isopropylbenzene	U		0.000563	0.00331	1	07/12/2020 01:26	WG1507499
p-Isopropyltoluene	U		0.00338	0.00662	1	07/12/2020 01:26	WG1507499
2-Butanone (MEK)	U		0.0840	0.132	1	07/12/2020 01:26	WG1507499
Methylene Chloride	U		0.00879	0.0331	1	07/12/2020 01:26	WG1507499
4-Methyl-2-pentanone (MIBK)	U		0.00302	0.0331	1	07/12/2020 01:26	WG1507499

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		0.000463	0.00132	1	07/12/2020 01:26	WG1507499
Naphthalene	U		0.00646	0.0165	1	07/12/2020 01:26	WG1507499
n-Propylbenzene	U		0.00126	0.00662	1	07/12/2020 01:26	WG1507499
Styrene	U		0.000303	0.0165	1	07/12/2020 01:26	WG1507499
1,1,1,2-Tetrachloroethane	U		0.00125	0.00331	1	07/12/2020 01:26	WG1507499
1,1,2,2-Tetrachloroethane	U		0.000920	0.00331	1	07/12/2020 01:26	WG1507499
1,1,2-Trichlorotrifluoroethane	U		0.000998	0.00331	1	07/12/2020 01:26	WG1507499
Tetrachloroethene	U		0.00119	0.00331	1	07/12/2020 01:26	WG1507499
Toluene	U		0.00172	0.00662	1	07/12/2020 01:26	WG1507499
1,2,3-Trichlorobenzene	U		0.00970	0.0165	1	07/12/2020 01:26	WG1507499
1,2,4-Trichlorobenzene	U		0.00582	0.0165	1	07/12/2020 01:26	WG1507499
1,1,1-Trichloroethane	U		0.00122	0.00331	1	07/12/2020 01:26	WG1507499
1,1,2-Trichloroethane	U		0.000790	0.00331	1	07/12/2020 01:26	WG1507499
Trichloroethene	U		0.000773	0.00132	1	07/12/2020 01:26	WG1507499
Trichlorofluoromethane	U		0.00109	0.00331	1	07/12/2020 01:26	WG1507499
1,2,3-Trichloropropane	U		0.00214	0.0165	1	07/12/2020 01:26	WG1507499
1,2,4-Trimethylbenzene	U		0.00209	0.00662	1	07/12/2020 01:26	WG1507499
1,2,3-Trimethylbenzene	U		0.00209	0.00662	1	07/12/2020 01:26	WG1507499
1,3,5-Trimethylbenzene	U		0.00265	0.00662	1	07/12/2020 01:26	WG1507499
Vinyl acetate	U		0.00336	0.0165	1	07/12/2020 01:26	WG1507499
Vinyl chloride	U		0.00154	0.00331	1	07/12/2020 01:26	WG1507499
Xylenes, Total	U		0.00116	0.00860	1	07/12/2020 01:26	WG1507499
(S) Toluene-d8	*105*			*75.0-131*		*07/12/2020 01:26*	WG1507499
(S) 4-Bromofluorobenzene	*90.8*			*67.0-138*		*07/12/2020 01:26*	WG1507499
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*07/12/2020 01:26*	WG1507499

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	07/11/2020 22:43	WG1507277

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	0.0547	1	07/12/2020 01:45	WG1507499
Acrylonitrile	U		0.00395	0.0137	1	07/12/2020 01:45	WG1507499
Benzene	0.0781		0.000511	0.00109	1	07/12/2020 01:45	WG1507499
Bromobenzene	U		0.000984	0.0137	1	07/12/2020 01:45	WG1507499
Bromodichloromethane	U		0.000793	0.00273	1	07/12/2020 01:45	WG1507499
Bromochloromethane	U		0.000617	0.00547	1	07/12/2020 01:45	WG1507499
Bromoform	U		0.00128	0.0273	1	07/12/2020 01:45	WG1507499
Bromomethane	U		0.00215	0.0137	1	07/12/2020 01:45	WG1507499
n-Butylbenzene	U		0.00574	0.0137	1	07/12/2020 01:45	WG1507499
sec-Butylbenzene	U		0.00315	0.0137	1	07/12/2020 01:45	WG1507499
tert-Butylbenzene	U		0.00213	0.00547	1	07/12/2020 01:45	WG1507499
Carbon disulfide	U		0.000765	0.0137	1	07/12/2020 01:45	WG1507499
Carbon tetrachloride	U		0.000982	0.00547	1	07/12/2020 01:45	WG1507499
Chlorobenzene	U		0.000230	0.00273	1	07/12/2020 01:45	WG1507499
Chlorodibromomethane	U		0.000669	0.00273	1	07/12/2020 01:45	WG1507499
Chloroethane	U		0.00186	0.00547	1	07/12/2020 01:45	WG1507499
Chloroform	U		0.00113	0.00273	1	07/12/2020 01:45	WG1507499
Chloromethane	U		0.00476	0.0137	1	07/12/2020 01:45	WG1507499
2-Chlorotoluene	U		0.000946	0.00273	1	07/12/2020 01:45	WG1507499
4-Chlorotoluene	U		0.000492	0.00547	1	07/12/2020 01:45	WG1507499
1,2-Dibromo-3-Chloropropane	U	J0	0.00426	0.0273	1	07/12/2020 01:45	WG1507499
1,2-Dibromoethane	U		0.000708	0.00273	1	07/12/2020 01:45	WG1507499
Dibromomethane	U		0.000820	0.00547	1	07/12/2020 01:45	WG1507499
1,2-Dichlorobenzene	U		0.000465	0.00547	1	07/12/2020 01:45	WG1507499
1,3-Dichlorobenzene	U		0.000656	0.00547	1	07/12/2020 01:45	WG1507499
1,4-Dichlorobenzene	U		0.000765	0.00547	1	07/12/2020 01:45	WG1507499
Dichlorodifluoromethane	U		0.00176	0.00273	1	07/12/2020 01:45	WG1507499
1,1-Dichloroethane	U		0.000537	0.00273	1	07/12/2020 01:45	WG1507499
1,2-Dichloroethane	U		0.000710	0.00273	1	07/12/2020 01:45	WG1507499
1,1-Dichloroethene	U		0.000663	0.00273	1	07/12/2020 01:45	WG1507499
cis-1,2-Dichloroethene	U		0.000802	0.00273	1	07/12/2020 01:45	WG1507499
trans-1,2-Dichloroethene	U	J4	0.00114	0.00547	1	07/12/2020 01:45	WG1507499
1,2-Dichloropropane	U		0.00155	0.00547	1	07/12/2020 01:45	WG1507499
1,1-Dichloropropene	U		0.000884	0.00273	1	07/12/2020 01:45	WG1507499
1,3-Dichloropropane	U		0.000548	0.00547	1	07/12/2020 01:45	WG1507499
cis-1,3-Dichloropropene	U		0.000828	0.00273	1	07/12/2020 01:45	WG1507499
trans-1,3-Dichloropropene	U		0.00125	0.00547	1	07/12/2020 01:45	WG1507499
trans-1,4-Dichloro-2-butene	U	J0	0.00203	0.00547	1	07/12/2020 01:45	WG1507499
2,2-Dichloropropane	U		0.00151	0.00273	1	07/12/2020 01:45	WG1507499
Di-isopropyl ether	U		0.000448	0.00109	1	07/12/2020 01:45	WG1507499
Ethylbenzene	0.00223	J	0.000806	0.00273	1	07/12/2020 01:45	WG1507499
Hexachloro-1,3-butadiene	U		0.00656	0.0273	1	07/12/2020 01:45	WG1507499
2-Hexanone	U		0.00367	0.0273	1	07/12/2020 01:45	WG1507499
n-Hexane	0.00980		0.00247	0.00547	1	07/12/2020 01:45	WG1507499
Iodomethane	U		0.00254	0.0137	1	07/12/2020 01:45	WG1507499
Isopropylbenzene	U		0.000465	0.00273	1	07/12/2020 01:45	WG1507499
p-Isopropyltoluene	U		0.00279	0.00547	1	07/12/2020 01:45	WG1507499
2-Butanone (MEK)	U		0.0694	0.109	1	07/12/2020 01:45	WG1507499
Methylene Chloride	U		0.00726	0.0273	1	07/12/2020 01:45	WG1507499
4-Methyl-2-pentanone (MIBK)	U		0.00249	0.0273	1	07/12/2020 01:45	WG1507499

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		0.000383	0.00109	1	07/12/2020 01:45	WG1507499
Naphthalene	U		0.00534	0.0137	1	07/12/2020 01:45	WG1507499
n-Propylbenzene	U		0.00104	0.00547	1	07/12/2020 01:45	WG1507499
Styrene	U		0.000250	0.0137	1	07/12/2020 01:45	WG1507499
1,1,1,2-Tetrachloroethane	U		0.00104	0.00273	1	07/12/2020 01:45	WG1507499
1,1,2,2-Tetrachloroethane	U		0.000760	0.00273	1	07/12/2020 01:45	WG1507499
1,1,2-Trichlorotrifluoroethane	U		0.000824	0.00273	1	07/12/2020 01:45	WG1507499
Tetrachloroethene	U		0.000980	0.00273	1	07/12/2020 01:45	WG1507499
Toluene	0.0160		0.00142	0.00547	1	07/12/2020 01:45	WG1507499
1,2,3-Trichlorobenzene	U		0.00801	0.0137	1	07/12/2020 01:45	WG1507499
1,2,4-Trichlorobenzene	U		0.00481	0.0137	1	07/12/2020 01:45	WG1507499
1,1,1-Trichloroethane	U		0.00101	0.00273	1	07/12/2020 01:45	WG1507499
1,1,2-Trichloroethane	U		0.000653	0.00273	1	07/12/2020 01:45	WG1507499
Trichloroethene	U		0.000638	0.00109	1	07/12/2020 01:45	WG1507499
Trichlorofluoromethane	U		0.000904	0.00273	1	07/12/2020 01:45	WG1507499
1,2,3-Trichloropropane	U		0.00177	0.0137	1	07/12/2020 01:45	WG1507499
1,2,4-Trimethylbenzene	U		0.00173	0.00547	1	07/12/2020 01:45	WG1507499
1,2,3-Trimethylbenzene	U		0.00173	0.00547	1	07/12/2020 01:45	WG1507499
1,3,5-Trimethylbenzene	U		0.00219	0.00547	1	07/12/2020 01:45	WG1507499
Vinyl acetate	U		0.00278	0.0137	1	07/12/2020 01:45	WG1507499
Vinyl chloride	U		0.00127	0.00273	1	07/12/2020 01:45	WG1507499
Xylenes, Total	0.00542	J	0.000962	0.00711	1	07/12/2020 01:45	WG1507499
(S) Toluene-d8	*106*			*75.0-131*		*07/12/2020 01:45*	WG1507499
(S) 4-Bromofluorobenzene	*90.4*			*67.0-138*		*07/12/2020 01:45*	WG1507499
(S) 1,2-Dichloroethane-d4	*98.2*			*70.0-130*		*07/12/2020 01:45*	WG1507499

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	07/11/2020 22:43	WG1507277

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		0.0468	0.0641	1	07/12/2020 02:04	WG1507499
Acrylonitrile	U		0.00463	0.0160	1	07/12/2020 02:04	WG1507499
Benzene	0.000828	J	0.000599	0.00128	1	07/12/2020 02:04	WG1507499
Bromobenzene	U		0.00115	0.0160	1	07/12/2020 02:04	WG1507499
Bromodichloromethane	U		0.000930	0.00321	1	07/12/2020 02:04	WG1507499
Bromochloromethane	U		0.000723	0.00641	1	07/12/2020 02:04	WG1507499
Bromoform	U		0.00150	0.0321	1	07/12/2020 02:04	WG1507499
Bromomethane	U		0.00253	0.0160	1	07/12/2020 02:04	WG1507499
n-Butylbenzene	U		0.00673	0.0160	1	07/12/2020 02:04	WG1507499
sec-Butylbenzene	U		0.00369	0.0160	1	07/12/2020 02:04	WG1507499
tert-Butylbenzene	U		0.00250	0.00641	1	07/12/2020 02:04	WG1507499
Carbon disulfide	U		0.000898	0.0160	1	07/12/2020 02:04	WG1507499
Carbon tetrachloride	U		0.00115	0.00641	1	07/12/2020 02:04	WG1507499
Chlorobenzene	U		0.000269	0.00321	1	07/12/2020 02:04	WG1507499
Chlorodibromomethane	U		0.000785	0.00321	1	07/12/2020 02:04	WG1507499
Chloroethane	U		0.00218	0.00641	1	07/12/2020 02:04	WG1507499
Chloroform	U		0.00132	0.00321	1	07/12/2020 02:04	WG1507499
Chloromethane	U		0.00558	0.0160	1	07/12/2020 02:04	WG1507499
2-Chlorotoluene	U		0.00111	0.00321	1	07/12/2020 02:04	WG1507499
4-Chlorotoluene	U		0.000577	0.00641	1	07/12/2020 02:04	WG1507499
1,2-Dibromo-3-Chloropropane	U	J0	0.00500	0.0321	1	07/12/2020 02:04	WG1507499
1,2-Dibromoethane	U		0.000831	0.00321	1	07/12/2020 02:04	WG1507499
Dibromomethane	U		0.000962	0.00641	1	07/12/2020 02:04	WG1507499
1,2-Dichlorobenzene	U		0.000545	0.00641	1	07/12/2020 02:04	WG1507499
1,3-Dichlorobenzene	U		0.000769	0.00641	1	07/12/2020 02:04	WG1507499
1,4-Dichlorobenzene	U		0.000898	0.00641	1	07/12/2020 02:04	WG1507499
Dichlorodifluoromethane	U		0.00206	0.00321	1	07/12/2020 02:04	WG1507499
1,1-Dichloroethane	U		0.000630	0.00321	1	07/12/2020 02:04	WG1507499
1,2-Dichloroethane	U		0.000832	0.00321	1	07/12/2020 02:04	WG1507499
1,1-Dichloroethene	U		0.000777	0.00321	1	07/12/2020 02:04	WG1507499
cis-1,2-Dichloroethene	U		0.000941	0.00321	1	07/12/2020 02:04	WG1507499
trans-1,2-Dichloroethene	U	J4	0.00133	0.00641	1	07/12/2020 02:04	WG1507499
1,2-Dichloropropane	U		0.00182	0.00641	1	07/12/2020 02:04	WG1507499
1,1-Dichloropropene	U		0.00104	0.00321	1	07/12/2020 02:04	WG1507499
1,3-Dichloropropane	U		0.000643	0.00641	1	07/12/2020 02:04	WG1507499
cis-1,3-Dichloropropene	U		0.000971	0.00321	1	07/12/2020 02:04	WG1507499
trans-1,3-Dichloropropene	U		0.00146	0.00641	1	07/12/2020 02:04	WG1507499
trans-1,4-Dichloro-2-butene	U	J0	0.00239	0.00641	1	07/12/2020 02:04	WG1507499
2,2-Dichloropropane	U		0.00177	0.00321	1	07/12/2020 02:04	WG1507499
Di-isopropyl ether	U		0.000526	0.00128	1	07/12/2020 02:04	WG1507499
Ethylbenzene	U		0.000945	0.00321	1	07/12/2020 02:04	WG1507499
Hexachloro-1,3-butadiene	U		0.00769	0.0321	1	07/12/2020 02:04	WG1507499
2-Hexanone	U		0.00431	0.0321	1	07/12/2020 02:04	WG1507499
n-Hexane	U		0.00290	0.00641	1	07/12/2020 02:04	WG1507499
Iodomethane	U		0.00298	0.0160	1	07/12/2020 02:04	WG1507499
Isopropylbenzene	U		0.000545	0.00321	1	07/12/2020 02:04	WG1507499
p-Isopropyltoluene	U		0.00327	0.00641	1	07/12/2020 02:04	WG1507499
2-Butanone (MEK)	U		0.0814	0.128	1	07/12/2020 02:04	WG1507499
Methylene Chloride	U		0.00852	0.0321	1	07/12/2020 02:04	WG1507499
4-Methyl-2-pentanone (MIBK)	U		0.00292	0.0321	1	07/12/2020 02:04	WG1507499

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		0.000449	0.00128	1	07/12/2020 02:04	WG1507499
Naphthalene	U		0.00626	0.0160	1	07/12/2020 02:04	WG1507499
n-Propylbenzene	U		0.00122	0.00641	1	07/12/2020 02:04	WG1507499
Styrene	U		0.000294	0.0160	1	07/12/2020 02:04	WG1507499
1,1,1,2-Tetrachloroethane	U		0.00122	0.00321	1	07/12/2020 02:04	WG1507499
1,1,2,2-Tetrachloroethane	U		0.000891	0.00321	1	07/12/2020 02:04	WG1507499
1,1,2-Trichlorotrifluoroethane	U		0.000967	0.00321	1	07/12/2020 02:04	WG1507499
Tetrachloroethene	U		0.00115	0.00321	1	07/12/2020 02:04	WG1507499
Toluene	U		0.00167	0.00641	1	07/12/2020 02:04	WG1507499
1,2,3-Trichlorobenzene	U		0.00940	0.0160	1	07/12/2020 02:04	WG1507499
1,2,4-Trichlorobenzene	U		0.00564	0.0160	1	07/12/2020 02:04	WG1507499
1,1,1-Trichloroethane	U		0.00118	0.00321	1	07/12/2020 02:04	WG1507499
1,1,2-Trichloroethane	U		0.000766	0.00321	1	07/12/2020 02:04	WG1507499
Trichloroethene	U		0.000749	0.00128	1	07/12/2020 02:04	WG1507499
Trichlorofluoromethane	U		0.00106	0.00321	1	07/12/2020 02:04	WG1507499
1,2,3-Trichloropropane	U		0.00208	0.0160	1	07/12/2020 02:04	WG1507499
1,2,4-Trimethylbenzene	U		0.00203	0.00641	1	07/12/2020 02:04	WG1507499
1,2,3-Trimethylbenzene	U		0.00203	0.00641	1	07/12/2020 02:04	WG1507499
1,3,5-Trimethylbenzene	U		0.00256	0.00641	1	07/12/2020 02:04	WG1507499
Vinyl acetate	U		0.00326	0.0160	1	07/12/2020 02:04	WG1507499
Vinyl chloride	U		0.00149	0.00321	1	07/12/2020 02:04	WG1507499
Xylenes, Total	U		0.00113	0.00834	1	07/12/2020 02:04	WG1507499
(S) Toluene-d8	*102*			*75.0-131*		*07/12/2020 02:04*	WG1507499
(S) 4-Bromofluorobenzene	*90.7*			*67.0-138*		*07/12/2020 02:04*	WG1507499
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*07/12/2020 02:04*	WG1507499

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	07/11/2020 22:43	WG1507277

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		0.0488	0.0668	1	07/12/2020 02:23	WG1507499
Acrylonitrile	U		0.00483	0.0167	1	07/12/2020 02:23	WG1507499
Benzene	U		0.000624	0.00134	1	07/12/2020 02:23	WG1507499
Bromobenzene	U		0.00120	0.0167	1	07/12/2020 02:23	WG1507499
Bromodichloromethane	U		0.000969	0.00334	1	07/12/2020 02:23	WG1507499
Bromochloromethane	U		0.000754	0.00668	1	07/12/2020 02:23	WG1507499
Bromoform	U		0.00156	0.0334	1	07/12/2020 02:23	WG1507499
Bromomethane	U		0.00263	0.0167	1	07/12/2020 02:23	WG1507499
n-Butylbenzene	U		0.00702	0.0167	1	07/12/2020 02:23	WG1507499
sec-Butylbenzene	U		0.00385	0.0167	1	07/12/2020 02:23	WG1507499
tert-Butylbenzene	U		0.00261	0.00668	1	07/12/2020 02:23	WG1507499
Carbon disulfide	U		0.000936	0.0167	1	07/12/2020 02:23	WG1507499
Carbon tetrachloride	U		0.00120	0.00668	1	07/12/2020 02:23	WG1507499
Chlorobenzene	U		0.000281	0.00334	1	07/12/2020 02:23	WG1507499
Chlorodibromomethane	U		0.000818	0.00334	1	07/12/2020 02:23	WG1507499
Chloroethane	U		0.00227	0.00668	1	07/12/2020 02:23	WG1507499
Chloroform	U		0.00138	0.00334	1	07/12/2020 02:23	WG1507499
Chloromethane	U		0.00582	0.0167	1	07/12/2020 02:23	WG1507499
2-Chlorotoluene	U		0.00116	0.00334	1	07/12/2020 02:23	WG1507499
4-Chlorotoluene	U		0.000602	0.00668	1	07/12/2020 02:23	WG1507499
1,2-Dibromo-3-Chloropropane	U	J0	0.00521	0.0334	1	07/12/2020 02:23	WG1507499
1,2-Dibromoethane	U		0.000866	0.00334	1	07/12/2020 02:23	WG1507499
Dibromomethane	U		0.00100	0.00668	1	07/12/2020 02:23	WG1507499
1,2-Dichlorobenzene	U		0.000568	0.00668	1	07/12/2020 02:23	WG1507499
1,3-Dichlorobenzene	U		0.000802	0.00668	1	07/12/2020 02:23	WG1507499
1,4-Dichlorobenzene	U		0.000936	0.00668	1	07/12/2020 02:23	WG1507499
Dichlorodifluoromethane	U		0.00215	0.00334	1	07/12/2020 02:23	WG1507499
1,1-Dichloroethane	U		0.000656	0.00334	1	07/12/2020 02:23	WG1507499
1,2-Dichloroethane	U		0.000868	0.00334	1	07/12/2020 02:23	WG1507499
1,1-Dichloroethene	U		0.000810	0.00334	1	07/12/2020 02:23	WG1507499
cis-1,2-Dichloroethene	U		0.000981	0.00334	1	07/12/2020 02:23	WG1507499
trans-1,2-Dichloroethene	U	J4	0.00139	0.00668	1	07/12/2020 02:23	WG1507499
1,2-Dichloropropane	U		0.00190	0.00668	1	07/12/2020 02:23	WG1507499
1,1-Dichloropropene	U		0.00108	0.00334	1	07/12/2020 02:23	WG1507499
1,3-Dichloropropane	U		0.000670	0.00668	1	07/12/2020 02:23	WG1507499
cis-1,3-Dichloropropene	U		0.00101	0.00334	1	07/12/2020 02:23	WG1507499
trans-1,3-Dichloropropene	U		0.00152	0.00668	1	07/12/2020 02:23	WG1507499
trans-1,4-Dichloro-2-butene	U	J0	0.00249	0.00668	1	07/12/2020 02:23	WG1507499
2,2-Dichloropropane	U		0.00184	0.00334	1	07/12/2020 02:23	WG1507499
Di-isopropyl ether	U		0.000548	0.00134	1	07/12/2020 02:23	WG1507499
Ethylbenzene	U		0.000985	0.00334	1	07/12/2020 02:23	WG1507499
Hexachloro-1,3-butadiene	U		0.00802	0.0334	1	07/12/2020 02:23	WG1507499
2-Hexanone	U		0.00449	0.0334	1	07/12/2020 02:23	WG1507499
n-Hexane	U		0.00302	0.00668	1	07/12/2020 02:23	WG1507499
Iodomethane	U		0.00310	0.0167	1	07/12/2020 02:23	WG1507499
Isopropylbenzene	U		0.000568	0.00334	1	07/12/2020 02:23	WG1507499
p-Isopropyltoluene	U		0.00341	0.00668	1	07/12/2020 02:23	WG1507499
2-Butanone (MEK)	U		0.0849	0.134	1	07/12/2020 02:23	WG1507499
Methylene Chloride	U		0.00888	0.0334	1	07/12/2020 02:23	WG1507499
4-Methyl-2-pentanone (MIBK)	U		0.00305	0.0334	1	07/12/2020 02:23	WG1507499

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		0.000468	0.00134	1	07/12/2020 02:23	WG1507499
Naphthalene	U		0.00652	0.0167	1	07/12/2020 02:23	WG1507499
n-Propylbenzene	U		0.00127	0.00668	1	07/12/2020 02:23	WG1507499
Styrene	U		0.000306	0.0167	1	07/12/2020 02:23	WG1507499
1,1,1,2-Tetrachloroethane	U		0.00127	0.00334	1	07/12/2020 02:23	WG1507499
1,1,2,2-Tetrachloroethane	U		0.000929	0.00334	1	07/12/2020 02:23	WG1507499
1,1,2-Trichlorotrifluoroethane	U		0.00101	0.00334	1	07/12/2020 02:23	WG1507499
Tetrachloroethene	U		0.00120	0.00334	1	07/12/2020 02:23	WG1507499
Toluene	U		0.00174	0.00668	1	07/12/2020 02:23	WG1507499
1,2,3-Trichlorobenzene	U		0.00980	0.0167	1	07/12/2020 02:23	WG1507499
1,2,4-Trichlorobenzene	U		0.00588	0.0167	1	07/12/2020 02:23	WG1507499
1,1,1-Trichloroethane	U		0.00123	0.00334	1	07/12/2020 02:23	WG1507499
1,1,2-Trichloroethane	U		0.000798	0.00334	1	07/12/2020 02:23	WG1507499
Trichloroethene	U		0.000781	0.00134	1	07/12/2020 02:23	WG1507499
Trichlorofluoromethane	U		0.00111	0.00334	1	07/12/2020 02:23	WG1507499
1,2,3-Trichloropropane	U		0.00217	0.0167	1	07/12/2020 02:23	WG1507499
1,2,4-Trimethylbenzene	U		0.00211	0.00668	1	07/12/2020 02:23	WG1507499
1,2,3-Trimethylbenzene	U		0.00211	0.00668	1	07/12/2020 02:23	WG1507499
1,3,5-Trimethylbenzene	U		0.00267	0.00668	1	07/12/2020 02:23	WG1507499
Vinyl acetate	U		0.00340	0.0167	1	07/12/2020 02:23	WG1507499
Vinyl chloride	U		0.00155	0.00334	1	07/12/2020 02:23	WG1507499
Xylenes, Total	U		0.00118	0.00869	1	07/12/2020 02:23	WG1507499
(S) Toluene-d8	*103*			*75.0-131*		*07/12/2020 02:23*	WG1507499
(S) 4-Bromofluorobenzene	*91.5*			*67.0-138*		*07/12/2020 02:23*	WG1507499
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*07/12/2020 02:23*	WG1507499

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	07/11/2020 22:30	WG1507398

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		0.0474	0.0649	1	07/12/2020 02:42	WG1507499
Acrylonitrile	U		0.00468	0.0162	1	07/12/2020 02:42	WG1507499
Benzene	U		0.000606	0.00130	1	07/12/2020 02:42	WG1507499
Bromobenzene	U		0.00117	0.0162	1	07/12/2020 02:42	WG1507499
Bromodichloromethane	U		0.000941	0.00324	1	07/12/2020 02:42	WG1507499
Bromochloromethane	U		0.000732	0.00649	1	07/12/2020 02:42	WG1507499
Bromoform	U		0.00152	0.0324	1	07/12/2020 02:42	WG1507499
Bromomethane	U		0.00256	0.0162	1	07/12/2020 02:42	WG1507499
n-Butylbenzene	U		0.00681	0.0162	1	07/12/2020 02:42	WG1507499
sec-Butylbenzene	U		0.00374	0.0162	1	07/12/2020 02:42	WG1507499
tert-Butylbenzene	U		0.00253	0.00649	1	07/12/2020 02:42	WG1507499
Carbon disulfide	U		0.000908	0.0162	1	07/12/2020 02:42	WG1507499
Carbon tetrachloride	U		0.00117	0.00649	1	07/12/2020 02:42	WG1507499
Chlorobenzene	U		0.000273	0.00324	1	07/12/2020 02:42	WG1507499
Chlorodibromomethane	U		0.000794	0.00324	1	07/12/2020 02:42	WG1507499
Chloroethane	U		0.00221	0.00649	1	07/12/2020 02:42	WG1507499
Chloroform	U		0.00134	0.00324	1	07/12/2020 02:42	WG1507499
Chloromethane	U		0.00565	0.0162	1	07/12/2020 02:42	WG1507499
2-Chlorotoluene	U		0.00112	0.00324	1	07/12/2020 02:42	WG1507499
4-Chlorotoluene	U		0.000584	0.00649	1	07/12/2020 02:42	WG1507499
1,2-Dibromo-3-Chloropropane	U	J0	0.00506	0.0324	1	07/12/2020 02:42	WG1507499
1,2-Dibromoethane	U		0.000841	0.00324	1	07/12/2020 02:42	WG1507499
Dibromomethane	U		0.000973	0.00649	1	07/12/2020 02:42	WG1507499
1,2-Dichlorobenzene	U		0.000552	0.00649	1	07/12/2020 02:42	WG1507499
1,3-Dichlorobenzene	U		0.000779	0.00649	1	07/12/2020 02:42	WG1507499
1,4-Dichlorobenzene	U		0.000908	0.00649	1	07/12/2020 02:42	WG1507499
Dichlorodifluoromethane	U		0.00209	0.00324	1	07/12/2020 02:42	WG1507499
1,1-Dichloroethane	U		0.000637	0.00324	1	07/12/2020 02:42	WG1507499
1,2-Dichloroethane	U		0.000842	0.00324	1	07/12/2020 02:42	WG1507499
1,1-Dichloroethene	U		0.000786	0.00324	1	07/12/2020 02:42	WG1507499
cis-1,2-Dichloroethene	U		0.000953	0.00324	1	07/12/2020 02:42	WG1507499
trans-1,2-Dichloroethene	U	J4	0.00135	0.00649	1	07/12/2020 02:42	WG1507499
1,2-Dichloropropane	U		0.00184	0.00649	1	07/12/2020 02:42	WG1507499
1,1-Dichloropropene	U		0.00105	0.00324	1	07/12/2020 02:42	WG1507499
1,3-Dichloropropane	U		0.000650	0.00649	1	07/12/2020 02:42	WG1507499
cis-1,3-Dichloropropene	U		0.000982	0.00324	1	07/12/2020 02:42	WG1507499
trans-1,3-Dichloropropene	U		0.00148	0.00649	1	07/12/2020 02:42	WG1507499
trans-1,4-Dichloro-2-butene	U	J0	0.00241	0.00649	1	07/12/2020 02:42	WG1507499
2,2-Dichloropropane	U		0.00179	0.00324	1	07/12/2020 02:42	WG1507499
Di-isopropyl ether	U		0.000532	0.00130	1	07/12/2020 02:42	WG1507499
Ethylbenzene	U		0.000956	0.00324	1	07/12/2020 02:42	WG1507499
Hexachloro-1,3-butadiene	U		0.00779	0.0324	1	07/12/2020 02:42	WG1507499
2-Hexanone	U		0.00436	0.0324	1	07/12/2020 02:42	WG1507499
n-Hexane	U		0.00293	0.00649	1	07/12/2020 02:42	WG1507499
Iodomethane	U		0.00301	0.0162	1	07/12/2020 02:42	WG1507499
Isopropylbenzene	U		0.000552	0.00324	1	07/12/2020 02:42	WG1507499
p-Isopropyltoluene	U		0.00331	0.00649	1	07/12/2020 02:42	WG1507499
2-Butanone (MEK)	U		0.0824	0.130	1	07/12/2020 02:42	WG1507499
Methylene Chloride	U		0.00862	0.0324	1	07/12/2020 02:42	WG1507499
4-Methyl-2-pentanone (MIBK)	U		0.00296	0.0324	1	07/12/2020 02:42	WG1507499

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		0.000454	0.00130	1	07/12/2020 02:42	WG1507499
Naphthalene	U		0.00633	0.0162	1	07/12/2020 02:42	WG1507499
n-Propylbenzene	U		0.00123	0.00649	1	07/12/2020 02:42	WG1507499
Styrene	U		0.000297	0.0162	1	07/12/2020 02:42	WG1507499
1,1,1,2-Tetrachloroethane	U		0.00123	0.00324	1	07/12/2020 02:42	WG1507499
1,1,2,2-Tetrachloroethane	U		0.000902	0.00324	1	07/12/2020 02:42	WG1507499
1,1,2-Trichlorotrifluoroethane	U		0.000979	0.00324	1	07/12/2020 02:42	WG1507499
Tetrachloroethene	U		0.00116	0.00324	1	07/12/2020 02:42	WG1507499
Toluene	U		0.00169	0.00649	1	07/12/2020 02:42	WG1507499
1,2,3-Trichlorobenzene	U		0.00951	0.0162	1	07/12/2020 02:42	WG1507499
1,2,4-Trichlorobenzene	U		0.00571	0.0162	1	07/12/2020 02:42	WG1507499
1,1,1-Trichloroethane	U		0.00120	0.00324	1	07/12/2020 02:42	WG1507499
1,1,2-Trichloroethane	U		0.000775	0.00324	1	07/12/2020 02:42	WG1507499
Trichloroethene	U		0.000758	0.00130	1	07/12/2020 02:42	WG1507499
Trichlorofluoromethane	U		0.00107	0.00324	1	07/12/2020 02:42	WG1507499
1,2,3-Trichloropropane	U		0.00210	0.0162	1	07/12/2020 02:42	WG1507499
1,2,4-Trimethylbenzene	U		0.00205	0.00649	1	07/12/2020 02:42	WG1507499
1,2,3-Trimethylbenzene	U		0.00205	0.00649	1	07/12/2020 02:42	WG1507499
1,3,5-Trimethylbenzene	U		0.00260	0.00649	1	07/12/2020 02:42	WG1507499
Vinyl acetate	U		0.00330	0.0162	1	07/12/2020 02:42	WG1507499
Vinyl chloride	U		0.00151	0.00324	1	07/12/2020 02:42	WG1507499
Xylenes, Total	U		0.00114	0.00844	1	07/12/2020 02:42	WG1507499
(S) Toluene-d8	*104*			*75.0-131*		*07/12/2020 02:42*	WG1507499
(S) 4-Bromofluorobenzene	*91.0*			*67.0-138*		*07/12/2020 02:42*	WG1507499
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*07/12/2020 02:42*	WG1507499

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	61.0		1	07/11/2020 22:30	WG1507398

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		0.0867	0.119	1.06	07/12/2020 03:01	WG1507499
Acrylonitrile	U		0.00858	0.0298	1.06	07/12/2020 03:01	WG1507499
Benzene	0.0271		0.00111	0.00238	1.06	07/12/2020 03:01	WG1507499
Bromobenzene	U		0.00214	0.0298	1.06	07/12/2020 03:01	WG1507499
Bromodichloromethane	U		0.00172	0.00594	1.06	07/12/2020 03:01	WG1507499
Bromochloromethane	U		0.00134	0.0119	1.06	07/12/2020 03:01	WG1507499
Bromoform	U		0.00278	0.0594	1.06	07/12/2020 03:01	WG1507499
Bromomethane	U		0.00468	0.0298	1.06	07/12/2020 03:01	WG1507499
n-Butylbenzene	U		0.0125	0.0298	1.06	07/12/2020 03:01	WG1507499
sec-Butylbenzene	U		0.00683	0.0298	1.06	07/12/2020 03:01	WG1507499
tert-Butylbenzene	U		0.00464	0.0119	1.06	07/12/2020 03:01	WG1507499
Carbon disulfide	U		0.00166	0.0298	1.06	07/12/2020 03:01	WG1507499
Carbon tetrachloride	U		0.00213	0.0119	1.06	07/12/2020 03:01	WG1507499
Chlorobenzene	U		0.000500	0.00594	1.06	07/12/2020 03:01	WG1507499
Chlorodibromomethane	U		0.00145	0.00594	1.06	07/12/2020 03:01	WG1507499
Chloroethane	U		0.00403	0.0119	1.06	07/12/2020 03:01	WG1507499
Chloroform	U		0.00244	0.00594	1.06	07/12/2020 03:01	WG1507499
Chloromethane	U		0.0103	0.0298	1.06	07/12/2020 03:01	WG1507499
2-Chlorotoluene	U		0.00205	0.00594	1.06	07/12/2020 03:01	WG1507499
4-Chlorotoluene	U		0.00107	0.0119	1.06	07/12/2020 03:01	WG1507499
1,2-Dibromo-3-Chloropropane	U	J0	0.00925	0.0594	1.06	07/12/2020 03:01	WG1507499
1,2-Dibromoethane	U		0.00154	0.00594	1.06	07/12/2020 03:01	WG1507499
Dibromomethane	U		0.00178	0.0119	1.06	07/12/2020 03:01	WG1507499
1,2-Dichlorobenzene	U		0.00101	0.0119	1.06	07/12/2020 03:01	WG1507499
1,3-Dichlorobenzene	U		0.00143	0.0119	1.06	07/12/2020 03:01	WG1507499
1,4-Dichlorobenzene	U		0.00166	0.0119	1.06	07/12/2020 03:01	WG1507499
Dichlorodifluoromethane	U		0.00383	0.00594	1.06	07/12/2020 03:01	WG1507499
1,1-Dichloroethane	U		0.00117	0.00594	1.06	07/12/2020 03:01	WG1507499
1,2-Dichloroethane	U		0.00154	0.00594	1.06	07/12/2020 03:01	WG1507499
1,1-Dichloroethene	U		0.00144	0.00594	1.06	07/12/2020 03:01	WG1507499
cis-1,2-Dichloroethene	U		0.00174	0.00594	1.06	07/12/2020 03:01	WG1507499
trans-1,2-Dichloroethene	U	J4	0.00246	0.0119	1.06	07/12/2020 03:01	WG1507499
1,2-Dichloropropane	U		0.00338	0.0119	1.06	07/12/2020 03:01	WG1507499
1,1-Dichloropropene	U		0.00192	0.00594	1.06	07/12/2020 03:01	WG1507499
1,3-Dichloropropane	U		0.00119	0.0119	1.06	07/12/2020 03:01	WG1507499
cis-1,3-Dichloropropene	U		0.00180	0.00594	1.06	07/12/2020 03:01	WG1507499
trans-1,3-Dichloropropene	U		0.00271	0.0119	1.06	07/12/2020 03:01	WG1507499
trans-1,4-Dichloro-2-butene	U	J0	0.00441	0.0119	1.06	07/12/2020 03:01	WG1507499
2,2-Dichloropropane	U		0.00327	0.00594	1.06	07/12/2020 03:01	WG1507499
Di-isopropyl ether	U		0.000975	0.00238	1.06	07/12/2020 03:01	WG1507499
Ethylbenzene	0.00350	J	0.00175	0.00594	1.06	07/12/2020 03:01	WG1507499
Hexachloro-1,3-butadiene	U		0.0143	0.0594	1.06	07/12/2020 03:01	WG1507499
2-Hexanone	U		0.00798	0.0594	1.06	07/12/2020 03:01	WG1507499
n-Hexane	0.0235		0.00538	0.0119	1.06	07/12/2020 03:01	WG1507499
Iodomethane	U		0.00551	0.0298	1.06	07/12/2020 03:01	WG1507499
Isopropylbenzene	0.00500	J	0.00101	0.00594	1.06	07/12/2020 03:01	WG1507499
p-Isopropyltoluene	1.34		0.00605	0.0119	1.06	07/12/2020 03:01	WG1507499
2-Butanone (MEK)	U		0.151	0.238	1.06	07/12/2020 03:01	WG1507499
Methylene Chloride	U		0.0158	0.0594	1.06	07/12/2020 03:01	WG1507499
4-Methyl-2-pentanone (MIBK)	U		0.00542	0.0594	1.06	07/12/2020 03:01	WG1507499

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		0.000831	0.00238	1.06	07/12/2020 03:01	WG1507499
Naphthalene	0.0120	J	0.0116	0.0298	1.06	07/12/2020 03:01	WG1507499
n-Propylbenzene	0.00350	J	0.00226	0.0119	1.06	07/12/2020 03:01	WG1507499
Styrene	U		0.000545	0.0298	1.06	07/12/2020 03:01	WG1507499
1,1,1,2-Tetrachloroethane	U		0.00224	0.00594	1.06	07/12/2020 03:01	WG1507499
1,1,2,2-Tetrachloroethane	U		0.00165	0.00594	1.06	07/12/2020 03:01	WG1507499
1,1,2-Trichlorotrifluoroethane	U		0.00179	0.00594	1.06	07/12/2020 03:01	WG1507499
Tetrachloroethene	0.0175		0.00213	0.00594	1.06	07/12/2020 03:01	WG1507499
Toluene	0.0381		0.00309	0.0119	1.06	07/12/2020 03:01	WG1507499
1,2,3-Trichlorobenzene	U		0.0174	0.0298	1.06	07/12/2020 03:01	WG1507499
1,2,4-Trichlorobenzene	U		0.0104	0.0298	1.06	07/12/2020 03:01	WG1507499
1,1,1-Trichloroethane	U		0.00219	0.00594	1.06	07/12/2020 03:01	WG1507499
1,1,2-Trichloroethane	U		0.00142	0.00594	1.06	07/12/2020 03:01	WG1507499
Trichloroethene	U		0.00139	0.00238	1.06	07/12/2020 03:01	WG1507499
Trichlorofluoromethane	U		0.00197	0.00594	1.06	07/12/2020 03:01	WG1507499
1,2,3-Trichloropropane	U		0.00385	0.0298	1.06	07/12/2020 03:01	WG1507499
1,2,4-Trimethylbenzene	0.0166		0.00374	0.0119	1.06	07/12/2020 03:01	WG1507499
1,2,3-Trimethylbenzene	0.0137		0.00374	0.0119	1.06	07/12/2020 03:01	WG1507499
1,3,5-Trimethylbenzene	0.0160		0.00475	0.0119	1.06	07/12/2020 03:01	WG1507499
Vinyl acetate	U		0.00603	0.0298	1.06	07/12/2020 03:01	WG1507499
Vinyl chloride	U		0.00276	0.00594	1.06	07/12/2020 03:01	WG1507499
Xylenes, Total	0.0441		0.00209	0.0154	1.06	07/12/2020 03:01	WG1507499
(S) Toluene-d8	*105*			*75.0-131*		*07/12/2020 03:01*	WG1507499
(S) 4-Bromofluorobenzene	*90.6*			*67.0-138*		*07/12/2020 03:01*	WG1507499
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*07/12/2020 03:01*	WG1507499

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	58.6		1	07/11/2020 22:30	WG1507398

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		0.0969	0.133	1.14	07/12/2020 03:19	WG1507499
Acrylonitrile	U		0.00959	0.0333	1.14	07/12/2020 03:19	WG1507499
Benzene	0.0310		0.00124	0.00265	1.14	07/12/2020 03:19	WG1507499
Bromobenzene	U		0.00240	0.0333	1.14	07/12/2020 03:19	WG1507499
Bromodichloromethane	U		0.00193	0.00664	1.14	07/12/2020 03:19	WG1507499
Bromochloromethane	U		0.00150	0.0133	1.14	07/12/2020 03:19	WG1507499
Bromoform	U		0.00310	0.0664	1.14	07/12/2020 03:19	WG1507499
Bromomethane	U		0.00524	0.0333	1.14	07/12/2020 03:19	WG1507499
n-Butylbenzene	U		0.0139	0.0333	1.14	07/12/2020 03:19	WG1507499
sec-Butylbenzene	0.00850	J	0.00764	0.0333	1.14	07/12/2020 03:19	WG1507499
tert-Butylbenzene	U		0.00517	0.0133	1.14	07/12/2020 03:19	WG1507499
Carbon disulfide	U		0.00186	0.0333	1.14	07/12/2020 03:19	WG1507499
Carbon tetrachloride	U		0.00237	0.0133	1.14	07/12/2020 03:19	WG1507499
Chlorobenzene	U		0.000556	0.00664	1.14	07/12/2020 03:19	WG1507499
Chlorodibromomethane	U		0.00163	0.00664	1.14	07/12/2020 03:19	WG1507499
Chloroethane	U		0.00452	0.0133	1.14	07/12/2020 03:19	WG1507499
Chloroform	U		0.00272	0.00664	1.14	07/12/2020 03:19	WG1507499
Chloromethane	U		0.0115	0.0333	1.14	07/12/2020 03:19	WG1507499
2-Chlorotoluene	U		0.00230	0.00664	1.14	07/12/2020 03:19	WG1507499
4-Chlorotoluene	U		0.00119	0.0133	1.14	07/12/2020 03:19	WG1507499
1,2-Dibromo-3-Chloropropane	U	J0	0.0104	0.0664	1.14	07/12/2020 03:19	WG1507499
1,2-Dibromoethane	U		0.00172	0.00664	1.14	07/12/2020 03:19	WG1507499
Dibromomethane	U		0.00199	0.0133	1.14	07/12/2020 03:19	WG1507499
1,2-Dichlorobenzene	U		0.00113	0.0133	1.14	07/12/2020 03:19	WG1507499
1,3-Dichlorobenzene	U		0.00159	0.0133	1.14	07/12/2020 03:19	WG1507499
1,4-Dichlorobenzene	U		0.00186	0.0133	1.14	07/12/2020 03:19	WG1507499
Dichlorodifluoromethane	U		0.00428	0.00664	1.14	07/12/2020 03:19	WG1507499
1,1-Dichloroethane	U		0.00130	0.00664	1.14	07/12/2020 03:19	WG1507499
1,2-Dichloroethane	U		0.00172	0.00664	1.14	07/12/2020 03:19	WG1507499
1,1-Dichloroethene	U		0.00161	0.00664	1.14	07/12/2020 03:19	WG1507499
cis-1,2-Dichloroethene	U		0.00195	0.00664	1.14	07/12/2020 03:19	WG1507499
trans-1,2-Dichloroethene	U	J4	0.00277	0.0133	1.14	07/12/2020 03:19	WG1507499
1,2-Dichloropropane	U		0.00377	0.0133	1.14	07/12/2020 03:19	WG1507499
1,1-Dichloropropene	U		0.00215	0.00664	1.14	07/12/2020 03:19	WG1507499
1,3-Dichloropropane	U		0.00133	0.0133	1.14	07/12/2020 03:19	WG1507499
cis-1,3-Dichloropropene	U		0.00201	0.00664	1.14	07/12/2020 03:19	WG1507499
trans-1,3-Dichloropropene	U		0.00303	0.0133	1.14	07/12/2020 03:19	WG1507499
trans-1,4-Dichloro-2-butene	U	J0	0.00494	0.0133	1.14	07/12/2020 03:19	WG1507499
2,2-Dichloropropane	U		0.00366	0.00664	1.14	07/12/2020 03:19	WG1507499
Di-isopropyl ether	U		0.00109	0.00265	1.14	07/12/2020 03:19	WG1507499
Ethylbenzene	0.0102		0.00196	0.00664	1.14	07/12/2020 03:19	WG1507499
Hexachloro-1,3-butadiene	U		0.0159	0.0664	1.14	07/12/2020 03:19	WG1507499
2-Hexanone	U		0.00892	0.0664	1.14	07/12/2020 03:19	WG1507499
n-Hexane	0.0373		0.00601	0.0133	1.14	07/12/2020 03:19	WG1507499
Iodomethane	U		0.00615	0.0333	1.14	07/12/2020 03:19	WG1507499
Isopropylbenzene	0.00843		0.00113	0.00664	1.14	07/12/2020 03:19	WG1507499
p-Isopropyltoluene	0.950		0.00678	0.0133	1.14	07/12/2020 03:19	WG1507499
2-Butanone (MEK)	0.254	J	0.169	0.265	1.14	07/12/2020 03:19	WG1507499
Methylene Chloride	U		0.0176	0.0664	1.14	07/12/2020 03:19	WG1507499
4-Methyl-2-pentanone (MIBK)	U		0.00605	0.0664	1.14	07/12/2020 03:19	WG1507499

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		0.000929	0.00265	1.14	07/12/2020 03:19	WG1507499
Naphthalene	0.0190	J	0.0129	0.0333	1.14	07/12/2020 03:19	WG1507499
n-Propylbenzene	0.00782	J	0.00251	0.0133	1.14	07/12/2020 03:19	WG1507499
Styrene	U		0.000608	0.0333	1.14	07/12/2020 03:19	WG1507499
1,1,1,2-Tetrachloroethane	U		0.00251	0.00664	1.14	07/12/2020 03:19	WG1507499
1,1,2,2-Tetrachloroethane	U		0.00184	0.00664	1.14	07/12/2020 03:19	WG1507499
1,1,2-Trichlorotrifluoroethane	U		0.00200	0.00664	1.14	07/12/2020 03:19	WG1507499
Tetrachloroethene	0.0237		0.00237	0.00664	1.14	07/12/2020 03:19	WG1507499
Toluene	0.0538		0.00345	0.0133	1.14	07/12/2020 03:19	WG1507499
1,2,3-Trichlorobenzene	U		0.0195	0.0333	1.14	07/12/2020 03:19	WG1507499
1,2,4-Trichlorobenzene	U		0.0117	0.0333	1.14	07/12/2020 03:19	WG1507499
1,1,1-Trichloroethane	U		0.00244	0.00664	1.14	07/12/2020 03:19	WG1507499
1,1,2-Trichloroethane	U		0.00159	0.00664	1.14	07/12/2020 03:19	WG1507499
Trichloroethene	U		0.00155	0.00265	1.14	07/12/2020 03:19	WG1507499
Trichlorofluoromethane	U		0.00220	0.00664	1.14	07/12/2020 03:19	WG1507499
1,2,3-Trichloropropane	U		0.00431	0.0333	1.14	07/12/2020 03:19	WG1507499
1,2,4-Trimethylbenzene	0.0356		0.00419	0.0133	1.14	07/12/2020 03:19	WG1507499
1,2,3-Trimethylbenzene	0.0321		0.00419	0.0133	1.14	07/12/2020 03:19	WG1507499
1,3,5-Trimethylbenzene	0.0206		0.00531	0.0133	1.14	07/12/2020 03:19	WG1507499
Vinyl acetate	U		0.00675	0.0333	1.14	07/12/2020 03:19	WG1507499
Vinyl chloride	U		0.00307	0.00664	1.14	07/12/2020 03:19	WG1507499
Xylenes, Total	0.0743		0.00233	0.0173	1.14	07/12/2020 03:19	WG1507499
(S) Toluene-d8	*102*			*75.0-131*		*07/12/2020 03:19*	WG1507499
(S) 4-Bromofluorobenzene	*90.5*			*67.0-138*		*07/12/2020 03:19*	WG1507499
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*07/12/2020 03:19*	WG1507499

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	67.7		1	07/11/2020 22:30	WG1507398

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		0.0719	0.0983	1.01	07/12/2020 03:38	WG1507499
Acrylonitrile	U		0.00711	0.0245	1.01	07/12/2020 03:38	WG1507499
Benzene	0.0148		0.000919	0.00197	1.01	07/12/2020 03:38	WG1507499
Bromobenzene	U		0.00177	0.0245	1.01	07/12/2020 03:38	WG1507499
Bromodichloromethane	U		0.00143	0.00493	1.01	07/12/2020 03:38	WG1507499
Bromochloromethane	U		0.00111	0.00983	1.01	07/12/2020 03:38	WG1507499
Bromoform	U		0.00230	0.0493	1.01	07/12/2020 03:38	WG1507499
Bromomethane	U		0.00388	0.0245	1.01	07/12/2020 03:38	WG1507499
n-Butylbenzene	U		0.0103	0.0245	1.01	07/12/2020 03:38	WG1507499
sec-Butylbenzene	0.00606	J	0.00567	0.0245	1.01	07/12/2020 03:38	WG1507499
tert-Butylbenzene	U		0.00384	0.00983	1.01	07/12/2020 03:38	WG1507499
Carbon disulfide	U		0.00138	0.0245	1.01	07/12/2020 03:38	WG1507499
Carbon tetrachloride	U		0.00177	0.00983	1.01	07/12/2020 03:38	WG1507499
Chlorobenzene	U		0.000413	0.00493	1.01	07/12/2020 03:38	WG1507499
Chlorodibromomethane	U		0.00120	0.00493	1.01	07/12/2020 03:38	WG1507499
Chloroethane	U		0.00335	0.00983	1.01	07/12/2020 03:38	WG1507499
Chloroform	U		0.00203	0.00493	1.01	07/12/2020 03:38	WG1507499
Chloromethane	U		0.00855	0.0245	1.01	07/12/2020 03:38	WG1507499
2-Chlorotoluene	U		0.00170	0.00493	1.01	07/12/2020 03:38	WG1507499
4-Chlorotoluene	U		0.000886	0.00983	1.01	07/12/2020 03:38	WG1507499
1,2-Dibromo-3-Chloropropane	U	J0	0.00767	0.0493	1.01	07/12/2020 03:38	WG1507499
1,2-Dibromoethane	U		0.00127	0.00493	1.01	07/12/2020 03:38	WG1507499
Dibromomethane	U		0.00147	0.00983	1.01	07/12/2020 03:38	WG1507499
1,2-Dichlorobenzene	U		0.000835	0.00983	1.01	07/12/2020 03:38	WG1507499
1,3-Dichlorobenzene	U		0.00118	0.00983	1.01	07/12/2020 03:38	WG1507499
1,4-Dichlorobenzene	U		0.00138	0.00983	1.01	07/12/2020 03:38	WG1507499
Dichlorodifluoromethane	U		0.00317	0.00493	1.01	07/12/2020 03:38	WG1507499
1,1-Dichloroethane	U		0.000966	0.00493	1.01	07/12/2020 03:38	WG1507499
1,2-Dichloroethane	U		0.00128	0.00493	1.01	07/12/2020 03:38	WG1507499
1,1-Dichloroethene	U		0.00119	0.00493	1.01	07/12/2020 03:38	WG1507499
cis-1,2-Dichloroethene	U		0.00144	0.00493	1.01	07/12/2020 03:38	WG1507499
trans-1,2-Dichloroethene	U	J4	0.00204	0.00983	1.01	07/12/2020 03:38	WG1507499
1,2-Dichloropropane	U		0.00278	0.00983	1.01	07/12/2020 03:38	WG1507499
1,1-Dichloropropene	U		0.00159	0.00493	1.01	07/12/2020 03:38	WG1507499
1,3-Dichloropropane	U		0.000985	0.00983	1.01	07/12/2020 03:38	WG1507499
cis-1,3-Dichloropropene	U		0.00149	0.00493	1.01	07/12/2020 03:38	WG1507499
trans-1,3-Dichloropropene	U		0.00224	0.00983	1.01	07/12/2020 03:38	WG1507499
trans-1,4-Dichloro-2-butene	U	J0	0.00366	0.00983	1.01	07/12/2020 03:38	WG1507499
2,2-Dichloropropane	U		0.00271	0.00493	1.01	07/12/2020 03:38	WG1507499
Di-isopropyl ether	U		0.000806	0.00197	1.01	07/12/2020 03:38	WG1507499
Ethylbenzene	0.0104		0.00145	0.00493	1.01	07/12/2020 03:38	WG1507499
Hexachloro-1,3-butadiene	U		0.0118	0.0493	1.01	07/12/2020 03:38	WG1507499
2-Hexanone	U		0.00660	0.0493	1.01	07/12/2020 03:38	WG1507499
n-Hexane	0.0539		0.00444	0.00983	1.01	07/12/2020 03:38	WG1507499
Iodomethane	U		0.00456	0.0245	1.01	07/12/2020 03:38	WG1507499
Isopropylbenzene	0.00654		0.000835	0.00493	1.01	07/12/2020 03:38	WG1507499
p-Isopropyltoluene	0.0428		0.00502	0.00983	1.01	07/12/2020 03:38	WG1507499
2-Butanone (MEK)	U		0.125	0.197	1.01	07/12/2020 03:38	WG1507499
Methylene Chloride	U		0.0131	0.0493	1.01	07/12/2020 03:38	WG1507499
4-Methyl-2-pentanone (MIBK)	U		0.00448	0.0493	1.01	07/12/2020 03:38	WG1507499

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		0.000687	0.00197	1.01	07/12/2020 03:38	WG1507499
Naphthalene	0.0724		0.00960	0.0245	1.01	07/12/2020 03:38	WG1507499
n-Propylbenzene	0.00906	J	0.00187	0.00983	1.01	07/12/2020 03:38	WG1507499
Styrene	U		0.000450	0.0245	1.01	07/12/2020 03:38	WG1507499
1,1,1,2-Tetrachloroethane	U		0.00186	0.00493	1.01	07/12/2020 03:38	WG1507499
1,1,2,2-Tetrachloroethane	U		0.00137	0.00493	1.01	07/12/2020 03:38	WG1507499
1,1,2-Trichlorotrifluoroethane	U		0.00148	0.00493	1.01	07/12/2020 03:38	WG1507499
Tetrachloroethene	0.00584		0.00176	0.00493	1.01	07/12/2020 03:38	WG1507499
Toluene	0.0678		0.00255	0.00983	1.01	07/12/2020 03:38	WG1507499
1,2,3-Trichlorobenzene	U		0.0144	0.0245	1.01	07/12/2020 03:38	WG1507499
1,2,4-Trichlorobenzene	U		0.00865	0.0245	1.01	07/12/2020 03:38	WG1507499
1,1,1-Trichloroethane	U		0.00182	0.00493	1.01	07/12/2020 03:38	WG1507499
1,1,2-Trichloroethane	U		0.00117	0.00493	1.01	07/12/2020 03:38	WG1507499
Trichloroethene	U		0.00115	0.00197	1.01	07/12/2020 03:38	WG1507499
Trichlorofluoromethane	U		0.00163	0.00493	1.01	07/12/2020 03:38	WG1507499
1,2,3-Trichloropropane	U		0.00319	0.0245	1.01	07/12/2020 03:38	WG1507499
1,2,4-Trimethylbenzene	0.0586		0.00312	0.00983	1.01	07/12/2020 03:38	WG1507499
1,2,3-Trimethylbenzene	0.0567		0.00312	0.00983	1.01	07/12/2020 03:38	WG1507499
1,3,5-Trimethylbenzene	0.0278		0.00393	0.00983	1.01	07/12/2020 03:38	WG1507499
Vinyl acetate	U		0.00500	0.0245	1.01	07/12/2020 03:38	WG1507499
Vinyl chloride	U		0.00228	0.00493	1.01	07/12/2020 03:38	WG1507499
Xylenes, Total	0.126		0.00173	0.0128	1.01	07/12/2020 03:38	WG1507499
(S) Toluene-d8	*104*			*75.0-131*		*07/12/2020 03:38*	WG1507499
(S) 4-Bromofluorobenzene	*91.6*			*67.0-138*		*07/12/2020 03:38*	WG1507499
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*07/12/2020 03:38*	WG1507499

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.8		1	07/11/2020 20:35	WG1507399

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		0.0393	0.0539	1	07/12/2020 03:57	WG1507499
Acrylonitrile	U		0.00389	0.0135	1	07/12/2020 03:57	WG1507499
Benzene	U		0.000503	0.00108	1	07/12/2020 03:57	WG1507499
Bromobenzene	U		0.000970	0.0135	1	07/12/2020 03:57	WG1507499
Bromodichloromethane	U		0.000781	0.00269	1	07/12/2020 03:57	WG1507499
Bromochloromethane	U		0.000608	0.00539	1	07/12/2020 03:57	WG1507499
Bromoform	U		0.00126	0.0269	1	07/12/2020 03:57	WG1507499
Bromomethane	U		0.00212	0.0135	1	07/12/2020 03:57	WG1507499
n-Butylbenzene	U		0.00566	0.0135	1	07/12/2020 03:57	WG1507499
sec-Butylbenzene	U		0.00310	0.0135	1	07/12/2020 03:57	WG1507499
tert-Butylbenzene	U		0.00210	0.00539	1	07/12/2020 03:57	WG1507499
Carbon disulfide	U		0.000754	0.0135	1	07/12/2020 03:57	WG1507499
Carbon tetrachloride	U		0.000968	0.00539	1	07/12/2020 03:57	WG1507499
Chlorobenzene	U		0.000226	0.00269	1	07/12/2020 03:57	WG1507499
Chlorodibromomethane	U		0.000660	0.00269	1	07/12/2020 03:57	WG1507499
Chloroethane	U		0.00183	0.00539	1	07/12/2020 03:57	WG1507499
Chloroform	U		0.00111	0.00269	1	07/12/2020 03:57	WG1507499
Chloromethane	U		0.00469	0.0135	1	07/12/2020 03:57	WG1507499
2-Chlorotoluene	U		0.000932	0.00269	1	07/12/2020 03:57	WG1507499
4-Chlorotoluene	U		0.000485	0.00539	1	07/12/2020 03:57	WG1507499
1,2-Dibromo-3-Chloropropane	U	J0	0.00420	0.0269	1	07/12/2020 03:57	WG1507499
1,2-Dibromoethane	U		0.000698	0.00269	1	07/12/2020 03:57	WG1507499
Dibromomethane	U		0.000808	0.00539	1	07/12/2020 03:57	WG1507499
1,2-Dichlorobenzene	U		0.000458	0.00539	1	07/12/2020 03:57	WG1507499
1,3-Dichlorobenzene	U		0.000647	0.00539	1	07/12/2020 03:57	WG1507499
1,4-Dichlorobenzene	U		0.000754	0.00539	1	07/12/2020 03:57	WG1507499
Dichlorodifluoromethane	U		0.00173	0.00269	1	07/12/2020 03:57	WG1507499
1,1-Dichloroethane	U		0.000529	0.00269	1	07/12/2020 03:57	WG1507499
1,2-Dichloroethane	U		0.000699	0.00269	1	07/12/2020 03:57	WG1507499
1,1-Dichloroethene	U		0.000653	0.00269	1	07/12/2020 03:57	WG1507499
cis-1,2-Dichloroethene	U		0.000791	0.00269	1	07/12/2020 03:57	WG1507499
trans-1,2-Dichloroethene	U	J4	0.00112	0.00539	1	07/12/2020 03:57	WG1507499
1,2-Dichloropropane	U		0.00153	0.00539	1	07/12/2020 03:57	WG1507499
1,1-Dichloropropene	U		0.000872	0.00269	1	07/12/2020 03:57	WG1507499
1,3-Dichloropropane	U		0.000540	0.00539	1	07/12/2020 03:57	WG1507499
cis-1,3-Dichloropropene	U		0.000816	0.00269	1	07/12/2020 03:57	WG1507499
trans-1,3-Dichloropropene	U		0.00123	0.00539	1	07/12/2020 03:57	WG1507499
trans-1,4-Dichloro-2-butene	U	J0	0.00200	0.00539	1	07/12/2020 03:57	WG1507499
2,2-Dichloropropane	U		0.00149	0.00269	1	07/12/2020 03:57	WG1507499
Di-isopropyl ether	U		0.000442	0.00108	1	07/12/2020 03:57	WG1507499
Ethylbenzene	U		0.000794	0.00269	1	07/12/2020 03:57	WG1507499
Hexachloro-1,3-butadiene	U		0.00647	0.0269	1	07/12/2020 03:57	WG1507499
2-Hexanone	U		0.00362	0.0269	1	07/12/2020 03:57	WG1507499
n-Hexane	0.00345	J	0.00244	0.00539	1	07/12/2020 03:57	WG1507499
Iodomethane	U		0.00250	0.0135	1	07/12/2020 03:57	WG1507499
Isopropylbenzene	U		0.000458	0.00269	1	07/12/2020 03:57	WG1507499
p-Isopropyltoluene	U		0.00275	0.00539	1	07/12/2020 03:57	WG1507499
2-Butanone (MEK)	U		0.0684	0.108	1	07/12/2020 03:57	WG1507499
Methylene Chloride	U		0.00716	0.0269	1	07/12/2020 03:57	WG1507499
4-Methyl-2-pentanone (MIBK)	U		0.00246	0.0269	1	07/12/2020 03:57	WG1507499

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		0.000377	0.00108	1	07/12/2020 03:57	WG1507499
Naphthalene	U		0.00526	0.0135	1	07/12/2020 03:57	WG1507499
n-Propylbenzene	U		0.00102	0.00539	1	07/12/2020 03:57	WG1507499
Styrene	U		0.000247	0.0135	1	07/12/2020 03:57	WG1507499
1,1,1,2-Tetrachloroethane	U		0.00102	0.00269	1	07/12/2020 03:57	WG1507499
1,1,2,2-Tetrachloroethane	U		0.000749	0.00269	1	07/12/2020 03:57	WG1507499
1,1,2-Trichlorotrifluoroethane	U		0.000813	0.00269	1	07/12/2020 03:57	WG1507499
Tetrachloroethene	U		0.000966	0.00269	1	07/12/2020 03:57	WG1507499
Toluene	U		0.00140	0.00539	1	07/12/2020 03:57	WG1507499
1,2,3-Trichlorobenzene	U		0.00790	0.0135	1	07/12/2020 03:57	WG1507499
1,2,4-Trichlorobenzene	U		0.00474	0.0135	1	07/12/2020 03:57	WG1507499
1,1,1-Trichloroethane	U		0.000995	0.00269	1	07/12/2020 03:57	WG1507499
1,1,2-Trichloroethane	U		0.000643	0.00269	1	07/12/2020 03:57	WG1507499
Trichloroethene	U		0.000629	0.00108	1	07/12/2020 03:57	WG1507499
Trichlorofluoromethane	U		0.000891	0.00269	1	07/12/2020 03:57	WG1507499
1,2,3-Trichloropropane	U		0.00175	0.0135	1	07/12/2020 03:57	WG1507499
1,2,4-Trimethylbenzene	U		0.00170	0.00539	1	07/12/2020 03:57	WG1507499
1,2,3-Trimethylbenzene	U		0.00170	0.00539	1	07/12/2020 03:57	WG1507499
1,3,5-Trimethylbenzene	U		0.00216	0.00539	1	07/12/2020 03:57	WG1507499
Vinyl acetate	U		0.00274	0.0135	1	07/12/2020 03:57	WG1507499
Vinyl chloride	U		0.00125	0.00269	1	07/12/2020 03:57	WG1507499
Xylenes, Total	U		0.000948	0.00700	1	07/12/2020 03:57	WG1507499
(S) Toluene-d8	*103*			*75.0-131*		*07/12/2020 03:57*	WG1507499
(S) 4-Bromofluorobenzene	*89.7*			*67.0-138*		*07/12/2020 03:57*	WG1507499
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*07/12/2020 03:57*	WG1507499

Method Blank (MB)

(MB) R3548804-1 07/11/20 22:19

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1237546-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1237546-02 07/11/20 22:19 • (DUP) R3548804-3 07/11/20 22:19

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.6	84.6	1	0.00875		10

Laboratory Control Sample (LCS)

(LCS) R3548804-2 07/11/20 22:19

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) R3548807-1 07/11/20 22:43

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1237982-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1237982-04 07/11/20 22:43 • (DUP) R3548807-3 07/11/20 22:43

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.2	91.3	1	0.0231		10

Laboratory Control Sample (LCS)

(LCS) R3548807-2 07/11/20 22:43

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) R3548805-1 07/11/20 22:30

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1237982-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1237982-15 07/11/20 22:30 • (DUP) R3548805-3 07/11/20 22:30

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	58.6	58.2	1	0.572		10

Laboratory Control Sample (LCS)

(LCS) R3548805-2 07/11/20 22:30

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) R3548781-1 07/11/20 20:35

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1237726-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1237726-01 07/11/20 20:35 • (DUP) R3548781-3 07/11/20 20:35

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.5	85.9	1	1.85		10

Laboratory Control Sample (LCS)

(LCS) R3548781-2 07/11/20 20:35

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) R3548956-3 07/11/20 07:23

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) R3548956-3 07/11/20 07:23

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	*104*			*75.0-131*
(S) 4-Bromofluorobenzene	*90.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

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

(LCS) R3548956-1 07/11/20 06:07 • (LCSD) R3548956-2 07/11/20 06:26

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	0.629	0.745	101	119	10.0-160			16.9	31
Acrylonitrile	0.625	0.557	0.580	89.1	92.8	45.0-153			4.05	22
Benzene	0.125	0.100	0.102	80.0	81.6	70.0-123			1.98	20
Bromobenzene	0.125	0.107	0.104	85.6	83.2	73.0-121			2.84	20
Bromodichloromethane	0.125	0.137	0.143	110	114	73.0-121			4.29	20
Bromochloromethane	0.125	0.107	0.112	85.6	89.6	77.0-128			4.57	20
Bromoform	0.125	0.0895	0.0960	71.6	76.8	64.0-132			7.01	20
Bromomethane	0.125	0.111	0.123	88.8	98.4	56.0-147			10.3	20
n-Butylbenzene	0.125	0.116	0.120	92.8	96.0	68.0-135			3.39	20
sec-Butylbenzene	0.125	0.107	0.110	85.6	88.0	74.0-130			2.76	20
tert-Butylbenzene	0.125	0.142	0.144	114	115	75.0-127			1.40	20
Carbon disulfide	0.125	0.0942	0.104	75.4	83.2	56.0-133			9.89	20
Carbon tetrachloride	0.125	0.111	0.122	88.8	97.6	66.0-128			9.44	20
Chlorobenzene	0.125	0.108	0.109	86.4	87.2	76.0-128			0.922	20
Chlorodibromomethane	0.125	0.0988	0.0987	79.0	79.0	74.0-127			0.101	20
Chloroethane	0.125	0.119	0.128	95.2	102	61.0-134			7.29	20
Chloroform	0.125	0.129	0.134	103	107	72.0-123			3.80	20
Chloromethane	0.125	0.135	0.151	108	121	51.0-138			11.2	20
2-Chlorotoluene	0.125	0.124	0.125	99.2	100	75.0-124			0.803	20
4-Chlorotoluene	0.125	0.116	0.117	92.8	93.6	75.0-124			0.858	20
1,2-Dibromo-3-Chloropropane	0.125	0.100	0.105	80.0	84.0	59.0-130			4.88	20
1,2-Dibromoethane	0.125	0.116	0.118	92.8	94.4	74.0-128			1.71	20
Dibromomethane	0.125	0.116	0.113	92.8	90.4	75.0-122			2.62	20
1,2-Dichlorobenzene	0.125	0.0934	0.0953	74.7	76.2	76.0-124	J4		2.01	20
1,3-Dichlorobenzene	0.125	0.103	0.109	82.4	87.2	76.0-125			5.66	20
1,4-Dichlorobenzene	0.125	0.0990	0.102	79.2	81.6	77.0-121			2.99	20
trans-1,4-Dichloro-2-butene	0.125	0.0988	0.0976	79.0	78.1	45.0-143			1.22	20
Dichlorodifluoromethane	0.125	0.127	0.130	102	104	43.0-156			2.33	20
1,1-Dichloroethane	0.125	0.121	0.128	96.8	102	70.0-127			5.62	20
1,2-Dichloroethane	0.125	0.104	0.108	83.2	86.4	65.0-131			3.77	20
1,1-Dichloroethene	0.125	0.113	0.124	90.4	99.2	65.0-131			9.28	20
cis-1,2-Dichloroethene	0.125	0.0906	0.0985	72.5	78.8	73.0-125	J4		8.36	20
trans-1,2-Dichloroethene	0.125	0.140	0.152	112	122	71.0-125			8.22	20
1,2-Dichloropropane	0.125	0.116	0.118	92.8	94.4	74.0-125			1.71	20
1,1-Dichloropropene	0.125	0.106	0.111	84.8	88.8	73.0-125			4.61	20
1,3-Dichloropropane	0.125	0.110	0.110	88.0	88.0	80.0-125			0.000	20
cis-1,3-Dichloropropene	0.125	0.117	0.116	93.6	92.8	76.0-127			0.858	20
trans-1,3-Dichloropropene	0.125	0.112	0.110	89.6	88.0	73.0-127			1.80	20
2,2-Dichloropropane	0.125	0.116	0.120	92.8	96.0	59.0-135			3.39	20
Di-isopropyl ether	0.125	0.103	0.110	82.4	88.0	60.0-136			6.57	20

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

(LCS) R3548956-1 07/11/20 06:07 • (LCSD) R3548956-2 07/11/20 06:26

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	0.115	0.119	92.0	95.2	74.0-126			3.42	20
Hexachloro-1,3-butadiene	0.125	0.0973	0.108	77.8	86.4	57.0-150			10.4	20
2-Hexanone	0.625	0.600	0.601	96.0	96.2	54.0-147			0.167	20
n-Hexane	0.125	0.112	0.120	89.6	96.0	55.0-137			6.90	20
Iodomethane	0.625	0.567	0.628	90.7	100	74.0-134			10.2	20
Isopropylbenzene	0.125	0.110	0.119	88.0	95.2	72.0-127			7.86	20
p-Isopropyltoluene	0.125	0.108	0.111	86.4	88.8	72.0-133			2.74	20
2-Butanone (MEK)	0.625	0.624	0.630	99.8	101	30.0-160			0.957	24
Methylene Chloride	0.125	0.0941	0.103	75.3	82.4	68.0-123			9.03	20
4-Methyl-2-pentanone (MIBK)	0.625	0.595	0.587	95.2	93.9	56.0-143			1.35	20
Methyl tert-butyl ether	0.125	0.125	0.136	100	109	66.0-132			8.43	20
Naphthalene	0.125	0.0942	0.105	75.4	84.0	59.0-130			10.8	20
n-Propylbenzene	0.125	0.109	0.109	87.2	87.2	74.0-126			0.000	20
Styrene	0.125	0.107	0.116	85.6	92.8	72.0-127			8.07	20
1,1,1,2-Tetrachloroethane	0.125	0.114	0.120	91.2	96.0	74.0-129			5.13	20
1,1,2,2-Tetrachloroethane	0.125	0.104	0.102	83.2	81.6	68.0-128			1.94	20
Tetrachloroethene	0.125	0.111	0.113	88.8	90.4	70.0-136			1.79	20
Toluene	0.125	0.107	0.107	85.6	85.6	75.0-121			0.000	20
1,1,2-Trichlorotrifluoroethane	0.125	0.111	0.118	88.8	94.4	61.0-139			6.11	20
1,2,3-Trichlorobenzene	0.125	0.0885	0.102	70.8	81.6	59.0-139			14.2	20
1,2,4-Trichlorobenzene	0.125	0.0874	0.0959	69.9	76.7	62.0-137			9.27	20
1,1,1-Trichloroethane	0.125	0.124	0.131	99.2	105	69.0-126			5.49	20
1,1,2-Trichloroethane	0.125	0.141	0.146	113	117	78.0-123			3.48	20
Trichloroethene	0.125	0.123	0.128	98.4	102	76.0-126			3.98	20
Trichlorofluoromethane	0.125	0.134	0.149	107	119	61.0-142			10.6	20
1,2,3-Trichloropropane	0.125	0.140	0.138	112	110	67.0-129			1.44	20
1,2,3-Trimethylbenzene	0.125	0.0957	0.0983	76.6	78.6	74.0-124			2.68	20
1,2,4-Trimethylbenzene	0.125	0.0919	0.0935	73.5	74.8	70.0-126			1.73	20
1,3,5-Trimethylbenzene	0.125	0.108	0.110	86.4	88.0	73.0-127			1.83	20
Vinyl acetate	0.625	0.409	0.381	65.4	61.0	43.0-159			7.09	20
Vinyl chloride	0.125	0.120	0.130	96.0	104	63.0-134			8.00	20
Xylenes, Total	0.375	0.298	0.314	79.5	83.7	72.0-127			5.23	20
(S) Toluene-d8				*100*	*96.4*	*75.0-131*				
(S) 4-Bromofluorobenzene				*94.2*	*99.4*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*110*	*111*	*70.0-130*				

Method Blank (MB)

(MB) R3548982-1 07/11/20 21:02

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) R3548982-1 07/11/20 21:02

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	*89.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.6*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3548982-2 07/11/20 21:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.400	64.0	10.0-160	
Acrylonitrile	0.625	0.579	92.6	45.0-153	
Benzene	0.125	0.110	88.0	70.0-123	
Bromobenzene	0.125	0.106	84.8	73.0-121	
Bromodichloromethane	0.125	0.147	118	73.0-121	
Bromochloromethane	0.125	0.115	92.0	77.0-128	
Bromoform	0.125	0.0970	77.6	64.0-132	
Bromomethane	0.125	0.131	105	56.0-147	
n-Butylbenzene	0.125	0.130	104	68.0-135	
sec-Butylbenzene	0.125	0.116	92.8	74.0-130	
tert-Butylbenzene	0.125	0.148	118	75.0-127	
Carbon disulfide	0.125	0.105	84.0	56.0-133	
Carbon tetrachloride	0.125	0.127	102	66.0-128	
Chlorobenzene	0.125	0.117	93.6	76.0-128	
Chlorodibromomethane	0.125	0.102	81.6	74.0-127	
Chloroethane	0.125	0.139	111	61.0-134	
Chloroform	0.125	0.141	113	72.0-123	
Chloromethane	0.125	0.146	117	51.0-138	
2-Chlorotoluene	0.125	0.128	102	75.0-124	
4-Chlorotoluene	0.125	0.119	95.2	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.108	86.4	59.0-130	
1,2-Dibromoethane	0.125	0.121	96.8	74.0-128	
Dibromomethane	0.125	0.123	98.4	75.0-122	
1,2-Dichlorobenzene	0.125	0.101	80.8	76.0-124	
1,3-Dichlorobenzene	0.125	0.112	89.6	76.0-125	
1,4-Dichlorobenzene	0.125	0.105	84.0	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.0929	74.3	45.0-143	
Dichlorodifluoromethane	0.125	0.152	122	43.0-156	
1,1-Dichloroethane	0.125	0.134	107	70.0-127	
1,2-Dichloroethane	0.125	0.114	91.2	65.0-131	
1,1-Dichloroethene	0.125	0.131	105	65.0-131	
cis-1,2-Dichloroethene	0.125	0.100	80.0	73.0-125	
trans-1,2-Dichloroethene	0.125	0.157	126	71.0-125	J4
1,2-Dichloropropane	0.125	0.123	98.4	74.0-125	
1,1-Dichloropropene	0.125	0.123	98.4	73.0-125	
1,3-Dichloropropane	0.125	0.114	91.2	80.0-125	
cis-1,3-Dichloropropene	0.125	0.124	99.2	76.0-127	
trans-1,3-Dichloropropene	0.125	0.117	93.6	73.0-127	
2,2-Dichloropropane	0.125	0.139	111	59.0-135	
Di-isopropyl ether	0.125	0.110	88.0	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3548982-2 07/11/20 21:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.127	102	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.122	97.6	57.0-150	
2-Hexanone	0.625	0.626	100	54.0-147	
n-Hexane	0.125	0.135	108	55.0-137	
Iodomethane	0.625	0.646	103	74.0-134	
Isopropylbenzene	0.125	0.127	102	72.0-127	
p-Isopropyltoluene	0.125	0.117	93.6	72.0-133	
2-Butanone (MEK)	0.625	0.630	101	30.0-160	
Methylene Chloride	0.125	0.102	81.6	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.609	97.4	56.0-143	
Methyl tert-butyl ether	0.125	0.135	108	66.0-132	
Naphthalene	0.125	0.109	87.2	59.0-130	
n-Propylbenzene	0.125	0.113	90.4	74.0-126	
Styrene	0.125	0.120	96.0	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.126	101	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.109	87.2	68.0-128	
Tetrachloroethene	0.125	0.126	101	70.0-136	
Toluene	0.125	0.117	93.6	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.134	107	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.108	86.4	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.107	85.6	62.0-137	
1,1,1-Trichloroethane	0.125	0.140	112	69.0-126	
1,1,2-Trichloroethane	0.125	0.154	123	78.0-123	
Trichloroethene	0.125	0.131	105	76.0-126	
Trichlorofluoromethane	0.125	0.149	119	61.0-142	
1,2,3-Trichloropropane	0.125	0.135	108	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.103	82.4	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.0969	77.5	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.113	90.4	73.0-127	
Vinyl acetate	0.625	0.652	104	43.0-159	
Vinyl chloride	0.125	0.136	109	63.0-134	
Xylenes, Total	0.375	0.338	90.1	72.0-127	
(S) Toluene-d8			*98.9*	*75.0-131*	
(S) 4-Bromofluorobenzene			*98.4*	*67.0-138*	
(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

(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.
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

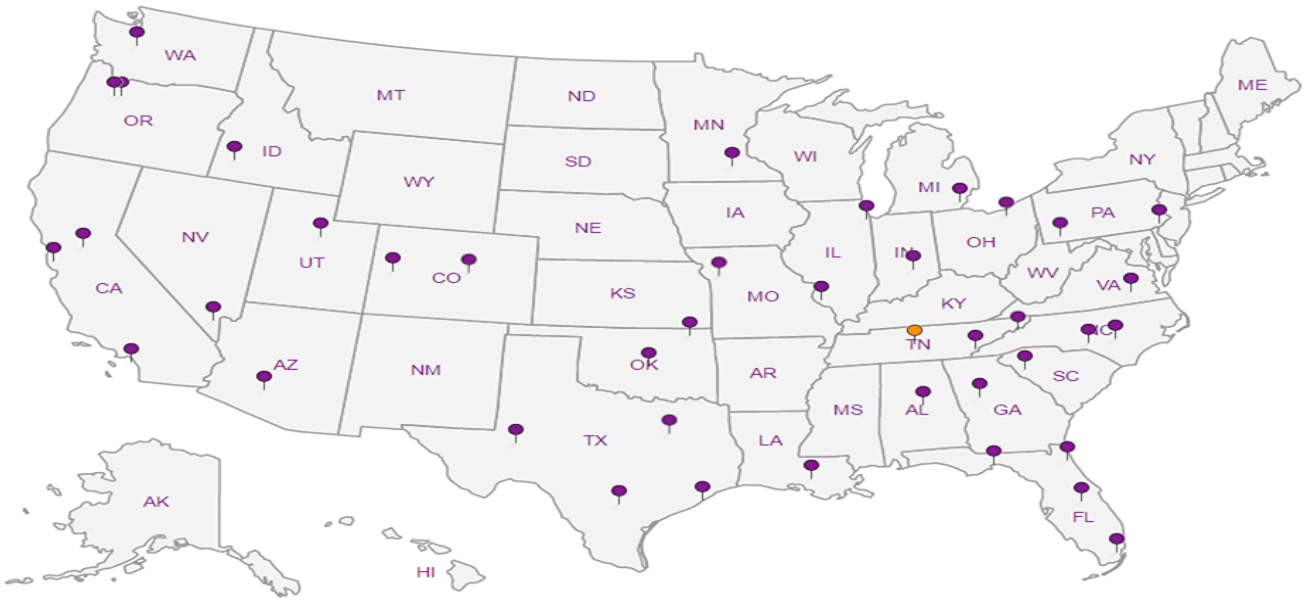
Third Party Federal Accreditations

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

Lab Project # PESENVSWA-ALP

Collected by (print): R.T. McLaughlin

Site/Facility ID # American Linen

P.O. #

Collected by (signature): R.T. 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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C 40mlAmb/MeOH5ml/Syr	dry weight 4ozClr-NoPres	Remarks	Sample # (lab only)
SV-04-6	Grab	SS	6	6/29/20	1100	2				-01
SV-05-10		SS	10	6/29/20	1135	2				-02
SV-06-6		SS	6	6/29/20	1407	2				-03
SV-07-15		SS	15	6/29/20	1445	2				-04
SV-08-6		SS	6	6/30/20	0940	2				-05
SV-08-7.5		SS	7.5	6/30/20	0945	2				-06
SV-10-5.5		SS	5.5	6/30/20	1420	2				-07
SV-11-10		SS	10	6/30/20	1455	2				-08
SV-09-5.5	↓	SS	5.5	7/1/20	1020	2				-09
SV-12-5.5	Grab	SS	5.5	7/1/20	1200					-10

Analysis / Container / Preservative

Chain of Custody Page 1 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 # L1237982

1190

Acctnum: PESENVSWA
Template: T169956
Prelogin: P781866
PM: 546 - Jared Starkey
PB:
Shipped Via:

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 184543243169

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
R.T. McLaughlin	7/2/20	1330	Chris DeBoer		
Chris DeBoer	7/6/20	1345		Temp: AIR °C 4.9+.1=5.0 Bottles Received: 34	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/8/20 Time: 0845	Hold: Condition: NCF / OK

PES E[redacted]nmental, 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

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLaughlin

Site/Facility ID # American Linen

P.O. #

Collected by (signature): [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

V8260C 40mlAmb/MeOH5ml/Syr

dry weight 4ozClr-NoPres

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Remarks	Sample # (lab only)
Sv-13-10.5	Grab	SS	10.5	7/1/20	1230	2		-11
Sv-14-5.5		SS	5.5	7/1/20	1505			-12
Sv-15-13		SS	13	7/1/20	1530			-13
Sv-100-5		SS	5	7/2/20	0900			-14
Sv-16-5		SS	5	7/2/20	1005			-15
Sv-17-4.5		SS	4.5	7/2/20	1147			-16
Sv-18-5.5	Grab	SS	5.5	7/2/20	13:25	2		-17
		SS						
		SS						
		SS						

Chain of Custody Page 2 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 # L1237982

Table #

Acctnum: PESENVSWA
Template: T169956
Prelogin: P781866
PM: 546 - Jared Starkey
PB:

Shipped Via:

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 184543243189

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)
[signature]	7/2/20	1330	Chris DeBoer
Chris DeBoer	7/6/20	1345	
			Received for lab by: (Signature) [signature]

Trip Blank Received: Yes / No (HCL / MeOH) TBR 1

Temp: 4.6 °C Bottles Received: 34
4.9 + .1 = 5.0

Date: 7/8/20 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Login #:L1237982	Client: PESENVSWA	Date:07/08/20	Evaluated by:Cole Medley

Non-Conformance (check applicable items)

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

Login Comments: Client did not "X" analysis.

Client informed by:		Call		EmailX		Voice Mail		Date:7/9/20	Time:1000
TSR Initials:JS	Client Contact: Bill Haldeman								

Login Instructions:

Log all samples for analysis listed on COC, V8260C and TS

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

July 21, 2020

Revised Report

PES Environmental, Inc.- WA

Sample Delivery Group:	L1238798
Samples Received:	07/11/2020
Project Number:	1413.001.02
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:

Jared Starkey
Project Manager

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

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SV-19-5 L1238798-01 Solid

Collected by: R.T. McLaughlin | Collected date/time: 07/09/20 09:30 | Received date/time: 07/11/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1509520	1	07/15/20 21:46	07/15/20 21:57	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1510393	1	07/09/20 09:30	07/17/20 00:52	BMB	Mt. Juliet, TN

SV-20-9 L1238798-02 Solid

Collected by: R.T. McLaughlin | Collected date/time: 07/09/20 09:55 | Received date/time: 07/11/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1509520	1	07/15/20 21:46	07/15/20 21:57	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1510393	1	07/09/20 09:55	07/17/20 01:12	BMB	Mt. Juliet, TN

SV-21-6 L1238798-03 Solid

Collected by: R.T. McLaughlin | Collected date/time: 07/09/20 11:05 | Received date/time: 07/11/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1509520	1	07/15/20 21:46	07/15/20 21:57	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1510393	1	07/09/20 11:05	07/17/20 01:32	BMB	Mt. Juliet, TN

SV-22-8.5 L1238798-04 Solid

Collected by: R.T. McLaughlin | Collected date/time: 07/09/20 11:20 | Received date/time: 07/11/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1509525	1	07/15/20 21:32	07/15/20 21:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1510393	1.06	07/09/20 11:20	07/17/20 01:52	BMB	Mt. Juliet, TN

SV-23-4.5 L1238798-05 Solid

Collected by: R.T. McLaughlin | Collected date/time: 07/09/20 14:10 | Received date/time: 07/11/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1509525	1	07/15/20 21:32	07/15/20 21:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1510393	1	07/09/20 14:10	07/17/20 02:12	BMB	Mt. Juliet, TN

SV-24-8 L1238798-06 Solid

Collected by: R.T. McLaughlin | Collected date/time: 07/09/20 14:30 | Received date/time: 07/11/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1509525	1	07/15/20 21:32	07/15/20 21:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1510393	1	07/09/20 14:30	07/17/20 02:32	BMB	Mt. Juliet, TN

SV-25-4 L1238798-07 Solid

Collected by: R.T. McLaughlin | Collected date/time: 07/10/20 10:55 | Received date/time: 07/11/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1509525	1	07/15/20 21:32	07/15/20 21:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1510393	1	07/10/20 10:55	07/17/20 02:52	BMB	Mt. Juliet, TN

SV-26-12 L1238798-08 Solid

Collected by: R.T. McLaughlin
Collected date/time: 07/10/20 11:40
Received date/time: 07/11/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1509525	1	07/15/20 21:32	07/15/20 21:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1510584	1	07/10/20 11:40	07/17/20 05:45	DWR	Mt. Juliet, TN

SV-27-5.5 L1238798-09 Solid

Collected by: R.T. McLaughlin
Collected date/time: 07/10/20 13:15
Received date/time: 07/11/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1509525	1	07/15/20 21:32	07/15/20 21:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1510584	1	07/10/20 13:15	07/17/20 06:04	DWR	Mt. Juliet, TN

SV-27-13.5 L1238798-10 Solid

Collected by: R.T. McLaughlin
Collected date/time: 07/10/20 14:10
Received date/time: 07/11/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1509525	1	07/15/20 21:32	07/15/20 21:43	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1510584	1	07/10/20 14:10	07/17/20 06:23	DWR	Mt. Juliet, TN

TB-071020 L1238798-11 GW

Collected by: R.T. McLaughlin
Collected date/time: 07/10/20 14:25
Received date/time: 07/11/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1509734	1	07/15/20 19:06	07/15/20 19:06	BMB	Mt. Juliet, TN

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

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 07/20/20 15:28

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	07/15/2020 21:57	WG1509520

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	J3	0.0393	0.0538	1	07/17/2020 00:52	WG1510393
Acrylonitrile	U		0.00389	0.0135	1	07/17/2020 00:52	WG1510393
Benzene	0.00338		0.000503	0.00108	1	07/17/2020 00:52	WG1510393
Bromobenzene	U		0.000969	0.0135	1	07/17/2020 00:52	WG1510393
Bromodichloromethane	U		0.000781	0.00269	1	07/17/2020 00:52	WG1510393
Bromochloromethane	U		0.000607	0.00538	1	07/17/2020 00:52	WG1510393
Bromoform	U		0.00126	0.0269	1	07/17/2020 00:52	WG1510393
Bromomethane	U		0.00212	0.0135	1	07/17/2020 00:52	WG1510393
n-Butylbenzene	U		0.00565	0.0135	1	07/17/2020 00:52	WG1510393
sec-Butylbenzene	U		0.00310	0.0135	1	07/17/2020 00:52	WG1510393
tert-Butylbenzene	U		0.00210	0.00538	1	07/17/2020 00:52	WG1510393
Carbon disulfide	U	J3	0.000754	0.0135	1	07/17/2020 00:52	WG1510393
Carbon tetrachloride	U		0.000967	0.00538	1	07/17/2020 00:52	WG1510393
Chlorobenzene	U		0.000226	0.00269	1	07/17/2020 00:52	WG1510393
Chlorodibromomethane	U		0.000659	0.00269	1	07/17/2020 00:52	WG1510393
Chloroethane	U		0.00183	0.00538	1	07/17/2020 00:52	WG1510393
Chloroform	U		0.00111	0.00269	1	07/17/2020 00:52	WG1510393
Chloromethane	U		0.00468	0.0135	1	07/17/2020 00:52	WG1510393
2-Chlorotoluene	U		0.000932	0.00269	1	07/17/2020 00:52	WG1510393
4-Chlorotoluene	U		0.000485	0.00538	1	07/17/2020 00:52	WG1510393
1,2-Dibromo-3-Chloropropane	U		0.00420	0.0269	1	07/17/2020 00:52	WG1510393
1,2-Dibromoethane	U		0.000698	0.00269	1	07/17/2020 00:52	WG1510393
Dibromomethane	U		0.000808	0.00538	1	07/17/2020 00:52	WG1510393
1,2-Dichlorobenzene	U		0.000458	0.00538	1	07/17/2020 00:52	WG1510393
1,3-Dichlorobenzene	U		0.000646	0.00538	1	07/17/2020 00:52	WG1510393
1,4-Dichlorobenzene	U		0.000754	0.00538	1	07/17/2020 00:52	WG1510393
Dichlorodifluoromethane	U		0.00173	0.00269	1	07/17/2020 00:52	WG1510393
1,1-Dichloroethane	U		0.000529	0.00269	1	07/17/2020 00:52	WG1510393
1,2-Dichloroethane	U		0.000699	0.00269	1	07/17/2020 00:52	WG1510393
1,1-Dichloroethene	U		0.000653	0.00269	1	07/17/2020 00:52	WG1510393
cis-1,2-Dichloroethene	U		0.000790	0.00269	1	07/17/2020 00:52	WG1510393
trans-1,2-Dichloroethene	U		0.00112	0.00538	1	07/17/2020 00:52	WG1510393
1,2-Dichloropropane	U		0.00153	0.00538	1	07/17/2020 00:52	WG1510393
1,1-Dichloropropene	U		0.000871	0.00269	1	07/17/2020 00:52	WG1510393
1,3-Dichloropropane	U		0.000540	0.00538	1	07/17/2020 00:52	WG1510393
cis-1,3-Dichloropropene	U		0.000815	0.00269	1	07/17/2020 00:52	WG1510393
trans-1,3-Dichloropropene	U		0.00123	0.00538	1	07/17/2020 00:52	WG1510393
trans-1,4-Dichloro-2-butene	U		0.00200	0.00538	1	07/17/2020 00:52	WG1510393
2,2-Dichloropropane	U		0.00149	0.00269	1	07/17/2020 00:52	WG1510393
Di-isopropyl ether	U		0.000442	0.00108	1	07/17/2020 00:52	WG1510393
Ethylbenzene	U		0.000794	0.00269	1	07/17/2020 00:52	WG1510393
Hexachloro-1,3-butadiene	U		0.00646	0.0269	1	07/17/2020 00:52	WG1510393
2-Hexanone	U		0.00362	0.0269	1	07/17/2020 00:52	WG1510393
n-Hexane	U	J4	0.00243	0.00538	1	07/17/2020 00:52	WG1510393
Iodomethane	U		0.00250	0.0135	1	07/17/2020 00:52	WG1510393
Isopropylbenzene	U		0.000458	0.00269	1	07/17/2020 00:52	WG1510393
p-Isopropyltoluene	U		0.00275	0.00538	1	07/17/2020 00:52	WG1510393
2-Butanone (MEK)	U		0.0684	0.108	1	07/17/2020 00:52	WG1510393
Methylene Chloride	U		0.00715	0.0269	1	07/17/2020 00:52	WG1510393
4-Methyl-2-pentanone (MIBK)	U		0.00246	0.0269	1	07/17/2020 00:52	WG1510393

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		0.000377	0.00108	1	07/17/2020 00:52	WG1510393
Naphthalene	U		0.00526	0.0135	1	07/17/2020 00:52	WG1510393
n-Propylbenzene	U		0.00102	0.00538	1	07/17/2020 00:52	WG1510393
Styrene	U		0.000247	0.0135	1	07/17/2020 00:52	WG1510393
1,1,1,2-Tetrachloroethane	U		0.00102	0.00269	1	07/17/2020 00:52	WG1510393
1,1,2,2-Tetrachloroethane	U		0.000748	0.00269	1	07/17/2020 00:52	WG1510393
1,1,2-Trichlorotrifluoroethane	U		0.000812	0.00269	1	07/17/2020 00:52	WG1510393
Tetrachloroethene	0.00169	J	0.000965	0.00269	1	07/17/2020 00:52	WG1510393
Toluene	U		0.00140	0.00538	1	07/17/2020 00:52	WG1510393
1,2,3-Trichlorobenzene	U		0.00789	0.0135	1	07/17/2020 00:52	WG1510393
1,2,4-Trichlorobenzene	U		0.00474	0.0135	1	07/17/2020 00:52	WG1510393
1,1,1-Trichloroethane	U		0.000994	0.00269	1	07/17/2020 00:52	WG1510393
1,1,2-Trichloroethane	U		0.000643	0.00269	1	07/17/2020 00:52	WG1510393
Trichloroethene	U		0.000629	0.00108	1	07/17/2020 00:52	WG1510393
Trichlorofluoromethane	U		0.000891	0.00269	1	07/17/2020 00:52	WG1510393
1,2,3-Trichloropropane	U		0.00174	0.0135	1	07/17/2020 00:52	WG1510393
1,2,4-Trimethylbenzene	U		0.00170	0.00538	1	07/17/2020 00:52	WG1510393
1,2,3-Trimethylbenzene	U		0.00170	0.00538	1	07/17/2020 00:52	WG1510393
1,3,5-Trimethylbenzene	U		0.00215	0.00538	1	07/17/2020 00:52	WG1510393
Vinyl acetate	U		0.00274	0.0135	1	07/17/2020 00:52	WG1510393
Vinyl chloride	U		0.00125	0.00269	1	07/17/2020 00:52	WG1510393
Xylenes, Total	U		0.000948	0.00700	1	07/17/2020 00:52	WG1510393
(S) Toluene-d8	*108*			*75.0-131*		*07/17/2020 00:52*	WG1510393
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*07/17/2020 00:52*	WG1510393
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*07/17/2020 00:52*	WG1510393

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.8		1	07/15/2020 21:57	WG1509520

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	J3	0.0517	0.0708	1	07/17/2020 01:12	WG1510393
Acrylonitrile	U		0.00511	0.0177	1	07/17/2020 01:12	WG1510393
Benzene	U		0.000661	0.00142	1	07/17/2020 01:12	WG1510393
Bromobenzene	U		0.00127	0.0177	1	07/17/2020 01:12	WG1510393
Bromodichloromethane	U		0.00103	0.00354	1	07/17/2020 01:12	WG1510393
Bromochloromethane	U		0.000798	0.00708	1	07/17/2020 01:12	WG1510393
Bromoform	U		0.00166	0.0354	1	07/17/2020 01:12	WG1510393
Bromomethane	U		0.00279	0.0177	1	07/17/2020 01:12	WG1510393
n-Butylbenzene	U		0.00743	0.0177	1	07/17/2020 01:12	WG1510393
sec-Butylbenzene	U		0.00408	0.0177	1	07/17/2020 01:12	WG1510393
tert-Butylbenzene	U		0.00276	0.00708	1	07/17/2020 01:12	WG1510393
Carbon disulfide	U	J3	0.000991	0.0177	1	07/17/2020 01:12	WG1510393
Carbon tetrachloride	U		0.00127	0.00708	1	07/17/2020 01:12	WG1510393
Chlorobenzene	U		0.000297	0.00354	1	07/17/2020 01:12	WG1510393
Chlorodibromomethane	U		0.000866	0.00354	1	07/17/2020 01:12	WG1510393
Chloroethane	U		0.00241	0.00708	1	07/17/2020 01:12	WG1510393
Chloroform	U		0.00146	0.00354	1	07/17/2020 01:12	WG1510393
Chloromethane	U		0.00616	0.0177	1	07/17/2020 01:12	WG1510393
2-Chlorotoluene	U		0.00122	0.00354	1	07/17/2020 01:12	WG1510393
4-Chlorotoluene	U		0.000637	0.00708	1	07/17/2020 01:12	WG1510393
1,2-Dibromo-3-Chloropropane	U		0.00552	0.0354	1	07/17/2020 01:12	WG1510393
1,2-Dibromoethane	U		0.000917	0.00354	1	07/17/2020 01:12	WG1510393
Dibromomethane	U		0.00106	0.00708	1	07/17/2020 01:12	WG1510393
1,2-Dichlorobenzene	U		0.000602	0.00708	1	07/17/2020 01:12	WG1510393
1,3-Dichlorobenzene	U		0.000849	0.00708	1	07/17/2020 01:12	WG1510393
1,4-Dichlorobenzene	U		0.000991	0.00708	1	07/17/2020 01:12	WG1510393
Dichlorodifluoromethane	U		0.00228	0.00354	1	07/17/2020 01:12	WG1510393
1,1-Dichloroethane	U		0.000695	0.00354	1	07/17/2020 01:12	WG1510393
1,2-Dichloroethane	U		0.000919	0.00354	1	07/17/2020 01:12	WG1510393
1,1-Dichloroethene	U		0.000858	0.00354	1	07/17/2020 01:12	WG1510393
cis-1,2-Dichloroethene	U		0.00104	0.00354	1	07/17/2020 01:12	WG1510393
trans-1,2-Dichloroethene	U		0.00147	0.00708	1	07/17/2020 01:12	WG1510393
1,2-Dichloropropane	U		0.00201	0.00708	1	07/17/2020 01:12	WG1510393
1,1-Dichloropropene	U		0.00115	0.00354	1	07/17/2020 01:12	WG1510393
1,3-Dichloropropane	U		0.000709	0.00708	1	07/17/2020 01:12	WG1510393
cis-1,3-Dichloropropene	U		0.00107	0.00354	1	07/17/2020 01:12	WG1510393
trans-1,3-Dichloropropene	U		0.00161	0.00708	1	07/17/2020 01:12	WG1510393
trans-1,4-Dichloro-2-butene	U		0.00263	0.00708	1	07/17/2020 01:12	WG1510393
2,2-Dichloropropane	U		0.00195	0.00354	1	07/17/2020 01:12	WG1510393
Di-isopropyl ether	U		0.000580	0.00142	1	07/17/2020 01:12	WG1510393
Ethylbenzene	U		0.00104	0.00354	1	07/17/2020 01:12	WG1510393
Hexachloro-1,3-butadiene	U		0.00849	0.0354	1	07/17/2020 01:12	WG1510393
2-Hexanone	U		0.00476	0.0354	1	07/17/2020 01:12	WG1510393
n-Hexane	U	J4	0.00320	0.00708	1	07/17/2020 01:12	WG1510393
Iodomethane	U		0.00328	0.0177	1	07/17/2020 01:12	WG1510393
Isopropylbenzene	U		0.000602	0.00354	1	07/17/2020 01:12	WG1510393
p-Isopropyltoluene	U		0.00361	0.00708	1	07/17/2020 01:12	WG1510393
2-Butanone (MEK)	U		0.0899	0.142	1	07/17/2020 01:12	WG1510393
Methylene Chloride	U		0.00940	0.0354	1	07/17/2020 01:12	WG1510393
4-Methyl-2-pentanone (MIBK)	U		0.00323	0.0354	1	07/17/2020 01:12	WG1510393

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		0.000495	0.00142	1	07/17/2020 01:12	WG1510393
Naphthalene	U		0.00691	0.0177	1	07/17/2020 01:12	WG1510393
n-Propylbenzene	U		0.00134	0.00708	1	07/17/2020 01:12	WG1510393
Styrene	U		0.000324	0.0177	1	07/17/2020 01:12	WG1510393
1,1,1,2-Tetrachloroethane	U		0.00134	0.00354	1	07/17/2020 01:12	WG1510393
1,1,2,2-Tetrachloroethane	U		0.000984	0.00354	1	07/17/2020 01:12	WG1510393
1,1,2-Trichlorotrifluoroethane	U		0.00107	0.00354	1	07/17/2020 01:12	WG1510393
Tetrachloroethene	0.00275	J	0.00127	0.00354	1	07/17/2020 01:12	WG1510393
Toluene	U		0.00184	0.00708	1	07/17/2020 01:12	WG1510393
1,2,3-Trichlorobenzene	U		0.0104	0.0177	1	07/17/2020 01:12	WG1510393
1,2,4-Trichlorobenzene	U		0.00623	0.0177	1	07/17/2020 01:12	WG1510393
1,1,1-Trichloroethane	U		0.00131	0.00354	1	07/17/2020 01:12	WG1510393
1,1,2-Trichloroethane	U		0.000845	0.00354	1	07/17/2020 01:12	WG1510393
Trichloroethene	U		0.000827	0.00142	1	07/17/2020 01:12	WG1510393
Trichlorofluoromethane	U		0.00117	0.00354	1	07/17/2020 01:12	WG1510393
1,2,3-Trichloropropane	U		0.00229	0.0177	1	07/17/2020 01:12	WG1510393
1,2,4-Trimethylbenzene	U		0.00224	0.00708	1	07/17/2020 01:12	WG1510393
1,2,3-Trimethylbenzene	U		0.00224	0.00708	1	07/17/2020 01:12	WG1510393
1,3,5-Trimethylbenzene	U		0.00283	0.00708	1	07/17/2020 01:12	WG1510393
Vinyl acetate	U		0.00360	0.0177	1	07/17/2020 01:12	WG1510393
Vinyl chloride	U		0.00164	0.00354	1	07/17/2020 01:12	WG1510393
Xylenes, Total	U		0.00125	0.00920	1	07/17/2020 01:12	WG1510393
(S) Toluene-d8	*108*			*75.0-131*		*07/17/2020 01:12*	WG1510393
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*07/17/2020 01:12*	WG1510393
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*07/17/2020 01:12*	WG1510393

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.3		1	07/15/2020 21:57	WG1509520

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	J3	0.0400	0.0548	1	07/17/2020 01:32	WG1510393
Acrylonitrile	U		0.00396	0.0137	1	07/17/2020 01:32	WG1510393
Benzene	U		0.000512	0.00110	1	07/17/2020 01:32	WG1510393
Bromobenzene	U		0.000986	0.0137	1	07/17/2020 01:32	WG1510393
Bromodichloromethane	U		0.000795	0.00274	1	07/17/2020 01:32	WG1510393
Bromochloromethane	U		0.000618	0.00548	1	07/17/2020 01:32	WG1510393
Bromoform	U		0.00128	0.0274	1	07/17/2020 01:32	WG1510393
Bromomethane	U		0.00216	0.0137	1	07/17/2020 01:32	WG1510393
n-Butylbenzene	U		0.00575	0.0137	1	07/17/2020 01:32	WG1510393
sec-Butylbenzene	U		0.00316	0.0137	1	07/17/2020 01:32	WG1510393
tert-Butylbenzene	U		0.00214	0.00548	1	07/17/2020 01:32	WG1510393
Carbon disulfide	U	J3	0.000767	0.0137	1	07/17/2020 01:32	WG1510393
Carbon tetrachloride	U		0.000984	0.00548	1	07/17/2020 01:32	WG1510393
Chlorobenzene	U		0.000230	0.00274	1	07/17/2020 01:32	WG1510393
Chlorodibromomethane	U		0.000671	0.00274	1	07/17/2020 01:32	WG1510393
Chloroethane	U		0.00186	0.00548	1	07/17/2020 01:32	WG1510393
Chloroform	U		0.00113	0.00274	1	07/17/2020 01:32	WG1510393
Chloromethane	U		0.00477	0.0137	1	07/17/2020 01:32	WG1510393
2-Chlorotoluene	U		0.000948	0.00274	1	07/17/2020 01:32	WG1510393
4-Chlorotoluene	U		0.000493	0.00548	1	07/17/2020 01:32	WG1510393
1,2-Dibromo-3-Chloropropane	U		0.00427	0.0274	1	07/17/2020 01:32	WG1510393
1,2-Dibromoethane	U		0.000710	0.00274	1	07/17/2020 01:32	WG1510393
Dibromomethane	U		0.000822	0.00548	1	07/17/2020 01:32	WG1510393
1,2-Dichlorobenzene	U		0.000466	0.00548	1	07/17/2020 01:32	WG1510393
1,3-Dichlorobenzene	U		0.000658	0.00548	1	07/17/2020 01:32	WG1510393
1,4-Dichlorobenzene	U		0.000767	0.00548	1	07/17/2020 01:32	WG1510393
Dichlorodifluoromethane	U		0.00176	0.00274	1	07/17/2020 01:32	WG1510393
1,1-Dichloroethane	U		0.000538	0.00274	1	07/17/2020 01:32	WG1510393
1,2-Dichloroethane	U		0.000711	0.00274	1	07/17/2020 01:32	WG1510393
1,1-Dichloroethene	U		0.000664	0.00274	1	07/17/2020 01:32	WG1510393
cis-1,2-Dichloroethene	U		0.000804	0.00274	1	07/17/2020 01:32	WG1510393
trans-1,2-Dichloroethene	U		0.00114	0.00548	1	07/17/2020 01:32	WG1510393
1,2-Dichloropropane	U		0.00156	0.00548	1	07/17/2020 01:32	WG1510393
1,1-Dichloropropene	U		0.000887	0.00274	1	07/17/2020 01:32	WG1510393
1,3-Dichloropropane	U		0.000549	0.00548	1	07/17/2020 01:32	WG1510393
cis-1,3-Dichloropropene	U		0.000830	0.00274	1	07/17/2020 01:32	WG1510393
trans-1,3-Dichloropropene	U		0.00125	0.00548	1	07/17/2020 01:32	WG1510393
trans-1,4-Dichloro-2-butene	U		0.00204	0.00548	1	07/17/2020 01:32	WG1510393
2,2-Dichloropropane	U		0.00151	0.00274	1	07/17/2020 01:32	WG1510393
Di-isopropyl ether	U		0.000449	0.00110	1	07/17/2020 01:32	WG1510393
Ethylbenzene	U		0.000808	0.00274	1	07/17/2020 01:32	WG1510393
Hexachloro-1,3-butadiene	U		0.00658	0.0274	1	07/17/2020 01:32	WG1510393
2-Hexanone	U		0.00368	0.0274	1	07/17/2020 01:32	WG1510393
n-Hexane	U	J4	0.00248	0.00548	1	07/17/2020 01:32	WG1510393
Iodomethane	U		0.00254	0.0137	1	07/17/2020 01:32	WG1510393
Isopropylbenzene	U		0.000466	0.00274	1	07/17/2020 01:32	WG1510393
p-Isopropyltoluene	U		0.00279	0.00548	1	07/17/2020 01:32	WG1510393
2-Butanone (MEK)	U		0.0696	0.110	1	07/17/2020 01:32	WG1510393
Methylene Chloride	U		0.00728	0.0274	1	07/17/2020 01:32	WG1510393
4-Methyl-2-pentanone (MIBK)	U		0.00250	0.0274	1	07/17/2020 01:32	WG1510393

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		0.000384	0.00110	1	07/17/2020 01:32	WG1510393
Naphthalene	U		0.00535	0.0137	1	07/17/2020 01:32	WG1510393
n-Propylbenzene	U		0.00104	0.00548	1	07/17/2020 01:32	WG1510393
Styrene	U		0.000251	0.0137	1	07/17/2020 01:32	WG1510393
1,1,1,2-Tetrachloroethane	U		0.00104	0.00274	1	07/17/2020 01:32	WG1510393
1,1,2,2-Tetrachloroethane	U		0.000762	0.00274	1	07/17/2020 01:32	WG1510393
1,1,2-Trichlorotrifluoroethane	U		0.000826	0.00274	1	07/17/2020 01:32	WG1510393
Tetrachloroethene	0.00117	J	0.000982	0.00274	1	07/17/2020 01:32	WG1510393
Toluene	U		0.00142	0.00548	1	07/17/2020 01:32	WG1510393
1,2,3-Trichlorobenzene	U		0.00803	0.0137	1	07/17/2020 01:32	WG1510393
1,2,4-Trichlorobenzene	U		0.00482	0.0137	1	07/17/2020 01:32	WG1510393
1,1,1-Trichloroethane	U		0.00101	0.00274	1	07/17/2020 01:32	WG1510393
1,1,2-Trichloroethane	U		0.000654	0.00274	1	07/17/2020 01:32	WG1510393
Trichloroethene	U		0.000640	0.00110	1	07/17/2020 01:32	WG1510393
Trichlorofluoromethane	U		0.000906	0.00274	1	07/17/2020 01:32	WG1510393
1,2,3-Trichloropropane	U		0.00178	0.0137	1	07/17/2020 01:32	WG1510393
1,2,4-Trimethylbenzene	U		0.00173	0.00548	1	07/17/2020 01:32	WG1510393
1,2,3-Trimethylbenzene	U		0.00173	0.00548	1	07/17/2020 01:32	WG1510393
1,3,5-Trimethylbenzene	U		0.00219	0.00548	1	07/17/2020 01:32	WG1510393
Vinyl acetate	U		0.00278	0.0137	1	07/17/2020 01:32	WG1510393
Vinyl chloride	U		0.00127	0.00274	1	07/17/2020 01:32	WG1510393
Xylenes, Total	U		0.000964	0.00712	1	07/17/2020 01:32	WG1510393
(S) Toluene-d8	*105*			*75.0-131*		*07/17/2020 01:32*	WG1510393
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*07/17/2020 01:32*	WG1510393
(S) 1,2-Dichloroethane-d4	*97.7*			*70.0-130*		*07/17/2020 01:32*	WG1510393

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	67.7		1	07/15/2020 21:43	WG1509525

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	J3	0.0746	0.102	1.06	07/17/2020 01:52	WG1510393
Acrylonitrile	U		0.00738	0.0256	1.06	07/17/2020 01:52	WG1510393
Benzene	0.00128	J	0.000954	0.00204	1.06	07/17/2020 01:52	WG1510393
Bromobenzene	U		0.00184	0.0256	1.06	07/17/2020 01:52	WG1510393
Bromodichloromethane	U		0.00148	0.00511	1.06	07/17/2020 01:52	WG1510393
Bromochloromethane	U		0.00115	0.0102	1.06	07/17/2020 01:52	WG1510393
Bromoform	U		0.00239	0.0511	1.06	07/17/2020 01:52	WG1510393
Bromomethane	U		0.00403	0.0256	1.06	07/17/2020 01:52	WG1510393
n-Butylbenzene	U		0.0107	0.0256	1.06	07/17/2020 01:52	WG1510393
sec-Butylbenzene	U		0.00588	0.0256	1.06	07/17/2020 01:52	WG1510393
tert-Butylbenzene	U		0.00399	0.0102	1.06	07/17/2020 01:52	WG1510393
Carbon disulfide	U	J3	0.00143	0.0256	1.06	07/17/2020 01:52	WG1510393
Carbon tetrachloride	U		0.00183	0.0102	1.06	07/17/2020 01:52	WG1510393
Chlorobenzene	U		0.000430	0.00511	1.06	07/17/2020 01:52	WG1510393
Chlorodibromomethane	U		0.00125	0.00511	1.06	07/17/2020 01:52	WG1510393
Chloroethane	U		0.00347	0.0102	1.06	07/17/2020 01:52	WG1510393
Chloroform	U		0.00210	0.00511	1.06	07/17/2020 01:52	WG1510393
Chloromethane	U		0.00888	0.0256	1.06	07/17/2020 01:52	WG1510393
2-Chlorotoluene	U		0.00177	0.00511	1.06	07/17/2020 01:52	WG1510393
4-Chlorotoluene	U		0.000919	0.0102	1.06	07/17/2020 01:52	WG1510393
1,2-Dibromo-3-Chloropropane	U		0.00796	0.0511	1.06	07/17/2020 01:52	WG1510393
1,2-Dibromoethane	U		0.00132	0.00511	1.06	07/17/2020 01:52	WG1510393
Dibromomethane	U		0.00153	0.0102	1.06	07/17/2020 01:52	WG1510393
1,2-Dichlorobenzene	U		0.000869	0.0102	1.06	07/17/2020 01:52	WG1510393
1,3-Dichlorobenzene	U		0.00123	0.0102	1.06	07/17/2020 01:52	WG1510393
1,4-Dichlorobenzene	U		0.00143	0.0102	1.06	07/17/2020 01:52	WG1510393
Dichlorodifluoromethane	U		0.00330	0.00511	1.06	07/17/2020 01:52	WG1510393
1,1-Dichloroethane	U		0.00100	0.00511	1.06	07/17/2020 01:52	WG1510393
1,2-Dichloroethane	U		0.00133	0.00511	1.06	07/17/2020 01:52	WG1510393
1,1-Dichloroethene	U		0.00124	0.00511	1.06	07/17/2020 01:52	WG1510393
cis-1,2-Dichloroethene	U		0.00150	0.00511	1.06	07/17/2020 01:52	WG1510393
trans-1,2-Dichloroethene	U		0.00212	0.0102	1.06	07/17/2020 01:52	WG1510393
1,2-Dichloropropane	U		0.00291	0.0102	1.06	07/17/2020 01:52	WG1510393
1,1-Dichloropropene	U		0.00165	0.00511	1.06	07/17/2020 01:52	WG1510393
1,3-Dichloropropane	U		0.00102	0.0102	1.06	07/17/2020 01:52	WG1510393
cis-1,3-Dichloropropene	U		0.00155	0.00511	1.06	07/17/2020 01:52	WG1510393
trans-1,3-Dichloropropene	U		0.00233	0.0102	1.06	07/17/2020 01:52	WG1510393
trans-1,4-Dichloro-2-butene	U		0.00380	0.0102	1.06	07/17/2020 01:52	WG1510393
2,2-Dichloropropane	U		0.00281	0.00511	1.06	07/17/2020 01:52	WG1510393
Di-isopropyl ether	U		0.000838	0.00204	1.06	07/17/2020 01:52	WG1510393
Ethylbenzene	U		0.00151	0.00511	1.06	07/17/2020 01:52	WG1510393
Hexachloro-1,3-butadiene	U		0.0123	0.0511	1.06	07/17/2020 01:52	WG1510393
2-Hexanone	U		0.00686	0.0511	1.06	07/17/2020 01:52	WG1510393
n-Hexane	0.00516	J J4	0.00462	0.0102	1.06	07/17/2020 01:52	WG1510393
Iodomethane	U		0.00474	0.0256	1.06	07/17/2020 01:52	WG1510393
Isopropylbenzene	U		0.000869	0.00511	1.06	07/17/2020 01:52	WG1510393
p-Isopropyltoluene	0.0157		0.00520	0.0102	1.06	07/17/2020 01:52	WG1510393
2-Butanone (MEK)	U		0.130	0.204	1.06	07/17/2020 01:52	WG1510393
Methylene Chloride	U		0.0136	0.0511	1.06	07/17/2020 01:52	WG1510393
4-Methyl-2-pentanone (MIBK)	U		0.00466	0.0511	1.06	07/17/2020 01:52	WG1510393

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		0.000715	0.00204	1.06	07/17/2020 01:52	WG1510393
Naphthalene	U		0.00996	0.0256	1.06	07/17/2020 01:52	WG1510393
n-Propylbenzene	U		0.00195	0.0102	1.06	07/17/2020 01:52	WG1510393
Styrene	U		0.000468	0.0256	1.06	07/17/2020 01:52	WG1510393
1,1,1,2-Tetrachloroethane	U		0.00193	0.00511	1.06	07/17/2020 01:52	WG1510393
1,1,2,2-Tetrachloroethane	U		0.00142	0.00511	1.06	07/17/2020 01:52	WG1510393
1,1,2-Trichlorotrifluoroethane	U		0.00154	0.00511	1.06	07/17/2020 01:52	WG1510393
Tetrachloroethene	0.00705		0.00183	0.00511	1.06	07/17/2020 01:52	WG1510393
Toluene	0.00520	J	0.00266	0.0102	1.06	07/17/2020 01:52	WG1510393
1,2,3-Trichlorobenzene	U		0.0150	0.0256	1.06	07/17/2020 01:52	WG1510393
1,2,4-Trichlorobenzene	U		0.00898	0.0256	1.06	07/17/2020 01:52	WG1510393
1,1,1-Trichloroethane	U		0.00188	0.00511	1.06	07/17/2020 01:52	WG1510393
1,1,2-Trichloroethane	U		0.00122	0.00511	1.06	07/17/2020 01:52	WG1510393
Trichloroethene	U		0.00119	0.00204	1.06	07/17/2020 01:52	WG1510393
Trichlorofluoromethane	U		0.00169	0.00511	1.06	07/17/2020 01:52	WG1510393
1,2,3-Trichloropropane	U		0.00331	0.0256	1.06	07/17/2020 01:52	WG1510393
1,2,4-Trimethylbenzene	0.00495	J	0.00322	0.0102	1.06	07/17/2020 01:52	WG1510393
1,2,3-Trimethylbenzene	0.00489	J	0.00322	0.0102	1.06	07/17/2020 01:52	WG1510393
1,3,5-Trimethylbenzene	U		0.00409	0.0102	1.06	07/17/2020 01:52	WG1510393
Vinyl acetate	U		0.00518	0.0256	1.06	07/17/2020 01:52	WG1510393
Vinyl chloride	U		0.00237	0.00511	1.06	07/17/2020 01:52	WG1510393
Xylenes, Total	0.0113	J	0.00180	0.0133	1.06	07/17/2020 01:52	WG1510393
(S) Toluene-d8	*109*			*75.0-131*		*07/17/2020 01:52*	WG1510393
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*07/17/2020 01:52*	WG1510393
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*07/17/2020 01:52*	WG1510393

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.5		1	07/15/2020 21:43	WG1509525

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	J3	0.0552	0.0756	1	07/17/2020 02:12	WG1510393
Acrylonitrile	U		0.00546	0.0189	1	07/17/2020 02:12	WG1510393
Benzene	U		0.000706	0.00151	1	07/17/2020 02:12	WG1510393
Bromobenzene	U		0.00136	0.0189	1	07/17/2020 02:12	WG1510393
Bromodichloromethane	U		0.00110	0.00378	1	07/17/2020 02:12	WG1510393
Bromochloromethane	U		0.000853	0.00756	1	07/17/2020 02:12	WG1510393
Bromoform	U		0.00177	0.0378	1	07/17/2020 02:12	WG1510393
Bromomethane	U		0.00298	0.0189	1	07/17/2020 02:12	WG1510393
n-Butylbenzene	U		0.00794	0.0189	1	07/17/2020 02:12	WG1510393
sec-Butylbenzene	U		0.00435	0.0189	1	07/17/2020 02:12	WG1510393
tert-Butylbenzene	U		0.00295	0.00756	1	07/17/2020 02:12	WG1510393
Carbon disulfide	0.00177	J J3	0.00106	0.0189	1	07/17/2020 02:12	WG1510393
Carbon tetrachloride	U		0.00136	0.00756	1	07/17/2020 02:12	WG1510393
Chlorobenzene	U		0.000318	0.00378	1	07/17/2020 02:12	WG1510393
Chlorodibromomethane	U		0.000925	0.00378	1	07/17/2020 02:12	WG1510393
Chloroethane	U		0.00257	0.00756	1	07/17/2020 02:12	WG1510393
Chloroform	U		0.00156	0.00378	1	07/17/2020 02:12	WG1510393
Chloromethane	U		0.00658	0.0189	1	07/17/2020 02:12	WG1510393
2-Chlorotoluene	U		0.00131	0.00378	1	07/17/2020 02:12	WG1510393
4-Chlorotoluene	U		0.000680	0.00756	1	07/17/2020 02:12	WG1510393
1,2-Dibromo-3-Chloropropane	U		0.00590	0.0378	1	07/17/2020 02:12	WG1510393
1,2-Dibromoethane	U		0.000980	0.00378	1	07/17/2020 02:12	WG1510393
Dibromomethane	U		0.00113	0.00756	1	07/17/2020 02:12	WG1510393
1,2-Dichlorobenzene	U		0.000643	0.00756	1	07/17/2020 02:12	WG1510393
1,3-Dichlorobenzene	U		0.000907	0.00756	1	07/17/2020 02:12	WG1510393
1,4-Dichlorobenzene	U		0.00106	0.00756	1	07/17/2020 02:12	WG1510393
Dichlorodifluoromethane	U		0.00243	0.00378	1	07/17/2020 02:12	WG1510393
1,1-Dichloroethane	U		0.000742	0.00378	1	07/17/2020 02:12	WG1510393
1,2-Dichloroethane	U		0.000981	0.00378	1	07/17/2020 02:12	WG1510393
1,1-Dichloroethene	U		0.000916	0.00378	1	07/17/2020 02:12	WG1510393
cis-1,2-Dichloroethene	U		0.00111	0.00378	1	07/17/2020 02:12	WG1510393
trans-1,2-Dichloroethene	U		0.00157	0.00756	1	07/17/2020 02:12	WG1510393
1,2-Dichloropropane	U		0.00215	0.00756	1	07/17/2020 02:12	WG1510393
1,1-Dichloropropene	U		0.00122	0.00378	1	07/17/2020 02:12	WG1510393
1,3-Dichloropropane	U		0.000757	0.00756	1	07/17/2020 02:12	WG1510393
cis-1,3-Dichloropropene	U		0.00114	0.00378	1	07/17/2020 02:12	WG1510393
trans-1,3-Dichloropropene	U		0.00172	0.00756	1	07/17/2020 02:12	WG1510393
trans-1,4-Dichloro-2-butene	U		0.00281	0.00756	1	07/17/2020 02:12	WG1510393
2,2-Dichloropropane	U		0.00209	0.00378	1	07/17/2020 02:12	WG1510393
Di-isopropyl ether	U		0.000620	0.00151	1	07/17/2020 02:12	WG1510393
Ethylbenzene	U		0.00111	0.00378	1	07/17/2020 02:12	WG1510393
Hexachloro-1,3-butadiene	U		0.00907	0.0378	1	07/17/2020 02:12	WG1510393
2-Hexanone	U		0.00508	0.0378	1	07/17/2020 02:12	WG1510393
n-Hexane	U	J4	0.00342	0.00756	1	07/17/2020 02:12	WG1510393
Iodomethane	U		0.00351	0.0189	1	07/17/2020 02:12	WG1510393
Isopropylbenzene	U		0.000643	0.00378	1	07/17/2020 02:12	WG1510393
p-Isopropyltoluene	U		0.00386	0.00756	1	07/17/2020 02:12	WG1510393
2-Butanone (MEK)	U		0.0960	0.151	1	07/17/2020 02:12	WG1510393
Methylene Chloride	U		0.0100	0.0378	1	07/17/2020 02:12	WG1510393
4-Methyl-2-pentanone (MIBK)	U		0.00345	0.0378	1	07/17/2020 02:12	WG1510393

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		0.000529	0.00151	1	07/17/2020 02:12	WG1510393
Naphthalene	U		0.00738	0.0189	1	07/17/2020 02:12	WG1510393
n-Propylbenzene	U		0.00144	0.00756	1	07/17/2020 02:12	WG1510393
Styrene	U		0.000346	0.0189	1	07/17/2020 02:12	WG1510393
1,1,1,2-Tetrachloroethane	U		0.00143	0.00378	1	07/17/2020 02:12	WG1510393
1,1,2,2-Tetrachloroethane	U		0.00105	0.00378	1	07/17/2020 02:12	WG1510393
1,1,2-Trichlorotrifluoroethane	U		0.00114	0.00378	1	07/17/2020 02:12	WG1510393
Tetrachloroethene	U		0.00135	0.00378	1	07/17/2020 02:12	WG1510393
Toluene	U		0.00197	0.00756	1	07/17/2020 02:12	WG1510393
1,2,3-Trichlorobenzene	U		0.0111	0.0189	1	07/17/2020 02:12	WG1510393
1,2,4-Trichlorobenzene	U		0.00665	0.0189	1	07/17/2020 02:12	WG1510393
1,1,1-Trichloroethane	U		0.00140	0.00378	1	07/17/2020 02:12	WG1510393
1,1,2-Trichloroethane	U		0.000903	0.00378	1	07/17/2020 02:12	WG1510393
Trichloroethene	U		0.000883	0.00151	1	07/17/2020 02:12	WG1510393
Trichlorofluoromethane	U		0.00125	0.00378	1	07/17/2020 02:12	WG1510393
1,2,3-Trichloropropane	U		0.00245	0.0189	1	07/17/2020 02:12	WG1510393
1,2,4-Trimethylbenzene	U		0.00239	0.00756	1	07/17/2020 02:12	WG1510393
1,2,3-Trimethylbenzene	U		0.00239	0.00756	1	07/17/2020 02:12	WG1510393
1,3,5-Trimethylbenzene	U		0.00302	0.00756	1	07/17/2020 02:12	WG1510393
Vinyl acetate	U		0.00384	0.0189	1	07/17/2020 02:12	WG1510393
Vinyl chloride	U		0.00175	0.00378	1	07/17/2020 02:12	WG1510393
Xylenes, Total	U		0.00133	0.00983	1	07/17/2020 02:12	WG1510393
(S) Toluene-d8	*106*			*75.0-131*		*07/17/2020 02:12*	WG1510393
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*07/17/2020 02:12*	WG1510393
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*07/17/2020 02:12*	WG1510393

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	07/15/2020 21:43	WG1509525

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	J3	0.0396	0.0543	1	07/17/2020 02:32	WG1510393
Acrylonitrile	U		0.00392	0.0136	1	07/17/2020 02:32	WG1510393
Benzene	U		0.000507	0.00109	1	07/17/2020 02:32	WG1510393
Bromobenzene	U		0.000977	0.0136	1	07/17/2020 02:32	WG1510393
Bromodichloromethane	U		0.000787	0.00271	1	07/17/2020 02:32	WG1510393
Bromochloromethane	U		0.000612	0.00543	1	07/17/2020 02:32	WG1510393
Bromoform	U		0.00127	0.0271	1	07/17/2020 02:32	WG1510393
Bromomethane	U		0.00214	0.0136	1	07/17/2020 02:32	WG1510393
n-Butylbenzene	U		0.00570	0.0136	1	07/17/2020 02:32	WG1510393
sec-Butylbenzene	U		0.00313	0.0136	1	07/17/2020 02:32	WG1510393
tert-Butylbenzene	U		0.00212	0.00543	1	07/17/2020 02:32	WG1510393
Carbon disulfide	U	J3	0.000760	0.0136	1	07/17/2020 02:32	WG1510393
Carbon tetrachloride	U		0.000975	0.00543	1	07/17/2020 02:32	WG1510393
Chlorobenzene	U		0.000228	0.00271	1	07/17/2020 02:32	WG1510393
Chlorodibromomethane	U		0.000664	0.00271	1	07/17/2020 02:32	WG1510393
Chloroethane	U		0.00185	0.00543	1	07/17/2020 02:32	WG1510393
Chloroform	U		0.00112	0.00271	1	07/17/2020 02:32	WG1510393
Chloromethane	U		0.00472	0.0136	1	07/17/2020 02:32	WG1510393
2-Chlorotoluene	U		0.000939	0.00271	1	07/17/2020 02:32	WG1510393
4-Chlorotoluene	U		0.000488	0.00543	1	07/17/2020 02:32	WG1510393
1,2-Dibromo-3-Chloropropane	U		0.00423	0.0271	1	07/17/2020 02:32	WG1510393
1,2-Dibromoethane	U		0.000703	0.00271	1	07/17/2020 02:32	WG1510393
Dibromomethane	U		0.000814	0.00543	1	07/17/2020 02:32	WG1510393
1,2-Dichlorobenzene	U		0.000461	0.00543	1	07/17/2020 02:32	WG1510393
1,3-Dichlorobenzene	U		0.000651	0.00543	1	07/17/2020 02:32	WG1510393
1,4-Dichlorobenzene	U		0.000760	0.00543	1	07/17/2020 02:32	WG1510393
Dichlorodifluoromethane	U		0.00175	0.00271	1	07/17/2020 02:32	WG1510393
1,1-Dichloroethane	U		0.000533	0.00271	1	07/17/2020 02:32	WG1510393
1,2-Dichloroethane	U		0.000705	0.00271	1	07/17/2020 02:32	WG1510393
1,1-Dichloroethene	U		0.000658	0.00271	1	07/17/2020 02:32	WG1510393
cis-1,2-Dichloroethene	U		0.000797	0.00271	1	07/17/2020 02:32	WG1510393
trans-1,2-Dichloroethene	U		0.00113	0.00543	1	07/17/2020 02:32	WG1510393
1,2-Dichloropropane	U		0.00154	0.00543	1	07/17/2020 02:32	WG1510393
1,1-Dichloropropene	U		0.000878	0.00271	1	07/17/2020 02:32	WG1510393
1,3-Dichloropropane	U		0.000544	0.00543	1	07/17/2020 02:32	WG1510393
cis-1,3-Dichloropropene	U		0.000822	0.00271	1	07/17/2020 02:32	WG1510393
trans-1,3-Dichloropropene	U		0.00124	0.00543	1	07/17/2020 02:32	WG1510393
trans-1,4-Dichloro-2-butene	U		0.00202	0.00543	1	07/17/2020 02:32	WG1510393
2,2-Dichloropropane	U		0.00150	0.00271	1	07/17/2020 02:32	WG1510393
Di-isopropyl ether	U		0.000445	0.00109	1	07/17/2020 02:32	WG1510393
Ethylbenzene	U		0.000800	0.00271	1	07/17/2020 02:32	WG1510393
Hexachloro-1,3-butadiene	U		0.00651	0.0271	1	07/17/2020 02:32	WG1510393
2-Hexanone	U		0.00365	0.0271	1	07/17/2020 02:32	WG1510393
n-Hexane	U	J4	0.00245	0.00543	1	07/17/2020 02:32	WG1510393
Iodomethane	U		0.00252	0.0136	1	07/17/2020 02:32	WG1510393
Isopropylbenzene	U		0.000461	0.00271	1	07/17/2020 02:32	WG1510393
p-Isopropyltoluene	U		0.00277	0.00543	1	07/17/2020 02:32	WG1510393
2-Butanone (MEK)	U		0.0689	0.109	1	07/17/2020 02:32	WG1510393
Methylene Chloride	U		0.00721	0.0271	1	07/17/2020 02:32	WG1510393
4-Methyl-2-pentanone (MIBK)	U		0.00248	0.0271	1	07/17/2020 02:32	WG1510393

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	07/17/2020 02:32	WG1510393
Naphthalene	U		0.00530	0.0136	1	07/17/2020 02:32	WG1510393
n-Propylbenzene	U		0.00103	0.00543	1	07/17/2020 02:32	WG1510393
Styrene	U		0.000249	0.0136	1	07/17/2020 02:32	WG1510393
1,1,1,2-Tetrachloroethane	U		0.00103	0.00271	1	07/17/2020 02:32	WG1510393
1,1,2,2-Tetrachloroethane	U		0.000754	0.00271	1	07/17/2020 02:32	WG1510393
1,1,2-Trichlorotrifluoroethane	U		0.000819	0.00271	1	07/17/2020 02:32	WG1510393
Tetrachloroethene	U		0.000973	0.00271	1	07/17/2020 02:32	WG1510393
Toluene	U		0.00141	0.00543	1	07/17/2020 02:32	WG1510393
1,2,3-Trichlorobenzene	U		0.00796	0.0136	1	07/17/2020 02:32	WG1510393
1,2,4-Trichlorobenzene	U		0.00478	0.0136	1	07/17/2020 02:32	WG1510393
1,1,1-Trichloroethane	U		0.00100	0.00271	1	07/17/2020 02:32	WG1510393
1,1,2-Trichloroethane	U		0.000648	0.00271	1	07/17/2020 02:32	WG1510393
Trichloroethene	U		0.000634	0.00109	1	07/17/2020 02:32	WG1510393
Trichlorofluoromethane	U		0.000898	0.00271	1	07/17/2020 02:32	WG1510393
1,2,3-Trichloropropane	U		0.00176	0.0136	1	07/17/2020 02:32	WG1510393
1,2,4-Trimethylbenzene	U		0.00172	0.00543	1	07/17/2020 02:32	WG1510393
1,2,3-Trimethylbenzene	U		0.00172	0.00543	1	07/17/2020 02:32	WG1510393
1,3,5-Trimethylbenzene	U		0.00217	0.00543	1	07/17/2020 02:32	WG1510393
Vinyl acetate	U		0.00276	0.0136	1	07/17/2020 02:32	WG1510393
Vinyl chloride	U		0.00126	0.00271	1	07/17/2020 02:32	WG1510393
Xylenes, Total	U		0.000955	0.00706	1	07/17/2020 02:32	WG1510393
(S) Toluene-d8	*110*			*75.0-131*		*07/17/2020 02:32*	WG1510393
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*07/17/2020 02:32*	WG1510393
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*07/17/2020 02:32*	WG1510393

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.0		1	07/15/2020 21:43	WG1509525

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	J3	0.0481	0.0659	1	07/17/2020 02:52	WG1510393
Acrylonitrile	U		0.00475	0.0165	1	07/17/2020 02:52	WG1510393
Benzene	U		0.000615	0.00132	1	07/17/2020 02:52	WG1510393
Bromobenzene	U		0.00119	0.0165	1	07/17/2020 02:52	WG1510393
Bromodichloromethane	U		0.000955	0.00329	1	07/17/2020 02:52	WG1510393
Bromochloromethane	U		0.000743	0.00659	1	07/17/2020 02:52	WG1510393
Bromoform	U		0.00154	0.0329	1	07/17/2020 02:52	WG1510393
Bromomethane	U		0.00259	0.0165	1	07/17/2020 02:52	WG1510393
n-Butylbenzene	U		0.00691	0.0165	1	07/17/2020 02:52	WG1510393
sec-Butylbenzene	U		0.00379	0.0165	1	07/17/2020 02:52	WG1510393
tert-Butylbenzene	U		0.00257	0.00659	1	07/17/2020 02:52	WG1510393
Carbon disulfide	U	J3	0.000922	0.0165	1	07/17/2020 02:52	WG1510393
Carbon tetrachloride	U		0.00118	0.00659	1	07/17/2020 02:52	WG1510393
Chlorobenzene	U		0.000277	0.00329	1	07/17/2020 02:52	WG1510393
Chlorodibromomethane	U		0.000806	0.00329	1	07/17/2020 02:52	WG1510393
Chloroethane	U		0.00224	0.00659	1	07/17/2020 02:52	WG1510393
Chloroform	U		0.00136	0.00329	1	07/17/2020 02:52	WG1510393
Chloromethane	U		0.00573	0.0165	1	07/17/2020 02:52	WG1510393
2-Chlorotoluene	U		0.00114	0.00329	1	07/17/2020 02:52	WG1510393
4-Chlorotoluene	U		0.000593	0.00659	1	07/17/2020 02:52	WG1510393
1,2-Dibromo-3-Chloropropane	U		0.00514	0.0329	1	07/17/2020 02:52	WG1510393
1,2-Dibromoethane	U		0.000853	0.00329	1	07/17/2020 02:52	WG1510393
Dibromomethane	U		0.000988	0.00659	1	07/17/2020 02:52	WG1510393
1,2-Dichlorobenzene	U		0.000560	0.00659	1	07/17/2020 02:52	WG1510393
1,3-Dichlorobenzene	U		0.000790	0.00659	1	07/17/2020 02:52	WG1510393
1,4-Dichlorobenzene	U		0.000922	0.00659	1	07/17/2020 02:52	WG1510393
Dichlorodifluoromethane	U		0.00212	0.00329	1	07/17/2020 02:52	WG1510393
1,1-Dichloroethane	U		0.000647	0.00329	1	07/17/2020 02:52	WG1510393
1,2-Dichloroethane	U		0.000855	0.00329	1	07/17/2020 02:52	WG1510393
1,1-Dichloroethene	U		0.000798	0.00329	1	07/17/2020 02:52	WG1510393
cis-1,2-Dichloroethene	U		0.000967	0.00329	1	07/17/2020 02:52	WG1510393
trans-1,2-Dichloroethene	U		0.00137	0.00659	1	07/17/2020 02:52	WG1510393
1,2-Dichloropropane	U		0.00187	0.00659	1	07/17/2020 02:52	WG1510393
1,1-Dichloropropene	U		0.00107	0.00329	1	07/17/2020 02:52	WG1510393
1,3-Dichloropropane	U		0.000660	0.00659	1	07/17/2020 02:52	WG1510393
cis-1,3-Dichloropropene	U		0.000997	0.00329	1	07/17/2020 02:52	WG1510393
trans-1,3-Dichloropropene	U		0.00150	0.00659	1	07/17/2020 02:52	WG1510393
trans-1,4-Dichloro-2-butene	U		0.00245	0.00659	1	07/17/2020 02:52	WG1510393
2,2-Dichloropropane	U		0.00182	0.00329	1	07/17/2020 02:52	WG1510393
Di-isopropyl ether	U		0.000540	0.00132	1	07/17/2020 02:52	WG1510393
Ethylbenzene	U		0.000971	0.00329	1	07/17/2020 02:52	WG1510393
Hexachloro-1,3-butadiene	U		0.00790	0.0329	1	07/17/2020 02:52	WG1510393
2-Hexanone	U		0.00443	0.0329	1	07/17/2020 02:52	WG1510393
n-Hexane	U	J4	0.00298	0.00659	1	07/17/2020 02:52	WG1510393
Iodomethane	U		0.00306	0.0165	1	07/17/2020 02:52	WG1510393
Isopropylbenzene	U		0.000560	0.00329	1	07/17/2020 02:52	WG1510393
p-Isopropyltoluene	U		0.00336	0.00659	1	07/17/2020 02:52	WG1510393
2-Butanone (MEK)	U		0.0836	0.132	1	07/17/2020 02:52	WG1510393
Methylene Chloride	U		0.00875	0.0329	1	07/17/2020 02:52	WG1510393
4-Methyl-2-pentanone (MIBK)	U		0.00300	0.0329	1	07/17/2020 02:52	WG1510393

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		0.000461	0.00132	1	07/17/2020 02:52	WG1510393
Naphthalene	U		0.00643	0.0165	1	07/17/2020 02:52	WG1510393
n-Propylbenzene	U		0.00125	0.00659	1	07/17/2020 02:52	WG1510393
Styrene	U		0.000302	0.0165	1	07/17/2020 02:52	WG1510393
1,1,1,2-Tetrachloroethane	U		0.00125	0.00329	1	07/17/2020 02:52	WG1510393
1,1,2,2-Tetrachloroethane	U		0.000915	0.00329	1	07/17/2020 02:52	WG1510393
1,1,2-Trichlorotrifluoroethane	U		0.000993	0.00329	1	07/17/2020 02:52	WG1510393
Tetrachloroethene	0.0100		0.00118	0.00329	1	07/17/2020 02:52	WG1510393
Toluene	U		0.00171	0.00659	1	07/17/2020 02:52	WG1510393
1,2,3-Trichlorobenzene	U		0.00965	0.0165	1	07/17/2020 02:52	WG1510393
1,2,4-Trichlorobenzene	U		0.00580	0.0165	1	07/17/2020 02:52	WG1510393
1,1,1-Trichloroethane	U		0.00122	0.00329	1	07/17/2020 02:52	WG1510393
1,1,2-Trichloroethane	U		0.000786	0.00329	1	07/17/2020 02:52	WG1510393
Trichloroethene	U		0.000769	0.00132	1	07/17/2020 02:52	WG1510393
Trichlorofluoromethane	U		0.00109	0.00329	1	07/17/2020 02:52	WG1510393
1,2,3-Trichloropropane	U		0.00213	0.0165	1	07/17/2020 02:52	WG1510393
1,2,4-Trimethylbenzene	U		0.00208	0.00659	1	07/17/2020 02:52	WG1510393
1,2,3-Trimethylbenzene	U		0.00208	0.00659	1	07/17/2020 02:52	WG1510393
1,3,5-Trimethylbenzene	U		0.00263	0.00659	1	07/17/2020 02:52	WG1510393
Vinyl acetate	U		0.00335	0.0165	1	07/17/2020 02:52	WG1510393
Vinyl chloride	U		0.00153	0.00329	1	07/17/2020 02:52	WG1510393
Xylenes, Total	U		0.00116	0.00856	1	07/17/2020 02:52	WG1510393
(S) Toluene-d8	*107*			*75.0-131*		*07/17/2020 02:52*	WG1510393
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*07/17/2020 02:52*	WG1510393
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*07/17/2020 02:52*	WG1510393

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.4		1	07/15/2020 21:43	WG1509525

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		0.0534	0.0732	1	07/17/2020 05:45	WG1510584
Acrylonitrile	U		0.00528	0.0183	1	07/17/2020 05:45	WG1510584
Benzene	U		0.000684	0.00146	1	07/17/2020 05:45	WG1510584
Bromobenzene	U		0.00132	0.0183	1	07/17/2020 05:45	WG1510584
Bromodichloromethane	U		0.00106	0.00366	1	07/17/2020 05:45	WG1510584
Bromochloromethane	U		0.000825	0.00732	1	07/17/2020 05:45	WG1510584
Bromoform	U		0.00171	0.0366	1	07/17/2020 05:45	WG1510584
Bromomethane	U		0.00288	0.0183	1	07/17/2020 05:45	WG1510584
n-Butylbenzene	U		0.00768	0.0183	1	07/17/2020 05:45	WG1510584
sec-Butylbenzene	U		0.00422	0.0183	1	07/17/2020 05:45	WG1510584
tert-Butylbenzene	U		0.00285	0.00732	1	07/17/2020 05:45	WG1510584
Carbon disulfide	U		0.00102	0.0183	1	07/17/2020 05:45	WG1510584
Carbon tetrachloride	U		0.00131	0.00732	1	07/17/2020 05:45	WG1510584
Chlorobenzene	U		0.000307	0.00366	1	07/17/2020 05:45	WG1510584
Chlorodibromomethane	U		0.000896	0.00366	1	07/17/2020 05:45	WG1510584
Chloroethane	U		0.00249	0.00732	1	07/17/2020 05:45	WG1510584
Chloroform	U	J4	0.00151	0.00366	1	07/17/2020 05:45	WG1510584
Chloromethane	U		0.00637	0.0183	1	07/17/2020 05:45	WG1510584
2-Chlorotoluene	U		0.00127	0.00366	1	07/17/2020 05:45	WG1510584
4-Chlorotoluene	U		0.000659	0.00732	1	07/17/2020 05:45	WG1510584
1,2-Dibromo-3-Chloropropane	U		0.00571	0.0366	1	07/17/2020 05:45	WG1510584
1,2-Dibromoethane	U		0.000948	0.00366	1	07/17/2020 05:45	WG1510584
Dibromomethane	U		0.00110	0.00732	1	07/17/2020 05:45	WG1510584
1,2-Dichlorobenzene	U		0.000622	0.00732	1	07/17/2020 05:45	WG1510584
1,3-Dichlorobenzene	U		0.000878	0.00732	1	07/17/2020 05:45	WG1510584
1,4-Dichlorobenzene	U		0.00102	0.00732	1	07/17/2020 05:45	WG1510584
Dichlorodifluoromethane	U		0.00236	0.00366	1	07/17/2020 05:45	WG1510584
1,1-Dichloroethane	U		0.000719	0.00366	1	07/17/2020 05:45	WG1510584
1,2-Dichloroethane	U		0.000950	0.00366	1	07/17/2020 05:45	WG1510584
1,1-Dichloroethene	U		0.000887	0.00366	1	07/17/2020 05:45	WG1510584
cis-1,2-Dichloroethene	U		0.00107	0.00366	1	07/17/2020 05:45	WG1510584
trans-1,2-Dichloroethene	U		0.00152	0.00732	1	07/17/2020 05:45	WG1510584
1,2-Dichloropropane	U		0.00208	0.00732	1	07/17/2020 05:45	WG1510584
1,1-Dichloropropene	U		0.00118	0.00366	1	07/17/2020 05:45	WG1510584
1,3-Dichloropropane	U		0.000733	0.00732	1	07/17/2020 05:45	WG1510584
cis-1,3-Dichloropropene	U		0.00111	0.00366	1	07/17/2020 05:45	WG1510584
trans-1,3-Dichloropropene	U		0.00167	0.00732	1	07/17/2020 05:45	WG1510584
trans-1,4-Dichloro-2-butene	U		0.00272	0.00732	1	07/17/2020 05:45	WG1510584
2,2-Dichloropropane	U		0.00202	0.00366	1	07/17/2020 05:45	WG1510584
Di-isopropyl ether	U		0.000600	0.00146	1	07/17/2020 05:45	WG1510584
Ethylbenzene	U		0.00108	0.00366	1	07/17/2020 05:45	WG1510584
Hexachloro-1,3-butadiene	U		0.00878	0.0366	1	07/17/2020 05:45	WG1510584
2-Hexanone	U		0.00492	0.0366	1	07/17/2020 05:45	WG1510584
n-Hexane	U	J4	0.00331	0.00732	1	07/17/2020 05:45	WG1510584
Iodomethane	U		0.00340	0.0183	1	07/17/2020 05:45	WG1510584
Isopropylbenzene	U		0.000622	0.00366	1	07/17/2020 05:45	WG1510584
p-Isopropyltoluene	U		0.00373	0.00732	1	07/17/2020 05:45	WG1510584
2-Butanone (MEK)	U		0.0929	0.146	1	07/17/2020 05:45	WG1510584
Methylene Chloride	U		0.00972	0.0366	1	07/17/2020 05:45	WG1510584
4-Methyl-2-pentanone (MIBK)	U		0.00334	0.0366	1	07/17/2020 05:45	WG1510584

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		0.000512	0.00146	1	07/17/2020 05:45	WG1510584
Naphthalene	U		0.00714	0.0183	1	07/17/2020 05:45	WG1510584
n-Propylbenzene	U		0.00139	0.00732	1	07/17/2020 05:45	WG1510584
Styrene	U		0.000335	0.0183	1	07/17/2020 05:45	WG1510584
1,1,1,2-Tetrachloroethane	U		0.00139	0.00366	1	07/17/2020 05:45	WG1510584
1,1,2,2-Tetrachloroethane	U		0.00102	0.00366	1	07/17/2020 05:45	WG1510584
1,1,2-Trichlorotrifluoroethane	U		0.00110	0.00366	1	07/17/2020 05:45	WG1510584
Tetrachloroethene	U		0.00131	0.00366	1	07/17/2020 05:45	WG1510584
Toluene	U		0.00190	0.00732	1	07/17/2020 05:45	WG1510584
1,2,3-Trichlorobenzene	U		0.0107	0.0183	1	07/17/2020 05:45	WG1510584
1,2,4-Trichlorobenzene	U		0.00644	0.0183	1	07/17/2020 05:45	WG1510584
1,1,1-Trichloroethane	U		0.00135	0.00366	1	07/17/2020 05:45	WG1510584
1,1,2-Trichloroethane	U		0.000874	0.00366	1	07/17/2020 05:45	WG1510584
Trichloroethene	U		0.000855	0.00146	1	07/17/2020 05:45	WG1510584
Trichlorofluoromethane	U		0.00121	0.00366	1	07/17/2020 05:45	WG1510584
1,2,3-Trichloropropane	U		0.00237	0.0183	1	07/17/2020 05:45	WG1510584
1,2,4-Trimethylbenzene	U		0.00231	0.00732	1	07/17/2020 05:45	WG1510584
1,2,3-Trimethylbenzene	U		0.00231	0.00732	1	07/17/2020 05:45	WG1510584
1,3,5-Trimethylbenzene	U		0.00293	0.00732	1	07/17/2020 05:45	WG1510584
Vinyl acetate	U		0.00372	0.0183	1	07/17/2020 05:45	WG1510584
Vinyl chloride	U		0.00170	0.00366	1	07/17/2020 05:45	WG1510584
Xylenes, Total	U		0.00129	0.00951	1	07/17/2020 05:45	WG1510584
(S) Toluene-d8	*97.4*			*75.0-131*		*07/17/2020 05:45*	WG1510584
(S) 4-Bromofluorobenzene	*85.7*			*67.0-138*		*07/17/2020 05:45*	WG1510584
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*07/17/2020 05:45*	WG1510584

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.8		1	07/15/2020 21:43	WG1509525

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		0.0479	0.0656	1	07/17/2020 06:04	WG1510584
Acrylonitrile	U		0.00474	0.0164	1	07/17/2020 06:04	WG1510584
Benzene	U		0.000613	0.00131	1	07/17/2020 06:04	WG1510584
Bromobenzene	U		0.00118	0.0164	1	07/17/2020 06:04	WG1510584
Bromodichloromethane	U		0.000951	0.00328	1	07/17/2020 06:04	WG1510584
Bromochloromethane	U		0.000740	0.00656	1	07/17/2020 06:04	WG1510584
Bromoform	U		0.00154	0.0328	1	07/17/2020 06:04	WG1510584
Bromomethane	U		0.00259	0.0164	1	07/17/2020 06:04	WG1510584
n-Butylbenzene	U		0.00689	0.0164	1	07/17/2020 06:04	WG1510584
sec-Butylbenzene	U		0.00378	0.0164	1	07/17/2020 06:04	WG1510584
tert-Butylbenzene	U		0.00256	0.00656	1	07/17/2020 06:04	WG1510584
Carbon disulfide	U		0.000919	0.0164	1	07/17/2020 06:04	WG1510584
Carbon tetrachloride	U		0.00118	0.00656	1	07/17/2020 06:04	WG1510584
Chlorobenzene	U		0.000276	0.00328	1	07/17/2020 06:04	WG1510584
Chlorodibromomethane	U		0.000803	0.00328	1	07/17/2020 06:04	WG1510584
Chloroethane	U		0.00223	0.00656	1	07/17/2020 06:04	WG1510584
Chloroform	U	J4	0.00135	0.00328	1	07/17/2020 06:04	WG1510584
Chloromethane	U		0.00571	0.0164	1	07/17/2020 06:04	WG1510584
2-Chlorotoluene	U		0.00114	0.00328	1	07/17/2020 06:04	WG1510584
4-Chlorotoluene	U		0.000591	0.00656	1	07/17/2020 06:04	WG1510584
1,2-Dibromo-3-Chloropropane	U		0.00512	0.0328	1	07/17/2020 06:04	WG1510584
1,2-Dibromoethane	U		0.000850	0.00328	1	07/17/2020 06:04	WG1510584
Dibromomethane	U		0.000984	0.00656	1	07/17/2020 06:04	WG1510584
1,2-Dichlorobenzene	U		0.000558	0.00656	1	07/17/2020 06:04	WG1510584
1,3-Dichlorobenzene	U		0.000787	0.00656	1	07/17/2020 06:04	WG1510584
1,4-Dichlorobenzene	U		0.000919	0.00656	1	07/17/2020 06:04	WG1510584
Dichlorodifluoromethane	U		0.00211	0.00328	1	07/17/2020 06:04	WG1510584
1,1-Dichloroethane	U		0.000644	0.00328	1	07/17/2020 06:04	WG1510584
1,2-Dichloroethane	U		0.000852	0.00328	1	07/17/2020 06:04	WG1510584
1,1-Dichloroethene	U		0.000795	0.00328	1	07/17/2020 06:04	WG1510584
cis-1,2-Dichloroethene	U		0.000963	0.00328	1	07/17/2020 06:04	WG1510584
trans-1,2-Dichloroethene	U		0.00136	0.00656	1	07/17/2020 06:04	WG1510584
1,2-Dichloropropane	U		0.00186	0.00656	1	07/17/2020 06:04	WG1510584
1,1-Dichloropropene	U		0.00106	0.00328	1	07/17/2020 06:04	WG1510584
1,3-Dichloropropane	U		0.000657	0.00656	1	07/17/2020 06:04	WG1510584
cis-1,3-Dichloropropene	U		0.000993	0.00328	1	07/17/2020 06:04	WG1510584
trans-1,3-Dichloropropene	U		0.00150	0.00656	1	07/17/2020 06:04	WG1510584
trans-1,4-Dichloro-2-butene	U		0.00244	0.00656	1	07/17/2020 06:04	WG1510584
2,2-Dichloropropane	U		0.00181	0.00328	1	07/17/2020 06:04	WG1510584
Di-isopropyl ether	U		0.000538	0.00131	1	07/17/2020 06:04	WG1510584
Ethylbenzene	U		0.000967	0.00328	1	07/17/2020 06:04	WG1510584
Hexachloro-1,3-butadiene	U		0.00787	0.0328	1	07/17/2020 06:04	WG1510584
2-Hexanone	U		0.00441	0.0328	1	07/17/2020 06:04	WG1510584
n-Hexane	U	J4	0.00297	0.00656	1	07/17/2020 06:04	WG1510584
Iodomethane	U		0.00304	0.0164	1	07/17/2020 06:04	WG1510584
Isopropylbenzene	U		0.000558	0.00328	1	07/17/2020 06:04	WG1510584
p-Isopropyltoluene	U		0.00335	0.00656	1	07/17/2020 06:04	WG1510584
2-Butanone (MEK)	U		0.0833	0.131	1	07/17/2020 06:04	WG1510584
Methylene Chloride	U		0.00871	0.0328	1	07/17/2020 06:04	WG1510584
4-Methyl-2-pentanone (MIBK)	U		0.00299	0.0328	1	07/17/2020 06:04	WG1510584

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		0.000459	0.00131	1	07/17/2020 06:04	WG1510584
Naphthalene	U		0.00640	0.0164	1	07/17/2020 06:04	WG1510584
n-Propylbenzene	U		0.00125	0.00656	1	07/17/2020 06:04	WG1510584
Styrene	U		0.000301	0.0164	1	07/17/2020 06:04	WG1510584
1,1,1,2-Tetrachloroethane	U		0.00124	0.00328	1	07/17/2020 06:04	WG1510584
1,1,2,2-Tetrachloroethane	U		0.000912	0.00328	1	07/17/2020 06:04	WG1510584
1,1,2-Trichlorotrifluoroethane	U		0.000989	0.00328	1	07/17/2020 06:04	WG1510584
Tetrachloroethene	U		0.00118	0.00328	1	07/17/2020 06:04	WG1510584
Toluene	U		0.00171	0.00656	1	07/17/2020 06:04	WG1510584
1,2,3-Trichlorobenzene	U		0.00962	0.0164	1	07/17/2020 06:04	WG1510584
1,2,4-Trichlorobenzene	U		0.00577	0.0164	1	07/17/2020 06:04	WG1510584
1,1,1-Trichloroethane	U		0.00121	0.00328	1	07/17/2020 06:04	WG1510584
1,1,2-Trichloroethane	U		0.000783	0.00328	1	07/17/2020 06:04	WG1510584
Trichloroethene	U		0.000766	0.00131	1	07/17/2020 06:04	WG1510584
Trichlorofluoromethane	U		0.00109	0.00328	1	07/17/2020 06:04	WG1510584
1,2,3-Trichloropropane	U		0.00213	0.0164	1	07/17/2020 06:04	WG1510584
1,2,4-Trimethylbenzene	U		0.00207	0.00656	1	07/17/2020 06:04	WG1510584
1,2,3-Trimethylbenzene	U		0.00207	0.00656	1	07/17/2020 06:04	WG1510584
1,3,5-Trimethylbenzene	U		0.00262	0.00656	1	07/17/2020 06:04	WG1510584
Vinyl acetate	U		0.00333	0.0164	1	07/17/2020 06:04	WG1510584
Vinyl chloride	U		0.00152	0.00328	1	07/17/2020 06:04	WG1510584
Xylenes, Total	U		0.00115	0.00853	1	07/17/2020 06:04	WG1510584
(S) Toluene-d8	*94.6*			*75.0-131*		*07/17/2020 06:04*	WG1510584
(S) 4-Bromofluorobenzene	*85.0*			*67.0-138*		*07/17/2020 06:04*	WG1510584
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*07/17/2020 06:04*	WG1510584

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	07/15/2020 21:43	WG1509525

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		0.0480	0.0657	1	07/17/2020 06:23	WG1510584
Acrylonitrile	U		0.00474	0.0164	1	07/17/2020 06:23	WG1510584
Benzene	U		0.000614	0.00131	1	07/17/2020 06:23	WG1510584
Bromobenzene	U		0.00118	0.0164	1	07/17/2020 06:23	WG1510584
Bromodichloromethane	U		0.000953	0.00328	1	07/17/2020 06:23	WG1510584
Bromochloromethane	U		0.000741	0.00657	1	07/17/2020 06:23	WG1510584
Bromoform	U		0.00154	0.0328	1	07/17/2020 06:23	WG1510584
Bromomethane	U		0.00259	0.0164	1	07/17/2020 06:23	WG1510584
n-Butylbenzene	U		0.00690	0.0164	1	07/17/2020 06:23	WG1510584
sec-Butylbenzene	U		0.00378	0.0164	1	07/17/2020 06:23	WG1510584
tert-Butylbenzene	U		0.00256	0.00657	1	07/17/2020 06:23	WG1510584
Carbon disulfide	U		0.000920	0.0164	1	07/17/2020 06:23	WG1510584
Carbon tetrachloride	U		0.00118	0.00657	1	07/17/2020 06:23	WG1510584
Chlorobenzene	U		0.000276	0.00328	1	07/17/2020 06:23	WG1510584
Chlorodibromomethane	U		0.000804	0.00328	1	07/17/2020 06:23	WG1510584
Chloroethane	U		0.00223	0.00657	1	07/17/2020 06:23	WG1510584
Chloroform	U	J4	0.00135	0.00328	1	07/17/2020 06:23	WG1510584
Chloromethane	U		0.00572	0.0164	1	07/17/2020 06:23	WG1510584
2-Chlorotoluene	U		0.00114	0.00328	1	07/17/2020 06:23	WG1510584
4-Chlorotoluene	U		0.000591	0.00657	1	07/17/2020 06:23	WG1510584
1,2-Dibromo-3-Chloropropane	U		0.00512	0.0328	1	07/17/2020 06:23	WG1510584
1,2-Dibromoethane	U		0.000851	0.00328	1	07/17/2020 06:23	WG1510584
Dibromomethane	U		0.000985	0.00657	1	07/17/2020 06:23	WG1510584
1,2-Dichlorobenzene	U		0.000558	0.00657	1	07/17/2020 06:23	WG1510584
1,3-Dichlorobenzene	U		0.000788	0.00657	1	07/17/2020 06:23	WG1510584
1,4-Dichlorobenzene	U		0.000920	0.00657	1	07/17/2020 06:23	WG1510584
Dichlorodifluoromethane	U		0.00212	0.00328	1	07/17/2020 06:23	WG1510584
1,1-Dichloroethane	U		0.000645	0.00328	1	07/17/2020 06:23	WG1510584
1,2-Dichloroethane	U		0.000853	0.00328	1	07/17/2020 06:23	WG1510584
1,1-Dichloroethene	U		0.000796	0.00328	1	07/17/2020 06:23	WG1510584
cis-1,2-Dichloroethene	U		0.000964	0.00328	1	07/17/2020 06:23	WG1510584
trans-1,2-Dichloroethene	U		0.00137	0.00657	1	07/17/2020 06:23	WG1510584
1,2-Dichloropropane	U		0.00187	0.00657	1	07/17/2020 06:23	WG1510584
1,1-Dichloropropene	U		0.00106	0.00328	1	07/17/2020 06:23	WG1510584
1,3-Dichloropropane	U		0.000658	0.00657	1	07/17/2020 06:23	WG1510584
cis-1,3-Dichloropropene	U		0.000995	0.00328	1	07/17/2020 06:23	WG1510584
trans-1,3-Dichloropropene	U		0.00150	0.00657	1	07/17/2020 06:23	WG1510584
trans-1,4-Dichloro-2-butene	U		0.00244	0.00657	1	07/17/2020 06:23	WG1510584
2,2-Dichloropropane	U		0.00181	0.00328	1	07/17/2020 06:23	WG1510584
Di-isopropyl ether	U		0.000539	0.00131	1	07/17/2020 06:23	WG1510584
Ethylbenzene	U		0.000968	0.00328	1	07/17/2020 06:23	WG1510584
Hexachloro-1,3-butadiene	U		0.00788	0.0328	1	07/17/2020 06:23	WG1510584
2-Hexanone	U		0.00441	0.0328	1	07/17/2020 06:23	WG1510584
n-Hexane	U	J4	0.00297	0.00657	1	07/17/2020 06:23	WG1510584
Iodomethane	U		0.00305	0.0164	1	07/17/2020 06:23	WG1510584
Isopropylbenzene	U		0.000558	0.00328	1	07/17/2020 06:23	WG1510584
p-Isopropyltoluene	U		0.00335	0.00657	1	07/17/2020 06:23	WG1510584
2-Butanone (MEK)	0.107	J	0.0834	0.131	1	07/17/2020 06:23	WG1510584
Methylene Chloride	U		0.00872	0.0328	1	07/17/2020 06:23	WG1510584
4-Methyl-2-pentanone (MIBK)	U		0.00300	0.0328	1	07/17/2020 06:23	WG1510584

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		0.000460	0.00131	1	07/17/2020 06:23	WG1510584
Naphthalene	U		0.00641	0.0164	1	07/17/2020 06:23	WG1510584
n-Propylbenzene	U		0.00125	0.00657	1	07/17/2020 06:23	WG1510584
Styrene	U		0.000301	0.0164	1	07/17/2020 06:23	WG1510584
1,1,1,2-Tetrachloroethane	U		0.00125	0.00328	1	07/17/2020 06:23	WG1510584
1,1,2,2-Tetrachloroethane	U		0.000913	0.00328	1	07/17/2020 06:23	WG1510584
1,1,2-Trichlorotrifluoroethane	U		0.000991	0.00328	1	07/17/2020 06:23	WG1510584
Tetrachloroethene	0.00372		0.00118	0.00328	1	07/17/2020 06:23	WG1510584
Toluene	U		0.00171	0.00657	1	07/17/2020 06:23	WG1510584
1,2,3-Trichlorobenzene	U		0.00963	0.0164	1	07/17/2020 06:23	WG1510584
1,2,4-Trichlorobenzene	U		0.00578	0.0164	1	07/17/2020 06:23	WG1510584
1,1,1-Trichloroethane	U		0.00121	0.00328	1	07/17/2020 06:23	WG1510584
1,1,2-Trichloroethane	U		0.000784	0.00328	1	07/17/2020 06:23	WG1510584
Trichloroethene	U		0.000767	0.00131	1	07/17/2020 06:23	WG1510584
Trichlorofluoromethane	U		0.00109	0.00328	1	07/17/2020 06:23	WG1510584
1,2,3-Trichloropropane	U		0.00213	0.0164	1	07/17/2020 06:23	WG1510584
1,2,4-Trimethylbenzene	U		0.00208	0.00657	1	07/17/2020 06:23	WG1510584
1,2,3-Trimethylbenzene	U		0.00208	0.00657	1	07/17/2020 06:23	WG1510584
1,3,5-Trimethylbenzene	U		0.00263	0.00657	1	07/17/2020 06:23	WG1510584
Vinyl acetate	U		0.00334	0.0164	1	07/17/2020 06:23	WG1510584
Vinyl chloride	U		0.00152	0.00328	1	07/17/2020 06:23	WG1510584
Xylenes, Total	U		0.00116	0.00854	1	07/17/2020 06:23	WG1510584
(S) Toluene-d8	*94.6*			*75.0-131*		*07/17/2020 06:23*	WG1510584
(S) 4-Bromofluorobenzene	*87.8*			*67.0-138*		*07/17/2020 06:23*	WG1510584
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*07/17/2020 06:23*	WG1510584

Volatile 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	07/15/2020 19:06	WG1509734
Acrylonitrile	U		0.671	5.00	1	07/15/2020 19:06	WG1509734
Benzene	U		0.0941	0.500	1	07/15/2020 19:06	WG1509734
Bromobenzene	U		0.118	0.500	1	07/15/2020 19:06	WG1509734
Bromodichloromethane	U		0.136	0.500	1	07/15/2020 19:06	WG1509734
Bromochloromethane	U		0.128	0.500	1	07/15/2020 19:06	WG1509734
Bromoform	U		0.129	0.500	1	07/15/2020 19:06	WG1509734
Bromomethane	U		0.605	2.50	1	07/15/2020 19:06	WG1509734
n-Butylbenzene	U		0.157	0.500	1	07/15/2020 19:06	WG1509734
sec-Butylbenzene	U		0.125	0.500	1	07/15/2020 19:06	WG1509734
tert-Butylbenzene	U		0.127	0.500	1	07/15/2020 19:06	WG1509734
Carbon disulfide	U		0.0962	0.500	1	07/15/2020 19:06	WG1509734
Carbon tetrachloride	U		0.128	0.500	1	07/15/2020 19:06	WG1509734
Chlorobenzene	U		0.117	0.500	1	07/15/2020 19:06	WG1509734
Chlorodibromomethane	U		0.140	0.500	1	07/15/2020 19:06	WG1509734
Chloroethane	U		0.192	2.50	1	07/15/2020 19:06	WG1509734
Chloroform	U		0.111	0.500	1	07/15/2020 19:06	WG1509734
Chloromethane	U		0.960	1.25	1	07/15/2020 19:06	WG1509734
2-Chlorotoluene	U		0.106	0.500	1	07/15/2020 19:06	WG1509734
4-Chlorotoluene	U		0.114	0.500	1	07/15/2020 19:06	WG1509734
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	07/15/2020 19:06	WG1509734
1,2-Dibromoethane	U		0.126	0.500	1	07/15/2020 19:06	WG1509734
Dibromomethane	U		0.122	0.500	1	07/15/2020 19:06	WG1509734
1,2-Dichlorobenzene	U		0.107	0.500	1	07/15/2020 19:06	WG1509734
1,3-Dichlorobenzene	U		0.299	0.500	1	07/15/2020 19:06	WG1509734
1,4-Dichlorobenzene	U		0.120	0.500	1	07/15/2020 19:06	WG1509734
Dichlorodifluoromethane	U		0.374	2.50	1	07/15/2020 19:06	WG1509734
1,1-Dichloroethane	U		0.100	0.500	1	07/15/2020 19:06	WG1509734
1,2-Dichloroethane	U		0.0819	0.500	1	07/15/2020 19:06	WG1509734
1,1-Dichloroethene	U		0.188	0.500	1	07/15/2020 19:06	WG1509734
cis-1,2-Dichloroethene	U		0.126	0.500	1	07/15/2020 19:06	WG1509734
trans-1,2-Dichloroethene	U		0.149	0.500	1	07/15/2020 19:06	WG1509734
1,2-Dichloropropane	U		0.149	0.500	1	07/15/2020 19:06	WG1509734
1,1-Dichloropropene	U		0.142	0.500	1	07/15/2020 19:06	WG1509734
1,3-Dichloropropane	U		0.109	1.00	1	07/15/2020 19:06	WG1509734
cis-1,3-Dichloropropene	U		0.111	0.500	1	07/15/2020 19:06	WG1509734
trans-1,3-Dichloropropene	U		0.118	0.500	1	07/15/2020 19:06	WG1509734
trans-1,4-Dichloro-2-butene	U	J0	0.467	5.00	1	07/15/2020 19:06	WG1509734
2,2-Dichloropropane	U	J0	0.161	0.500	1	07/15/2020 19:06	WG1509734
Di-isopropyl ether	U		0.105	0.500	1	07/15/2020 19:06	WG1509734
Ethylbenzene	U		0.137	0.500	1	07/15/2020 19:06	WG1509734
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/15/2020 19:06	WG1509734
2-Hexanone	U		0.787	5.00	1	07/15/2020 19:06	WG1509734
n-Hexane	U		0.749	5.00	1	07/15/2020 19:06	WG1509734
Iodomethane	U		0.554	5.00	1	07/15/2020 19:06	WG1509734
Isopropylbenzene	U		0.105	0.500	1	07/15/2020 19:06	WG1509734
p-Isopropyltoluene	U		0.120	0.500	1	07/15/2020 19:06	WG1509734
2-Butanone (MEK)	12.9		1.19	5.00	1	07/15/2020 19:06	WG1509734
Methylene Chloride	U		0.430	2.50	1	07/15/2020 19:06	WG1509734
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	07/15/2020 19:06	WG1509734
Methyl tert-butyl ether	U		0.101	0.500	1	07/15/2020 19:06	WG1509734
Naphthalene	U		0.174	2.50	1	07/15/2020 19:06	WG1509734
n-Propylbenzene	U		0.0993	0.500	1	07/15/2020 19:06	WG1509734
Styrene	U		0.118	0.500	1	07/15/2020 19:06	WG1509734
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	07/15/2020 19:06	WG1509734
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	07/15/2020 19:06	WG1509734

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	07/15/2020 19:06	WG1509734
Tetrachloroethene	U		0.300	0.500	1	07/15/2020 19:06	WG1509734
Toluene	U		0.278	0.500	1	07/15/2020 19:06	WG1509734
1,2,3-Trichlorobenzene	U		0.164	0.500	1	07/15/2020 19:06	WG1509734
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/15/2020 19:06	WG1509734
1,1,1-Trichloroethane	U		0.149	0.500	1	07/15/2020 19:06	WG1509734
1,1,2-Trichloroethane	U		0.158	0.500	1	07/15/2020 19:06	WG1509734
Trichloroethene	U		0.190	0.500	1	07/15/2020 19:06	WG1509734
Trichlorofluoromethane	U		0.160	2.50	1	07/15/2020 19:06	WG1509734
1,2,3-Trichloropropane	U		0.237	2.50	1	07/15/2020 19:06	WG1509734
1,2,4-Trimethylbenzene	U		0.322	0.500	1	07/15/2020 19:06	WG1509734
1,2,3-Trimethylbenzene	U		0.104	0.500	1	07/15/2020 19:06	WG1509734
1,3,5-Trimethylbenzene	U		0.104	0.500	1	07/15/2020 19:06	WG1509734
Vinyl acetate	U		0.692	5.00	1	07/15/2020 19:06	WG1509734
Vinyl chloride	U		0.234	0.500	1	07/15/2020 19:06	WG1509734
Xylenes, Total	U		0.174	1.50	1	07/15/2020 19:06	WG1509734
(S) Toluene-d8	*102*			*80.0-120*		*07/15/2020 19:06*	WG1509734
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*07/15/2020 19:06*	WG1509734
(S) 1,2-Dichloroethane-d4	*92.2*			*70.0-130*		*07/15/2020 19:06*	WG1509734

Method Blank (MB)

(MB) R3550117-1 07/15/20 21:57

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00400			

L1238798-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1238798-01 07/15/20 21:57 • (DUP) R3550117-3 07/15/20 21:57

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.9	94.2	1	1.49		10

Laboratory Control Sample (LCS)

(LCS) R3550117-2 07/15/20 21:57

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) R3550111-1 07/15/20 21:43

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1238810-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1238810-01 07/15/20 21:43 • (DUP) R3550111-3 07/15/20 21:43

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.4	90.2	1	3.12		10

Laboratory Control Sample (LCS)

(LCS) R3550111-2 07/15/20 21:43

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) R3550564-4 07/15/20 17:32

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) R3550564-4 07/15/20 17:32

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		0.554	5.00
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	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*

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

(LCS) R3550564-1 07/15/20 15:49 • (LCSD) R3550564-2 07/15/20 16:10

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	27.8	111	111	19.0-160			0.000	27
Acrylonitrile	25.0	27.7	26.9	111	108	55.0-149			2.93	20
Benzene	5.00	4.50	4.51	90.0	90.2	70.0-123			0.222	20
Bromobenzene	5.00	4.16	4.16	83.2	83.2	73.0-121			0.000	20
Bromodichloromethane	5.00	4.31	4.28	86.2	85.6	75.0-120			0.698	20
Bromochloromethane	5.00	4.95	4.80	99.0	96.0	76.0-122			3.08	20
Bromoform	5.00	5.38	5.38	108	108	68.0-132			0.000	20
Bromomethane	5.00	4.59	4.71	91.8	94.2	10.0-160			2.58	25
n-Butylbenzene	5.00	4.63	4.44	92.6	88.8	73.0-125			4.19	20
sec-Butylbenzene	5.00	4.57	4.40	91.4	88.0	75.0-125			3.79	20
tert-Butylbenzene	5.00	4.65	4.52	93.0	90.4	76.0-124			2.84	20
Carbon disulfide	5.00	4.39	4.35	87.8	87.0	61.0-128			0.915	20
Carbon tetrachloride	5.00	4.64	4.73	92.8	94.6	68.0-126			1.92	20
Chlorobenzene	5.00	4.77	4.80	95.4	96.0	80.0-121			0.627	20
Chlorodibromomethane	5.00	5.15	5.09	103	102	77.0-125			1.17	20
Chloroethane	5.00	4.69	4.66	93.8	93.2	47.0-150			0.642	20
Chloroform	5.00	4.37	4.37	87.4	87.4	73.0-120			0.000	20
Chloromethane	5.00	4.64	4.61	92.8	92.2	41.0-142			0.649	20
2-Chlorotoluene	5.00	4.25	4.10	85.0	82.0	76.0-123			3.59	20
4-Chlorotoluene	5.00	4.40	4.11	88.0	82.2	75.0-122			6.82	20
1,2-Dibromo-3-Chloropropane	5.00	6.14	6.00	123	120	58.0-134			2.31	20
1,2-Dibromoethane	5.00	5.38	5.63	108	113	80.0-122			4.54	20
Dibromomethane	5.00	5.18	5.06	104	101	80.0-120			2.34	20
1,2-Dichlorobenzene	5.00	5.33	4.86	107	97.2	79.0-121			9.22	20
1,3-Dichlorobenzene	5.00	5.15	4.46	103	89.2	79.0-120			14.4	20
1,4-Dichlorobenzene	5.00	4.92	5.34	98.4	107	79.0-120			8.19	20
trans-1,4-Dichloro-2-butene	5.00	3.43	3.38	68.6	67.6	33.0-144			1.47	20
Dichlorodifluoromethane	5.00	5.36	5.43	107	109	51.0-149			1.30	20
1,1-Dichloroethane	5.00	4.79	4.76	95.8	95.2	70.0-126			0.628	20
1,2-Dichloroethane	5.00	5.07	5.02	101	100	70.0-128			0.991	20
1,1-Dichloroethene	5.00	4.97	4.64	99.4	92.8	71.0-124			6.87	20
cis-1,2-Dichloroethene	5.00	4.67	4.73	93.4	94.6	73.0-120			1.28	20
trans-1,2-Dichloroethene	5.00	4.78	4.79	95.6	95.8	73.0-120			0.209	20
1,2-Dichloropropane	5.00	4.74	4.80	94.8	96.0	77.0-125			1.26	20
1,1-Dichloropropene	5.00	4.81	4.87	96.2	97.4	74.0-126			1.24	20
1,3-Dichloropropane	5.00	5.55	5.51	111	110	80.0-120			0.723	20
cis-1,3-Dichloropropene	5.00	4.67	4.77	93.4	95.4	80.0-123			2.12	20
trans-1,3-Dichloropropene	5.00	5.16	4.94	103	98.8	78.0-124			4.36	20
2,2-Dichloropropane	5.00	3.76	3.72	75.2	74.4	58.0-130			1.07	20
Di-isopropyl ether	5.00	4.41	4.39	88.2	87.8	58.0-138			0.455	20

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

(LCS) R3550564-1 07/15/20 15:49 • (LCSD) R3550564-2 07/15/20 16:10

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	5.03	4.87	101	97.4	79.0-123			3.23	20
Hexachloro-1,3-butadiene	5.00	6.01	5.34	120	107	54.0-138			11.8	20
2-Hexanone	25.0	30.8	30.1	123	120	67.0-149			2.30	20
n-Hexane	5.00	5.27	5.11	105	102	57.0-133			3.08	20
Iodomethane	25.0	23.4	23.0	93.6	92.0	33.0-147			1.72	26
Isopropylbenzene	5.00	4.65	4.72	93.0	94.4	76.0-127			1.49	20
p-Isopropyltoluene	5.00	4.84	4.53	96.8	90.6	76.0-125			6.62	20
2-Butanone (MEK)	25.0	30.1	30.1	120	120	44.0-160			0.000	20
Methylene Chloride	5.00	4.43	4.55	88.6	91.0	67.0-120			2.67	20
4-Methyl-2-pentanone (MIBK)	25.0	29.8	29.6	119	118	68.0-142			0.673	20
Methyl tert-butyl ether	5.00	4.48	4.54	89.6	90.8	68.0-125			1.33	20
Naphthalene	5.00	6.01	5.96	120	119	54.0-135			0.835	20
n-Propylbenzene	5.00	4.38	4.13	87.6	82.6	77.0-124			5.88	20
Styrene	5.00	4.87	4.85	97.4	97.0	73.0-130			0.412	20
1,1,1,2-Tetrachloroethane	5.00	4.92	5.08	98.4	102	75.0-125			3.20	20
1,1,2,2-Tetrachloroethane	5.00	4.73	4.55	94.6	91.0	65.0-130			3.88	20
Tetrachloroethene	5.00	5.27	5.34	105	107	72.0-132			1.32	20
Toluene	5.00	4.77	4.77	95.4	95.4	79.0-120			0.000	20
1,1,2-Trichlorotrifluoroethane	5.00	4.77	4.71	95.4	94.2	69.0-132			1.27	20
1,2,3-Trichlorobenzene	5.00	6.25	6.25	125	125	50.0-138			0.000	20
1,2,4-Trichlorobenzene	5.00	6.01	5.48	120	110	57.0-137			9.23	20
1,1,1-Trichloroethane	5.00	4.51	4.53	90.2	90.6	73.0-124			0.442	20
1,1,2-Trichloroethane	5.00	5.60	5.45	112	109	80.0-120			2.71	20
Trichloroethene	5.00	4.94	4.87	98.8	97.4	78.0-124			1.43	20
Trichlorofluoromethane	5.00	5.31	5.25	106	105	59.0-147			1.14	20
1,2,3-Trichloropropane	5.00	5.38	5.45	108	109	73.0-130			1.29	20
1,2,3-Trimethylbenzene	5.00	4.55	4.49	91.0	89.8	77.0-120			1.33	20
1,2,4-Trimethylbenzene	5.00	4.42	4.22	88.4	84.4	76.0-121			4.63	20
1,3,5-Trimethylbenzene	5.00	4.26	4.42	85.2	88.4	76.0-122			3.69	20
Vinyl acetate	25.0	22.4	22.7	89.6	90.8	11.0-160			1.33	20
Vinyl chloride	5.00	5.27	5.48	105	110	67.0-131			3.91	20
Xylenes, Total	15.0	14.6	14.9	97.3	99.3	79.0-123			2.03	20
(S) Toluene-d8				*104*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.9*	*100*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*96.4*	*95.9*	*70.0-130*				

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

L1239116-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1239116-02 07/15/20 23:35 • (MS) R3550564-5 07/16/20 01:56 • (MSD) R3550564-6 07/16/20 02:17

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromochloromethane	5.00	U	4.65	4.91	93.0	98.2	1	38.0-142			5.44	26
Acetone	25.0	U	25.1	24.6	100	98.4	1	10.0-160			2.01	35
Acrylonitrile	25.0	U	23.6	24.4	94.4	97.6	1	21.0-160			3.33	32
Benzene	5.00	U	4.56	4.74	91.2	94.8	1	17.0-158			3.87	27
Bromobenzene	5.00	U	4.29	4.20	85.8	84.0	1	30.0-149			2.12	28
Bromodichloromethane	5.00	U	4.25	4.37	85.0	87.4	1	31.0-150			2.78	27
Bromoform	5.00	U	5.07	5.04	101	101	1	29.0-150			0.593	29
Bromomethane	5.00	U	4.42	4.57	88.4	91.4	1	10.0-160			3.34	38
n-Butylbenzene	5.00	U	4.78	4.76	95.6	95.2	1	31.0-150			0.419	30
sec-Butylbenzene	5.00	U	4.96	4.76	99.2	95.2	1	33.0-155			4.12	29
tert-Butylbenzene	5.00	U	5.03	4.79	101	95.8	1	34.0-153			4.89	28
Carbon disulfide	5.00	U	3.92	4.26	78.4	85.2	1	10.0-156			8.31	28
Carbon tetrachloride	5.00	U	5.03	5.45	101	109	1	23.0-159			8.02	28
Chlorobenzene	5.00	U	4.66	4.93	93.2	98.6	1	33.0-152			5.63	27
Chlorodibromomethane	5.00	U	4.87	5.22	97.4	104	1	37.0-149			6.94	27
Chloroethane	5.00	U	4.65	4.86	93.0	97.2	1	10.0-160			4.42	30
Chloroform	5.00	0.175	4.67	4.80	89.9	92.5	1	29.0-154			2.75	28
Chloromethane	5.00	U	4.36	4.68	87.2	93.6	1	10.0-160			7.08	29
trans-1,4-Dichloro-2-butene	5.00	U	3.80	3.47	76.0	69.4	1	10.0-157			9.08	37
2-Chlorotoluene	5.00	U	4.54	4.36	90.8	87.2	1	32.0-153			4.04	28
4-Chlorotoluene	5.00	U	4.50	4.45	90.0	89.0	1	32.0-150			1.12	28
1,2-Dibromo-3-Chloropropane	5.00	U	5.52	5.39	110	108	1	22.0-151			2.38	34
1,2-Dibromoethane	5.00	U	5.03	5.12	101	102	1	34.0-147			1.77	27
2-Hexanone	25.0	U	25.2	25.8	101	103	1	21.0-160			2.35	29
Dibromomethane	5.00	U	4.84	4.98	96.8	99.6	1	30.0-151			2.85	27
1,2-Dichlorobenzene	5.00	U	5.11	5.26	102	105	1	34.0-149			2.89	28
n-Hexane	5.00	U	4.73	5.09	94.6	102	1	10.0-153			7.33	28
1,3-Dichlorobenzene	5.00	U	5.38	5.12	108	102	1	36.0-146			4.95	27
Iodomethane	25.0	U	23.1	24.3	92.4	97.2	1	10.0-160			5.06	40
1,4-Dichlorobenzene	5.00	U	5.09	5.01	102	100	1	35.0-142			1.58	27
Dichlorodifluoromethane	5.00	U	5.62	5.98	112	120	1	10.0-160			6.21	29
1,1-Dichloroethane	5.00	8.71	12.3	12.3	71.8	71.8	1	25.0-158			0.000	27
1,2-Dichloroethane	5.00	U	4.84	5.05	96.8	101	1	29.0-151			4.25	27
1,1-Dichloroethene	5.00	5.39	9.48	9.78	81.8	87.8	1	11.0-160			3.12	29
cis-1,2-Dichloroethene	5.00	6.46	10.5	10.5	80.8	80.8	1	10.0-160			0.000	27
trans-1,2-Dichloroethene	5.00	U	4.82	5.02	96.4	100	1	17.0-153			4.07	27
1,2-Dichloropropane	5.00	U	4.81	5.25	96.2	105	1	30.0-156			8.75	27
1,1-Dichloropropene	5.00	U	4.97	5.32	99.4	106	1	25.0-158			6.80	27
1,3-Dichloropropane	5.00	U	5.06	5.46	101	109	1	38.0-147			7.60	27
cis-1,3-Dichloropropene	5.00	U	4.37	4.68	87.4	93.6	1	34.0-149			6.85	28

L1239116-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1239116-02 07/15/20 23:35 • (MS) R3550564-5 07/16/20 01:56 • (MSD) R3550564-6 07/16/20 02:17

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	5.00	U	4.87	5.10	97.4	102	1	32.0-149			4.61	28
2,2-Dichloropropane	5.00	U	4.28	4.37	85.6	87.4	1	24.0-152			2.08	29
Di-isopropyl ether	5.00	U	4.33	4.67	86.6	93.4	1	21.0-160			7.56	28
Ethylbenzene	5.00	U	5.03	5.18	101	104	1	30.0-155			2.94	27
Hexachloro-1,3-butadiene	5.00	U	6.09	6.01	122	120	1	20.0-154			1.32	34
Isopropylbenzene	5.00	U	4.87	5.03	97.4	101	1	28.0-157			3.23	27
Vinyl acetate	25.0	U	23.3	25.2	93.2	101	1	12.0-160			7.84	31
p-Isopropyltoluene	5.00	U	5.06	4.93	101	98.6	1	30.0-154			2.60	29
2-Butanone (MEK)	25.0	U	25.5	27.0	102	108	1	10.0-160			5.71	32
Methylene Chloride	5.00	U	4.37	4.75	87.4	95.0	1	23.0-144			8.33	28
4-Methyl-2-pentanone (MIBK)	25.0	U	26.0	27.2	104	109	1	29.0-160			4.51	29
Methyl tert-butyl ether	5.00	U	4.46	4.35	89.2	87.0	1	28.0-150			2.50	29
Naphthalene	5.00	1.81	6.02	5.91	84.2	82.0	1	12.0-156			1.84	35
n-Propylbenzene	5.00	U	4.66	4.52	93.2	90.4	1	31.0-154			3.05	28
Styrene	5.00	U	4.58	4.88	91.6	97.6	1	33.0-155			6.34	28
1,1,1,2-Tetrachloroethane	5.00	U	4.97	5.19	99.4	104	1	36.0-151			4.33	29
1,1,2,2-Tetrachloroethane	5.00	U	4.68	4.43	93.6	88.6	1	33.0-150			5.49	28
Tetrachloroethene	5.00	173	149	147	0.000	0.000	1	10.0-160	V	V	1.35	27
Toluene	5.00	U	4.75	4.99	95.0	99.8	1	26.0-154			4.93	28
1,1,2-Trichlorotrifluoroethane	5.00	U	5.31	5.53	106	111	1	23.0-160			4.06	30
1,2,3-Trichlorobenzene	5.00	U	6.36	5.86	127	117	1	17.0-150			8.18	36
1,2,4-Trichlorobenzene	5.00	U	5.76	5.51	115	110	1	24.0-150			4.44	33
1,1,1-Trichloroethane	5.00	26.0	26.6	26.4	12.0	8.00	1	23.0-160	V	V	0.755	28
1,1,2-Trichloroethane	5.00	U	5.07	5.33	101	107	1	35.0-147			5.00	27
Trichloroethene	5.00	6.43	10.5	10.8	81.4	87.4	1	10.0-160			2.82	25
Trichlorofluoromethane	5.00	U	5.57	5.72	111	114	1	17.0-160			2.66	31
1,2,3-Trichloropropane	5.00	U	5.12	5.22	102	104	1	34.0-151			1.93	29
1,2,3-Trimethylbenzene	5.00	U	4.79	4.46	95.8	89.2	1	32.0-149			7.14	28
1,2,4-Trimethylbenzene	5.00	U	4.64	4.39	92.8	87.8	1	26.0-154			5.54	27
1,3,5-Trimethylbenzene	5.00	U	4.52	4.75	90.4	95.0	1	28.0-153			4.96	27
Vinyl chloride	5.00	U	5.37	5.71	107	114	1	10.0-160			6.14	27
Xylenes, Total	15.0	U	15.2	15.6	101	104	1	29.0-154			2.60	28
(S) Toluene-d8					*103*	*103*		*80.0-120*				
(S) 4-Bromofluorobenzene					*96.6*	*96.8*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*96.4*	*95.2*		*70.0-130*				

Method Blank (MB)

(MB) R3550430-3 07/16/20 19:04

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) R3550430-3 07/16/20 19:04

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	*107*			*75.0-131*
(S) 4-Bromofluorobenzene	*106*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*

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

(LCS) R3550430-1 07/16/20 17:05 • (LCSD) R3550430-2 07/16/20 17:24

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	0.611	0.843	97.8	135	10.0-160		J3	31.9	31
Acrylonitrile	0.625	0.668	0.710	107	114	45.0-153			6.10	22
Benzene	0.125	0.125	0.121	100	96.8	70.0-123			3.25	20
Bromobenzene	0.125	0.125	0.128	100	102	73.0-121			2.37	20
Bromodichloromethane	0.125	0.133	0.133	106	106	73.0-121			0.000	20
Bromochloromethane	0.125	0.135	0.134	108	107	77.0-128			0.743	20
Bromoform	0.125	0.142	0.142	114	114	64.0-132			0.000	20
Bromomethane	0.125	0.146	0.138	117	110	56.0-147			5.63	20
n-Butylbenzene	0.125	0.140	0.133	112	106	68.0-135			5.13	20
sec-Butylbenzene	0.125	0.135	0.128	108	102	74.0-130			5.32	20
tert-Butylbenzene	0.125	0.135	0.133	108	106	75.0-127			1.49	20
Carbon disulfide	0.125	0.140	0.110	112	88.0	56.0-133		J3	24.0	20
Carbon tetrachloride	0.125	0.144	0.135	115	108	66.0-128			6.45	20
Chlorobenzene	0.125	0.138	0.132	110	106	76.0-128			4.44	20
Chlorodibromomethane	0.125	0.146	0.147	117	118	74.0-127			0.683	20
Chloroethane	0.125	0.143	0.142	114	114	61.0-134			0.702	20
Chloroform	0.125	0.128	0.129	102	103	72.0-123			0.778	20
Chloromethane	0.125	0.126	0.126	101	101	51.0-138			0.000	20
2-Chlorotoluene	0.125	0.131	0.134	105	107	75.0-124			2.26	20
4-Chlorotoluene	0.125	0.131	0.135	105	108	75.0-124			3.01	20
1,2-Dibromo-3-Chloropropane	0.125	0.122	0.124	97.6	99.2	59.0-130			1.63	20
1,2-Dibromoethane	0.125	0.143	0.141	114	113	74.0-128			1.41	20
Dibromomethane	0.125	0.129	0.127	103	102	75.0-122			1.56	20
1,2-Dichlorobenzene	0.125	0.122	0.130	97.6	104	76.0-124			6.35	20
1,3-Dichlorobenzene	0.125	0.121	0.129	96.8	103	76.0-125			6.40	20
1,4-Dichlorobenzene	0.125	0.129	0.131	103	105	77.0-121			1.54	20
trans-1,4-Dichloro-2-butene	0.125	0.122	0.118	97.6	94.4	45.0-143			3.33	20
Dichlorodifluoromethane	0.125	0.152	0.154	122	123	43.0-156			1.31	20
1,1-Dichloroethane	0.125	0.138	0.135	110	108	70.0-127			2.20	20
1,2-Dichloroethane	0.125	0.135	0.128	108	102	65.0-131			5.32	20
1,1-Dichloroethene	0.125	0.153	0.151	122	121	65.0-131			1.32	20
cis-1,2-Dichloroethene	0.125	0.130	0.127	104	102	73.0-125			2.33	20
trans-1,2-Dichloroethene	0.125	0.137	0.132	110	106	71.0-125			3.72	20
1,2-Dichloropropane	0.125	0.124	0.128	99.2	102	74.0-125			3.17	20
1,1-Dichloropropene	0.125	0.133	0.125	106	100	73.0-125			6.20	20
1,3-Dichloropropane	0.125	0.142	0.141	114	113	80.0-125			0.707	20
cis-1,3-Dichloropropene	0.125	0.136	0.138	109	110	76.0-127			1.46	20
trans-1,3-Dichloropropene	0.125	0.148	0.151	118	121	73.0-127			2.01	20
2,2-Dichloropropane	0.125	0.153	0.145	122	116	59.0-135			5.37	20
Di-isopropyl ether	0.125	0.136	0.131	109	105	60.0-136			3.75	20

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

(LCS) R3550430-1 07/16/20 17:05 • (LCSD) R3550430-2 07/16/20 17:24

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	0.130	0.132	104	106	74.0-126			1.53	20
Hexachloro-1,3-butadiene	0.125	0.136	0.146	109	117	57.0-150			7.09	20
2-Hexanone	0.625	0.710	0.685	114	110	54.0-147			3.58	20
n-Hexane	0.125	0.180	0.172	144	138	55.0-137	J4	J4	4.55	20
Iodomethane	0.625	0.744	0.734	119	117	74.0-134			1.35	20
Isopropylbenzene	0.125	0.135	0.129	108	103	72.0-127			4.55	20
p-Isopropyltoluene	0.125	0.146	0.137	117	110	72.0-133			6.36	20
2-Butanone (MEK)	0.625	0.611	0.659	97.8	105	30.0-160			7.56	24
Methylene Chloride	0.125	0.144	0.135	115	108	68.0-123			6.45	20
4-Methyl-2-pentanone (MIBK)	0.625	0.701	0.692	112	111	56.0-143			1.29	20
Methyl tert-butyl ether	0.125	0.145	0.135	116	108	66.0-132			7.14	20
Naphthalene	0.125	0.131	0.128	105	102	59.0-130			2.32	20
n-Propylbenzene	0.125	0.131	0.130	105	104	74.0-126			0.766	20
Styrene	0.125	0.138	0.138	110	110	72.0-127			0.000	20
1,1,1,2-Tetrachloroethane	0.125	0.143	0.140	114	112	74.0-129			2.12	20
1,1,2,2-Tetrachloroethane	0.125	0.129	0.122	103	97.6	68.0-128			5.58	20
Tetrachloroethene	0.125	0.146	0.142	117	114	70.0-136			2.78	20
Toluene	0.125	0.135	0.127	108	102	75.0-121			6.11	20
1,1,2-Trichlorotrifluoroethane	0.125	0.152	0.145	122	116	61.0-139			4.71	20
1,2,3-Trichlorobenzene	0.125	0.146	0.138	117	110	59.0-139			5.63	20
1,2,4-Trichlorobenzene	0.125	0.135	0.127	108	102	62.0-137			6.11	20
1,1,1-Trichloroethane	0.125	0.137	0.138	110	110	69.0-126			0.727	20
1,1,2-Trichloroethane	0.125	0.143	0.130	114	104	78.0-123			9.52	20
Trichloroethene	0.125	0.124	0.123	99.2	98.4	76.0-126			0.810	20
Trichlorofluoromethane	0.125	0.150	0.136	120	109	61.0-142			9.79	20
1,2,3-Trichloropropane	0.125	0.131	0.125	105	100	67.0-129			4.69	20
1,2,3-Trimethylbenzene	0.125	0.137	0.136	110	109	74.0-124			0.733	20
1,2,4-Trimethylbenzene	0.125	0.138	0.134	110	107	70.0-126			2.94	20
1,3,5-Trimethylbenzene	0.125	0.137	0.132	110	106	73.0-127			3.72	20
Vinyl acetate	0.625	0.850	0.808	136	129	43.0-159			5.07	20
Vinyl chloride	0.125	0.122	0.126	97.6	101	63.0-134			3.23	20
Xylenes, Total	0.375	0.414	0.404	110	108	72.0-127			2.44	20
(S) Toluene-d8				*109*	*106*	*75.0-131*				
(S) 4-Bromofluorobenzene				*108*	*104*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*110*	*106*	*70.0-130*				

Method Blank (MB)

(MB) R3550851-2 07/17/20 04:51

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) R3550851-2 07/17/20 04:51

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	*96.6*			*75.0-131*
(S) 4-Bromofluorobenzene	*86.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3550851-1 07/17/20 03:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.758	121	10.0-160	
Acrylonitrile	0.625	0.820	131	45.0-153	
Benzene	0.125	0.138	110	70.0-123	
Bromobenzene	0.125	0.115	92.0	73.0-121	
Bromodichloromethane	0.125	0.135	108	73.0-121	
Bromochloromethane	0.125	0.122	97.6	77.0-128	
Bromoform	0.125	0.109	87.2	64.0-132	
Bromomethane	0.125	0.151	121	56.0-147	
n-Butylbenzene	0.125	0.137	110	68.0-135	
sec-Butylbenzene	0.125	0.133	106	74.0-130	
tert-Butylbenzene	0.125	0.127	102	75.0-127	
Carbon disulfide	0.125	0.145	116	56.0-133	
Carbon tetrachloride	0.125	0.133	106	66.0-128	
Chlorobenzene	0.125	0.117	93.6	76.0-128	
Chlorodibromomethane	0.125	0.105	84.0	74.0-127	
Chloroethane	0.125	0.159	127	61.0-134	
Chloroform	0.125	0.158	126	72.0-123	J4
Chloromethane	0.125	0.159	127	51.0-138	
2-Chlorotoluene	0.125	0.135	108	75.0-124	
4-Chlorotoluene	0.125	0.139	111	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.101	80.8	59.0-130	
1,2-Dibromoethane	0.125	0.107	85.6	74.0-128	
Dibromomethane	0.125	0.133	106	75.0-122	
1,2-Dichlorobenzene	0.125	0.119	95.2	76.0-124	
1,3-Dichlorobenzene	0.125	0.121	96.8	76.0-125	
1,4-Dichlorobenzene	0.125	0.121	96.8	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.121	96.8	45.0-143	
Dichlorodifluoromethane	0.125	0.131	105	43.0-156	
1,1-Dichloroethane	0.125	0.151	121	70.0-127	
1,2-Dichloroethane	0.125	0.130	104	65.0-131	
1,1-Dichloroethene	0.125	0.145	116	65.0-131	
cis-1,2-Dichloroethene	0.125	0.135	108	73.0-125	
trans-1,2-Dichloroethene	0.125	0.139	111	71.0-125	
1,2-Dichloropropane	0.125	0.152	122	74.0-125	
1,1-Dichloropropene	0.125	0.132	106	73.0-125	
1,3-Dichloropropane	0.125	0.120	96.0	80.0-125	
cis-1,3-Dichloropropene	0.125	0.131	105	76.0-127	
trans-1,3-Dichloropropene	0.125	0.124	99.2	73.0-127	
2,2-Dichloropropane	0.125	0.124	99.2	59.0-135	
Di-isopropyl ether	0.125	0.158	126	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3550851-1 07/17/20 03:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.118	94.4	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.110	88.0	57.0-150	
2-Hexanone	0.625	0.634	101	54.0-147	
n-Hexane	0.125	0.172	138	55.0-137	J4
Iodomethane	0.625	0.747	120	74.0-134	
Isopropylbenzene	0.125	0.117	93.6	72.0-127	
p-Isopropyltoluene	0.125	0.137	110	72.0-133	
2-Butanone (MEK)	0.625	0.692	111	30.0-160	
Methylene Chloride	0.125	0.148	118	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.697	112	56.0-143	
Methyl tert-butyl ether	0.125	0.134	107	66.0-132	
Naphthalene	0.125	0.117	93.6	59.0-130	
n-Propylbenzene	0.125	0.138	110	74.0-126	
Styrene	0.125	0.115	92.0	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.108	86.4	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.137	110	68.0-128	
Tetrachloroethene	0.125	0.125	100	70.0-136	
Toluene	0.125	0.120	96.0	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.132	106	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.110	88.0	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.122	97.6	62.0-137	
1,1,1-Trichloroethane	0.125	0.129	103	69.0-126	
1,1,2-Trichloroethane	0.125	0.117	93.6	78.0-123	
Trichloroethene	0.125	0.119	95.2	76.0-126	
Trichlorofluoromethane	0.125	0.145	116	61.0-142	
1,2,3-Trichloropropane	0.125	0.121	96.8	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.130	104	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.125	100	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.132	106	73.0-127	
Vinyl acetate	0.625	0.840	134	43.0-159	
Vinyl chloride	0.125	0.127	102	63.0-134	
Xylenes, Total	0.375	0.363	96.8	72.0-127	
(S) Toluene-d8			*91.3*	*75.0-131*	
(S) 4-Bromofluorobenzene			*91.5*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*113*	*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.
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

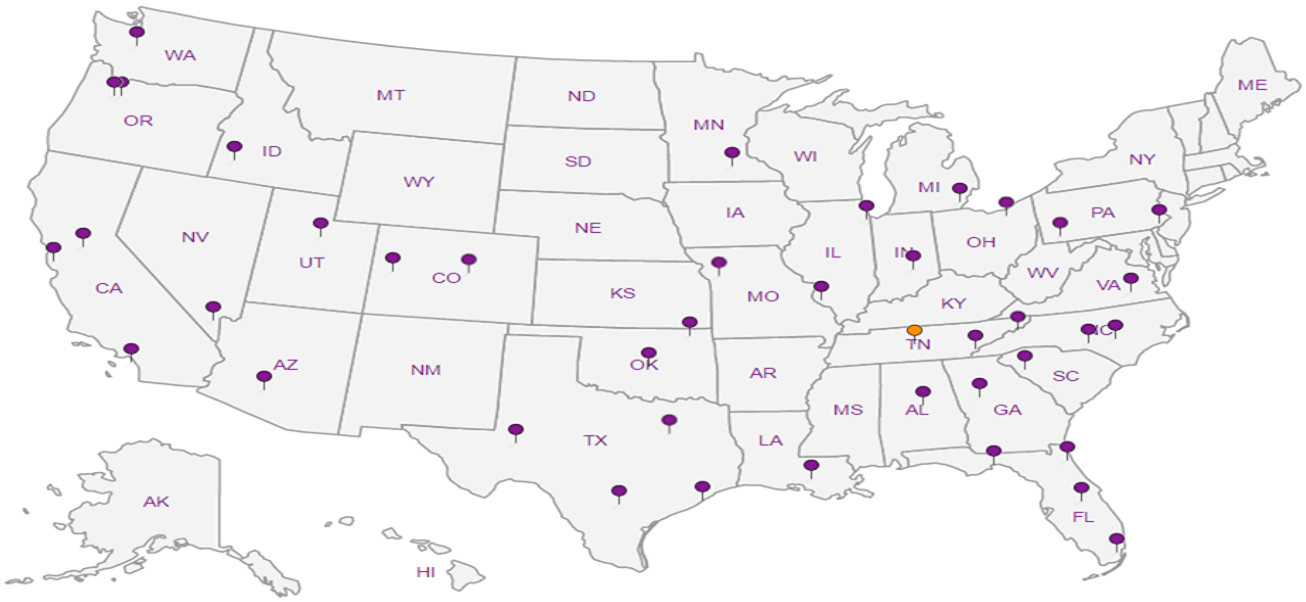
Third Party Federal Accreditations

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

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

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Phone: 800-767-5859
Fax: 615-758-5859

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

SDG # L1236748

J101

Phone: 206-529-3980

Client Project # 1413.001.02

Lab Project # PESENVSWA-ALP

Collected by (print): R.T. McLAUGHLIN

Site/Facility ID # AMERICAN LINEN

P.O. #

Acctnum: PESENVSWA

Template: T169956

Prelogin: P781866

PM: 546 - Jared Starkey

PB:

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Date Results Needed

Quote #

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C 40mlAmb/MeOH5ml/Syr	dry weight 4ozClr-NoPres	Remarks	Sample # (lab only)
SV-19-5	Grab	SS	5	7/9/20	0930	2	X	X		-01
SV-20-9		SS	9		0955		X	X		02
SV-21-6		SS	6		1105		X	X		03
SV-22-8.5		SS	8.5		1120		X	X		04
SV-23-4.5		SS	4.5		1410		X	X		05
SV-24-8		SS	8	7/9/20	1430		X	X		06
SV-25-4		SS	4	7/10/20	1055		X	X		07
SV-26-12		SS	12		1140		X	X		08
SV-27-5.5		SS	5.5		1315		X	X		09
SV-28-13.5	Grab	SS	13.5	7/10/20	1410	2	X	X		10

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __UPS __FedEx __Courier _____

Tracking # [illegible] 1750 0004 3780

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
	7/10/20	1600		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.2 °C 4.3±0=4.3 Bottles Received: 20	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/11/20 Time: 8:00	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:

Please Circle: PT MT CT ET

Phone: 206-529-3980

Client Project # 1413.001.02

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	V8260C 40mlAmb/MeOH5ml/Syr	dry weight 4ozClr-NoPres								Remarks	Sample # (lab only)
TB-071020	—	SS	—	7/10/20	1425	1	X									Trip BLANK	-11
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

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

SDG # L1238798

Table #

Acctnum: PESENVSWA

Template: T169956

Prelogin: P781866

PM: 546 - Jared Starkey

PB:

Shipped Via:

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

Remarks: EXCESS SAMPLING SUPPLIES RETURNED IN COOLER

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1750 0004 3780

Sample Receipt Checklist
COC Seal Present/Intact: __NP X 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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
RT McLaughlin	7/10/20	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Delacruz

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 4.3+0=4.3 °C

Bottles Received: 20

Date: 7/11/20 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

July 28, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1241285
Samples Received:	07/18/2020
Project Number:	141300102501F
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:

Jason Romer
Project Manager

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

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SV-08-071420 L1241285-01 Air

Collected by: SEM/RTM | Collected date/time: 07/14/20 13:37 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/23/20 14:13	07/23/20 14:13	DAH	Mt. Juliet, TN

SV-09-071420 L1241285-02 Air

Collected by: SEM/RTM | Collected date/time: 07/14/20 14:36 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/23/20 14:56	07/23/20 14:56	DAH	Mt. Juliet, TN

SV-900-071420 L1241285-03 Air

Collected by: SEM/RTM | Collected date/time: 07/14/20 14:36 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/23/20 15:41	07/23/20 15:41	DAH	Mt. Juliet, TN

SV-23-071420 L1241285-04 Air

Collected by: SEM/RTM | Collected date/time: 07/14/20 15:32 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/23/20 16:26	07/23/20 16:26	DAH	Mt. Juliet, TN

SV-24-071420 L1241285-05 Air

Collected by: SEM/RTM | Collected date/time: 07/14/20 15:40 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/23/20 17:09	07/23/20 17:09	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1514625	50	07/24/20 18:53	07/24/20 18:53	DAH	Mt. Juliet, TN

SV-27-071520 L1241285-06 Air

Collected by: SEM/RTM | Collected date/time: 07/15/20 14:37 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/23/20 17:51	07/23/20 17:51	DAH	Mt. Juliet, TN

SV01-071520 L1241285-07 Air

Collected by: SEM/RTM | Collected date/time: 07/15/20 13:40 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/23/20 18:35	07/23/20 18:35	DAH	Mt. Juliet, TN

SV-16-071520 L1241285-08 Air

Collected by: SEM/RTM | Collected date/time: 07/15/20 13:34 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/23/20 19:17	07/23/20 19:17	DAH	Mt. Juliet, TN

SV-26-071520 L1241285-09 Air

Collected by: SEM/RTM | Collected date/time: 07/15/20 08:36 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/23/20 19:59	07/23/20 19:59	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1514571	10	07/24/20 21:23	07/24/20 21:23	CAW	Mt. Juliet, TN

SV-25-071520 L1241285-10 Air

Collected by: SEM/RTM | Collected date/time: 07/15/20 10:03 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/23/20 20:43	07/23/20 20:43	DAH	Mt. Juliet, TN

SV-20-071520 L1241285-11 Air

Collected by: SEM/RTM | Collected date/time: 07/15/20 11:07 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/23/20 21:25	07/23/20 21:25	DAH	Mt. Juliet, TN

SV-19-071520 L1241285-12 Air

Collected by: SEM/RTM | Collected date/time: 07/15/20 11:28 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/23/20 22:08	07/23/20 22:08	DAH	Mt. Juliet, TN

SV-22-071520 L1241285-13 Air

Collected by: SEM/RTM | Collected date/time: 07/15/20 12:16 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/23/20 22:53	07/23/20 22:53	DAH	Mt. Juliet, TN

SV-21-071520 L1241285-14 Air

Collected by: SEM/RTM | Collected date/time: 07/15/20 12:25 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/23/20 23:37	07/23/20 23:37	DAH	Mt. Juliet, TN

SV-05-071620 L1241285-15 Air

Collected by: SEM/RTM | Collected date/time: 07/16/20 13:35 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/24/20 00:19	07/24/20 00:19	DAH	Mt. Juliet, TN

SV-18-071620 L1241285-16 Air

Collected by: SEM/RTM | Collected date/time: 07/16/20 11:30 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/24/20 01:01	07/24/20 01:01	DAH	Mt. Juliet, TN

SV-15-071620 L1241285-17 Air

Collected by: SEM/RTM | Collected date/time: 07/16/20 12:38 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/24/20 01:44	07/24/20 01:44	DAH	Mt. Juliet, TN

SV-04-071620 L1241285-18 Air

Collected by: SEM/RTM | Collected date/time: 07/16/20 13:26 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/24/20 02:27	07/24/20 02:27	DAH	Mt. Juliet, TN

SV-14-071620 L1241285-19 Air

Collected by: SEM/RTM | Collected date/time: 07/16/20 12:53 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514010	1	07/24/20 03:08	07/24/20 03:08	DAH	Mt. Juliet, TN

SV-12-071620 L1241285-20 Air

Collected by: SEM/RTM | Collected date/time: 07/16/20 09:28 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1515442	1	07/26/20 17:16	07/26/20 17:16	DAH	Mt. Juliet, TN

SV-11-071620 L1241285-21 Air

Collected by: SEM/RTM | Collected date/time: 07/16/20 10:28 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1515442	1	07/26/20 18:07	07/26/20 18:07	DAH	Mt. Juliet, TN

SV-10-071620 L1241285-22 Air

Collected by: SEM/RTM | Collected date/time: 07/16/20 10:25 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514585	1	07/24/20 12:01	07/24/20 12:01	CAW	Mt. Juliet, TN

SV-17-071620 L1241285-23 Air

Collected by: SEM/RTM | Collected date/time: 07/16/20 11:24 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514585	1	07/24/20 12:44	07/24/20 12:44	CAW	Mt. Juliet, TN

SV-06-071620 L1241285-24 Air

Collected by: SEM/RTM | Collected date/time: 07/16/20 08:14 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514585	1	07/24/20 13:26	07/24/20 13:26	CAW	Mt. Juliet, TN

SV-07-071620 L1241285-25 Air

Collected by: SEM/RTM | Collected date/time: 07/16/20 08:27 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514638	1	07/24/20 13:37	07/24/20 13:37	CAW	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1515454	10	07/26/20 15:25	07/26/20 15:25	CAW	Mt. Juliet, TN

SV-901-071620 L1241285-26 Air

Collected by: SEM/RTM | Collected date/time: 07/16/20 08:27 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514638	1	07/24/20 14:24	07/24/20 14:24	CAW	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1515454	10	07/26/20 16:02	07/26/20 16:02	CAW	Mt. Juliet, TN

SV-13-071620 L1241285-27 Air

Collected by: SEM/RTM | Collected date/time: 07/16/20 09:26 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514638	1	07/24/20 15:10	07/24/20 15:10	CAW	Mt. Juliet, TN

SV02-071720 L1241285-28 Air

Collected by: SEM/RTM | Collected date/time: 07/17/20 08:36 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514638	1	07/24/20 15:56	07/24/20 15:56	CAW	Mt. Juliet, TN

SV-28-071720 L1241285-29 Air

Collected by: SEM/RTM | Collected date/time: 07/17/20 09:43 | Received date/time: 07/18/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1514638	1	07/24/20 16:42	07/24/20 16:42	CAW	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.

Jason Romer
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	6.38	15.2		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.69	5.26		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	0.582	1.20		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	15.1	28.5		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.270	1.52		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.542	2.68		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.849	2.95		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	1.31	3.22		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.428	2.91		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	1.60	6.03		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.229	1.12		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	0.485	2.10		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	0.212	0.919		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.0*				WG1514010

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	4.78	11.4		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	2.07	6.44		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	0.567	1.17		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	9.02	17.0		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	0.201	0.871		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.383	1.88		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.505	2.84		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.595	2.94		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	1.30	4.58		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	3.72	12.9		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	2.97	20.2		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	0.997	3.76		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.684	3.36		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	0.592	2.57		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	0.229	0.993		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.2*				WG1514010

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	4.23	10.1		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	3.19	9.93		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	8.75	16.5		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.301	1.48		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.594	3.34		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.583	2.88		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	1.01	3.51		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	4.17	28.3		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	0.820	3.09		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.658	3.23		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.3*				WG1514010

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	4.34	10.3		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	3.57	11.1		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	9.52	17.9		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.208	1.02		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.396	2.23		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.862	2.99		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	1.63	4.01		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.37	9.30		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	1.20	4.52		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.253	1.24		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	0.582	2.52		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	0.226	0.980		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.3*				WG1514010

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	4.84	11.5		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	2.90	9.03		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	9.93	18.7		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	2.76	9.73		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	ND	ND		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	10.0	46.7	1620	7570		50	WG1514625
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*160*		J1		WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.7*				WG1514625

Sample Narrative:

L1241285-05 WG1514010: Surrogate failure due to matrix interference.

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	6.63	15.8		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	0.410	2.75		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	2.43	7.56		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	17.3	84.2		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	0.592	1.22		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	11.1	20.9		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	0.221	0.958		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.363	1.78		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.546	3.07		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.702	3.47		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	0.205	1.57		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	14.1	95.7		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	1.35	5.09		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	0.230	1.25		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.371	1.82		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	0.983	4.26		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	0.368	1.60		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*92.1*				WG1514010

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	5.24	12.5		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.371	1.15		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	0.408	0.843		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	0.742	2.97		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	8.72	16.4		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	0.293	1.27		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	1.68	8.25		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.460	2.27		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.263	1.79		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	0.986	3.71		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

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	10.0	54.4		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	4.41	21.6		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.844	4.14		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	1.31	5.68		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	0.558	2.42		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.3*				WG1514010

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	3.62	8.60		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	2.37	7.38		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	14.2	26.8		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	2.07	11.6		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.644	3.18		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.01	6.86		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	0.939	3.54		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.279	1.37		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	0.539	2.34		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	0.221	0.958		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.0*				WG1514010

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	7.91	18.8		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	1.43	4.57		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	6.49	20.2		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	0.772	3.98		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	10.7	20.2		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	0.888	3.85		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	1.26	6.18		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.728	3.60		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	2.44	9.98		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	11.2	39.5		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	2.11	5.19		1	WG1514010
Propene	115-07-1	42.10	4.00	6.89	279	480		10	WG1514571
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	9.85	66.9		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	4.10	15.4		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	0.487	2.61		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	2.01	9.87		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.644	3.16		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	2.99	13.0		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	1.18	5.12		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.4*				WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*79.0*				WG1514571

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	6.08	14.4		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	0.466	1.49		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	6.71	20.9		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	0.814	4.19		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	7.55	14.2		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	0.826	3.58		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	1.20	5.89		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	1.16	6.52		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.659	3.26		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	0.303	1.24		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	31.7	215		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	3.77	14.2		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	1.90	9.33		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.534	2.62		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	3.40	14.7		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	1.14	4.94		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.2*				WG1514010

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	4.16	9.89		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.947	2.95		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	8.54	16.1		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	0.235	1.02		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.475	2.33		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	12.0	67.4		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	7.70	38.1		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	0.737	2.60		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.471	1.64		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	6.24	18.4		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	11.0	74.7		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	1.05	3.96		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	0.665	3.62		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.602	2.95		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	0.993	4.31		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	0.367	1.59		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.5*				WG1514010

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	7.53	17.9		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	0.667	2.08		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	9.17	17.3		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	0.208	0.902		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.399	1.96		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	9.68	54.4		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	6.08	30.1		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	0.262	1.07		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	0.683	2.41		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.669	2.32		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	6.88	46.7		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	1.38	5.20		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	0.663	3.61		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.528	2.59		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.254	1.19		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	1.27	5.51		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	0.458	1.99		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.1*				WG1514010

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	9.98	23.7		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	10.1	31.4		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	5.90	11.1		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.314	1.54		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.864	4.86		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	0.214	0.875		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	1.38	3.39		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	2.20	14.9		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	1.27	4.78		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

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	1.29	7.02		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.460	2.26		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	0.791	3.43		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	0.296	1.28		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.8*				WG1514010

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	4.54	10.8		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	4.62	14.4		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	7.50	14.1		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.326	1.60		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.730	4.10		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.660	3.26		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	5.36	36.4		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	1.04	3.92		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

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	1.01	5.49		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.429	2.11		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	0.621	2.69		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	0.211	0.915		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.9*				WG1514010

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	6.18	14.7		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	1.16	3.71		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	42.5	132		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	0.547	1.88		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	8.73	16.5		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	0.395	1.71		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.311	1.53		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.915	5.14		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.624	3.09		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.879	3.05		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	30.8	53.0		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	5.08	34.5		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	2.61	9.83		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.778	3.82		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.217	1.07		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	1.02	4.42		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	0.540	2.34		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.4*				WG1514010

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	3.55	8.44		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	1.59	4.95		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	0.591	1.22		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	0.503	2.02		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	12.6	23.8		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.263	1.29		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.272	1.53		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.549	2.72		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	0.232	0.949		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	1.42	4.93		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	1.38	3.39		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	1.65	6.22		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

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	8.87	48.2		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.294	1.44		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.283	1.32		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	0.990	4.29		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	0.364	1.58		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.5*				WG1514010

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	5.12	12.2		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	3.41	10.6		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	10.3	19.4		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.870	4.89		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.804	2.79		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	1.03	3.88		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.256	1.26		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.9*				WG1514010

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	7.25	17.2		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	4.00	12.4		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	0.588	1.21		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	13.6	25.6		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.822	4.62		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.616	3.05		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.645	2.24		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	2.04	5.01		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	4.69	31.8		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	1.10	4.14		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.203	0.996		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.2*				WG1514010

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	48.1	114		1	WG1514010
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514010
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514010
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514010
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514010
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514010
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514010
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514010
Carbon disulfide	75-15-0	76.10	0.200	0.622	5.51	17.1		1	WG1514010
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514010
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514010
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514010
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514010
Chloromethane	74-87-3	50.50	0.200	0.413	0.791	1.63		1	WG1514010
2-Chlorotoluene	95-49-8	126	0.200	1.03	0.252	1.30		1	WG1514010
Cyclohexane	110-82-7	84.20	0.200	0.689	0.316	1.09		1	WG1514010
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514010
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514010
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514010
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514010
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514010
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514010
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514010
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514010
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514010
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514010
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514010
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514010
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514010
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514010
Ethanol	64-17-5	46.10	0.630	1.19	21.9	41.3		1	WG1514010
Ethylbenzene	100-41-4	106	0.200	0.867	0.521	2.26		1	WG1514010
4-Ethyltoluene	622-96-8	120	0.200	0.982	1.91	9.37		1	WG1514010
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	1.07	6.01		1	WG1514010
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.589	2.91		1	WG1514010
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514010
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514010
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514010
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514010
n-Hexane	110-54-3	86.20	0.630	2.22	3.54	12.5		1	WG1514010
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514010
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1514010
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514010
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	5.21	15.4		1	WG1514010
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514010
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514010
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514010
Naphthalene	91-20-3	128	0.630	3.30	2.16	11.3		1	WG1514010
2-Propanol	67-63-0	60.10	1.25	3.07	13.6	33.4		1	WG1514010
Propene	115-07-1	42.10	0.400	0.689	0.913	1.57		1	WG1514010
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514010
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514010
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.531	3.61		1	WG1514010
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514010
Toluene	108-88-3	92.10	0.200	0.753	1.72	6.48		1	WG1514010
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514010

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514010
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514010
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514010
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	8.13	39.9		1	WG1514010
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	2.48	12.2		1	WG1514010
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514010
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514010
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514010
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514010
m&p-Xylene	1330-20-7	106	0.400	1.73	2.40	10.4		1	WG1514010
o-Xylene	95-47-6	106	0.200	0.867	1.20	5.20		1	WG1514010
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.6*				WG1514010

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	6.07	14.4		1	WG1515442
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1515442
Benzene	71-43-2	78.10	0.200	0.639	0.254	0.811		1	WG1515442
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1515442
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1515442
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1515442
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1515442
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1515442
Carbon disulfide	75-15-0	76.10	0.200	0.622	5.29	16.5		1	WG1515442
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1515442
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1515442
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1515442
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1515442
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1515442
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1515442
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1515442
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1515442
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1515442
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1515442
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1515442
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1515442
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1515442
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1515442
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1515442
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1515442
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1515442
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1515442
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1515442
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1515442
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1515442
Ethanol	64-17-5	46.10	0.630	1.19	27.5	51.9		1	WG1515442
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1515442
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1515442
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.335	1.88		1	WG1515442
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1515442
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1515442
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1515442
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1515442
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1515442
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1515442
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1515442
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.348	1.21		1	WG1515442
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1515442
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.46	4.31		1	WG1515442
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1515442
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1515442
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1515442
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1515442
2-Propanol	67-63-0	60.10	1.25	3.07	2.12	5.21		1	WG1515442
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1515442
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1515442
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1515442
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.09	7.40		1	WG1515442
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1515442
Toluene	108-88-3	92.10	0.200	0.753	1.70	6.40		1	WG1515442
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1515442

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1515442
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1515442
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1515442
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.336	1.65		1	WG1515442
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1515442
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1515442
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1515442
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1515442
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1515442
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1515442
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1515442
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.9*				WG1515442

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	7.75	18.4		1	WG1515442
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1515442
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1515442
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1515442
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1515442
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1515442
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1515442
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1515442
Carbon disulfide	75-15-0	76.10	0.200	0.622	7.35	22.9		1	WG1515442
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1515442
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1515442
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1515442
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1515442
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1515442
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1515442
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1515442
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1515442
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1515442
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1515442
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1515442
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1515442
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1515442
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1515442
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1515442
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1515442
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1515442
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1515442
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1515442
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1515442
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1515442
Ethanol	64-17-5	46.10	0.630	1.19	16.0	30.2		1	WG1515442
Ethylbenzene	100-41-4	106	0.200	0.867	0.235	1.02		1	WG1515442
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.205	1.01		1	WG1515442
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG1515442
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG1515442
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1515442
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1515442
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1515442
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1515442
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1515442
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1515442
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.377	1.31		1	WG1515442
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1515442
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.25	3.69		1	WG1515442
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1515442
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1515442
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1515442
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1515442
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1515442
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1515442
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1515442
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1515442
Tetrachloroethylene	127-18-4	166	0.200	1.36	8.22	55.8		1	WG1515442
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1515442
Toluene	108-88-3	92.10	0.200	0.753	0.890	3.35		1	WG1515442
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1515442

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1515442
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1515442
Trichloroethylene	79-01-6	131	0.200	1.07	0.266	1.43		1	WG1515442
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.448	2.20		1	WG1515442
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1515442
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.291	1.36		1	WG1515442
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1515442
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1515442
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1515442
m&p-Xylene	1330-20-7	106	0.400	1.73	0.402	1.74		1	WG1515442
o-Xylene	95-47-6	106	0.200	0.867	0.200	0.867		1	WG1515442
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*101*				WG1515442

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	15.1	35.9		1	WG1514585
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514585
Benzene	71-43-2	78.10	0.200	0.639	0.279	0.891		1	WG1514585
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514585
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514585
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514585
Bromomethane	74-83-9	94.90	0.200	0.776	0.374	1.45		1	WG1514585
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514585
Carbon disulfide	75-15-0	76.10	0.200	0.622	45.0	140		1	WG1514585
Carbon tetrachloride	56-23-5	154	0.200	1.26	0.457	2.88		1	WG1514585
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514585
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514585
Chloroform	67-66-3	119	0.200	0.973	0.761	3.70		1	WG1514585
Chloromethane	74-87-3	50.50	0.200	0.413	0.996	2.06		1	WG1514585
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514585
Cyclohexane	110-82-7	84.20	0.200	0.689	0.398	1.37		1	WG1514585
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514585
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514585
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514585
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514585
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514585
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514585
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514585
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514585
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514585
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514585
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514585
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514585
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514585
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514585
Ethanol	64-17-5	46.10	0.630	1.19	5.25	9.90		1	WG1514585
Ethylbenzene	100-41-4	106	0.200	0.867	0.227	0.984		1	WG1514585
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.515	2.53		1	WG1514585
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.296	1.66		1	WG1514585
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.562	2.78		1	WG1514585
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514585
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514585
Heptane	142-82-5	100	0.200	0.818	0.845	3.46		1	WG1514585
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514585
n-Hexane	110-54-3	86.20	0.630	2.22	0.840	2.96		1	WG1514585
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514585
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.414	1.44		1	WG1514585
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514585
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.57	7.58		1	WG1514585
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514585
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514585
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514585
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514585
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514585
Propene	115-07-1	42.10	0.400	0.689	4.20	7.23		1	WG1514585
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514585
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514585
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.05	7.13		1	WG1514585
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514585
Toluene	108-88-3	92.10	0.200	0.753	1.16	4.37		1	WG1514585
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514585

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514585
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514585
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514585
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	1.13	5.55		1	WG1514585
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.434	2.13		1	WG1514585
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.215	1.00		1	WG1514585
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514585
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514585
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514585
m&p-Xylene	1330-20-7	106	0.400	1.73	1.18	5.12		1	WG1514585
o-Xylene	95-47-6	106	0.200	0.867	0.490	2.12		1	WG1514585
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.9*				WG1514585

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	4.63	11.0		1	WG1514585
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514585
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514585
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514585
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514585
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514585
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514585
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514585
Carbon disulfide	75-15-0	76.10	0.200	0.622	6.58	20.5		1	WG1514585
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514585
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514585
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514585
Chloroform	67-66-3	119	0.200	0.973	1.85	9.00		1	WG1514585
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1514585
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514585
Cyclohexane	110-82-7	84.20	0.200	0.689	0.220	0.758		1	WG1514585
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514585
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514585
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514585
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514585
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514585
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514585
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514585
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514585
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514585
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514585
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514585
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514585
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514585
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514585
Ethanol	64-17-5	46.10	0.630	1.19	7.35	13.9		1	WG1514585
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1514585
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.210	1.03		1	WG1514585
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	1.88	10.6		1	WG1514585
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.533	2.64		1	WG1514585
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514585
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514585
Heptane	142-82-5	100	0.200	0.818	0.319	1.30		1	WG1514585
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514585
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514585
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514585
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1514585
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514585
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514585
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514585
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514585
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514585
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514585
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514585
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514585
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514585
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514585
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.707	4.80		1	WG1514585
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514585
Toluene	108-88-3	92.10	0.200	0.753	0.917	3.45		1	WG1514585
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514585

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514585
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514585
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514585
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.363	1.78		1	WG1514585
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514585
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514585
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514585
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514585
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514585
m&p-Xylene	1330-20-7	106	0.400	1.73	0.628	2.72		1	WG1514585
o-Xylene	95-47-6	106	0.200	0.867	0.226	0.980		1	WG1514585
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*102*				WG1514585

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	4.75	11.3		1	WG1514585
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514585
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514585
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514585
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514585
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514585
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514585
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514585
Carbon disulfide	75-15-0	76.10	0.200	0.622	3.38	10.5		1	WG1514585
Carbon tetrachloride	56-23-5	154	0.200	1.26	0.365	2.30		1	WG1514585
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514585
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514585
Chloroform	67-66-3	119	0.200	0.973	0.332	1.62		1	WG1514585
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1514585
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514585
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514585
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514585
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514585
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514585
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514585
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514585
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514585
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514585
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514585
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514585
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514585
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514585
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514585
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514585
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514585
Ethanol	64-17-5	46.10	0.630	1.19	3.76	7.09		1	WG1514585
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1514585
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1514585
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.599	3.37		1	WG1514585
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.612	3.03		1	WG1514585
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514585
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514585
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514585
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514585
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514585
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514585
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1514585
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514585
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514585
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514585
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514585
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514585
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514585
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514585
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514585
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514585
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514585
Tetrachloroethylene	127-18-4	166	0.200	1.36	15.4	105		1	WG1514585
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514585
Toluene	108-88-3	92.10	0.200	0.753	0.207	0.780		1	WG1514585
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514585

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514585
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514585
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514585
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1514585
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514585
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514585
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514585
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514585
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514585
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1514585
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1514585
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.9*				WG1514585

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	4.64	11.0		1	WG1514638
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514638
Benzene	71-43-2	78.10	0.200	0.639	1.90	6.07		1	WG1514638
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514638
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514638
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514638
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514638
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514638
Carbon disulfide	75-15-0	76.10	0.200	0.622	17.0	52.9		1	WG1514638
Carbon tetrachloride	56-23-5	154	0.200	1.26	1.08	6.80		1	WG1514638
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514638
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514638
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514638
Chloromethane	74-87-3	50.50	0.200	0.413	11.7	24.2		1	WG1514638
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514638
Cyclohexane	110-82-7	84.20	0.200	0.689	14.9	51.3		1	WG1514638
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514638
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514638
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514638
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514638
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514638
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514638
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514638
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514638
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514638
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514638
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514638
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514638
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514638
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514638
Ethanol	64-17-5	46.10	0.630	1.19	4.84	9.13		1	WG1514638
Ethylbenzene	100-41-4	106	0.200	0.867	0.334	1.45		1	WG1514638
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.609	2.99		1	WG1514638
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.533	3.00		1	WG1514638
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.553	2.73		1	WG1514638
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514638
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514638
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514638
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514638
n-Hexane	110-54-3	86.20	0.630	2.22	1.91	6.73		1	WG1514638
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514638
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1514638
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514638
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.31	3.86		1	WG1514638
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514638
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514638
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514638
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514638
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG1514638
Propene	115-07-1	42.10	4.00	6.89	265	456		10	WG1515454
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514638
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514638
Tetrachloroethylene	127-18-4	166	0.200	1.36	6.41	43.5		1	WG1514638
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514638
Toluene	108-88-3	92.10	0.200	0.753	1.84	6.93		1	WG1514638
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514638

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514638
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514638
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514638
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.967	4.75		1	WG1514638
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.270	1.33		1	WG1514638
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514638
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514638
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514638
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514638
m&p-Xylene	1330-20-7	106	0.400	1.73	1.51	6.55		1	WG1514638
o-Xylene	95-47-6	106	0.200	0.867	0.630	2.73		1	WG1514638
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*101*				WG1514638
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*97.7*				WG1515454

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	5.42	12.9		1	WG1514638
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514638
Benzene	71-43-2	78.10	0.200	0.639	1.82	5.81		1	WG1514638
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514638
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514638
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514638
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514638
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514638
Carbon disulfide	75-15-0	76.10	0.200	0.622	15.6	48.6		1	WG1514638
Carbon tetrachloride	56-23-5	154	0.200	1.26	1.06	6.68		1	WG1514638
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514638
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514638
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514638
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1514638
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514638
Cyclohexane	110-82-7	84.20	0.200	0.689	14.5	49.9		1	WG1514638
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514638
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514638
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514638
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514638
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514638
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514638
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514638
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514638
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514638
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514638
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514638
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514638
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514638
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514638
Ethanol	64-17-5	46.10	0.630	1.19	23.6	44.5		1	WG1514638
Ethylbenzene	100-41-4	106	0.200	0.867	0.235	1.02		1	WG1514638
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1514638
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.526	2.96		1	WG1514638
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.563	2.78		1	WG1514638
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514638
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514638
Heptane	142-82-5	100	0.200	0.818	0.442	1.81		1	WG1514638
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514638
n-Hexane	110-54-3	86.20	0.630	2.22	1.65	5.82		1	WG1514638
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514638
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1514638
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514638
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.45	4.28		1	WG1514638
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514638
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514638
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514638
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514638
2-Propanol	67-63-0	60.10	1.25	3.07	1.62	3.98		1	WG1514638
Propene	115-07-1	42.10	4.00	6.89	233	401		10	WG1515454
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514638
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514638
Tetrachloroethylene	127-18-4	166	0.200	1.36	6.26	42.5		1	WG1514638
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514638
Toluene	108-88-3	92.10	0.200	0.753	3.20	12.1		1	WG1514638
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514638

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514638
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514638
Trichloroethylene	79-01-6	131	0.200	1.07	0.221	1.18		1	WG1514638
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.453	2.22		1	WG1514638
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514638
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514638
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514638
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514638
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514638
m&p-Xylene	1330-20-7	106	0.400	1.73	0.560	2.43		1	WG1514638
o-Xylene	95-47-6	106	0.200	0.867	0.307	1.33		1	WG1514638
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*101*				WG1514638
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.0*				WG1515454

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	15.3	36.4		1	WG1514638
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514638
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514638
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514638
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514638
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514638
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514638
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514638
Carbon disulfide	75-15-0	76.10	0.200	0.622	3.87	12.0		1	WG1514638
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514638
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514638
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514638
Chloroform	67-66-3	119	0.200	0.973	1.17	5.69		1	WG1514638
Chloromethane	74-87-3	50.50	0.200	0.413	0.496	1.02		1	WG1514638
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514638
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG1514638
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514638
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514638
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514638
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514638
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514638
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514638
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514638
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514638
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514638
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514638
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514638
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514638
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514638
1,4-Dioxane	123-91-1	88.10	0.200	0.721	0.497	1.79		1	WG1514638
Ethanol	64-17-5	46.10	0.630	1.19	31.3	59.0		1	WG1514638
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1514638
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG1514638
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.291	1.64		1	WG1514638
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.384	1.90		1	WG1514638
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514638
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514638
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514638
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514638
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1514638
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514638
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1514638
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514638
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.46	4.31		1	WG1514638
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514638
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514638
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514638
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514638
2-Propanol	67-63-0	60.10	1.25	3.07	2.30	5.65		1	WG1514638
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514638
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514638
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514638
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.476	3.23		1	WG1514638
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	0.352	1.04		1	WG1514638
Toluene	108-88-3	92.10	0.200	0.753	2.54	9.57		1	WG1514638
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514638

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514638
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514638
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514638
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.245	1.20		1	WG1514638
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514638
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514638
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514638
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514638
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514638
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1514638
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1514638
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.1*				WG1514638

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	5.57	13.2		1	WG1514638
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514638
Benzene	71-43-2	78.10	0.200	0.639	0.315	1.01		1	WG1514638
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514638
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514638
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514638
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514638
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514638
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1514638
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514638
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514638
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514638
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1514638
Chloromethane	74-87-3	50.50	0.200	0.413	0.372	0.768		1	WG1514638
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514638
Cyclohexane	110-82-7	84.20	0.200	0.689	0.850	2.93		1	WG1514638
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514638
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514638
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514638
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514638
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514638
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514638
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514638
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514638
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514638
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514638
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514638
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514638
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514638
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514638
Ethanol	64-17-5	46.10	0.630	1.19	20.9	39.4		1	WG1514638
Ethylbenzene	100-41-4	106	0.200	0.867	0.464	2.01		1	WG1514638
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.890	4.37		1	WG1514638
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	3.05	17.1		1	WG1514638
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.420	2.08		1	WG1514638
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514638
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514638
Heptane	142-82-5	100	0.200	0.818	0.600	2.45		1	WG1514638
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514638
n-Hexane	110-54-3	86.20	0.630	2.22	0.996	3.51		1	WG1514638
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514638
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.235	0.816		1	WG1514638
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514638
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514638
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514638
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514638
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514638
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514638
2-Propanol	67-63-0	60.10	1.25	3.07	1.54	3.79		1	WG1514638
Propene	115-07-1	42.10	0.400	0.689	ND	ND		1	WG1514638
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514638
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514638
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.40	9.51		1	WG1514638
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG1514638
Toluene	108-88-3	92.10	0.200	0.753	2.41	9.08		1	WG1514638
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514638

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	0.217	1.18		1	WG1514638
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514638
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514638
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	1.07	5.25		1	WG1514638
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.351	1.72		1	WG1514638
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.470	2.20		1	WG1514638
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514638
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514638
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514638
m&p-Xylene	1330-20-7	106	0.400	1.73	3.34	14.5		1	WG1514638
o-Xylene	95-47-6	106	0.200	0.867	1.21	5.25		1	WG1514638
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.3*				WG1514638

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	40.5	96.2		1	WG1514638
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1514638
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1514638
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1514638
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1514638
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1514638
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1514638
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG1514638
Carbon disulfide	75-15-0	76.10	0.200	0.622	2.13	6.63		1	WG1514638
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1514638
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1514638
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1514638
Chloroform	67-66-3	119	0.200	0.973	0.356	1.73		1	WG1514638
Chloromethane	74-87-3	50.50	0.200	0.413	0.403	0.832		1	WG1514638
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG1514638
Cyclohexane	110-82-7	84.20	0.200	0.689	0.233	0.802		1	WG1514638
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1514638
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1514638
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1514638
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1514638
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1514638
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1514638
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1514638
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1514638
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1514638
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1514638
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1514638
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1514638
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1514638
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1514638
Ethanol	64-17-5	46.10	0.630	1.19	27.5	51.9		1	WG1514638
Ethylbenzene	100-41-4	106	0.200	0.867	0.211	0.915		1	WG1514638
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.237	1.16		1	WG1514638
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.317	1.78		1	WG1514638
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.480	2.37		1	WG1514638
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG1514638
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG1514638
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG1514638
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1514638
n-Hexane	110-54-3	86.20	0.630	2.22	1.24	4.37		1	WG1514638
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1514638
Methylene Chloride	75-09-2	84.90	0.200	0.694	1.64	5.69		1	WG1514638
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1514638
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1514638
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1514638
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1514638
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1514638
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1514638
2-Propanol	67-63-0	60.10	1.25	3.07	1.98	4.87		1	WG1514638
Propene	115-07-1	42.10	0.400	0.689	1.10	1.89		1	WG1514638
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1514638
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1514638
Tetrachloroethylene	127-18-4	166	0.200	1.36	4.65	31.6		1	WG1514638
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	0.368	1.09		1	WG1514638
Toluene	108-88-3	92.10	0.200	0.753	1.47	5.54		1	WG1514638
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1514638

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1514638
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1514638
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1514638
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.398	1.95		1	WG1514638
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1514638
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG1514638
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1514638
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG1514638
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1514638
m&p-Xylene	1330-20-7	106	0.400	1.73	0.648	2.81		1	WG1514638
o-Xylene	95-47-6	106	0.200	0.867	0.284	1.23		1	WG1514638
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.8*				WG1514638

Method Blank (MB)

(MB) R3552465-3 07/23/20 12:45

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200

Method Blank (MB)

(MB) R3552465-3 07/23/20 12:45

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	0.400
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.200
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
Ethanol	0.267	J	0.265	0.630
(S) 1,4-Bromofluorobenzene	*95.4*			*60.0-140*

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

(LCS) R3552465-1 07/23/20 11:24 • (LCSD) R3552465-2 07/23/20 12:05

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	3.64	3.61	97.1	96.3	55.0-148			0.828	25
Propene	3.75	4.02	4.03	107	107	64.0-144			0.248	25
Dichlorodifluoromethane	3.75	4.43	4.55	118	121	64.0-139			2.67	25
1,2-Dichlorotetrafluoroethane	3.75	4.38	4.46	117	119	70.0-130			1.81	25
Chloromethane	3.75	3.91	3.99	104	106	70.0-130			2.03	25

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

(LCS) R3552465-1 07/23/20 11:24 • (LCSD) R3552465-2 07/23/20 12:05

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	3.72	3.99	99.2	106	70.0-130			7.00	25
1,3-Butadiene	3.75	3.17	3.45	84.5	92.0	70.0-130			8.46	25
Bromomethane	3.75	3.84	4.15	102	111	70.0-130			7.76	25
Chloroethane	3.75	3.54	3.67	94.4	97.9	70.0-130			3.61	25
Trichlorofluoromethane	3.75	4.34	4.36	116	116	70.0-130			0.460	25
1,1,2-Trichlorotrifluoroethane	3.75	4.41	4.43	118	118	70.0-130			0.452	25
1,1-Dichloroethene	3.75	4.14	4.16	110	111	70.0-130			0.482	25
1,1-Dichloroethane	3.75	4.10	4.12	109	110	70.0-130			0.487	25
Acetone	3.75	4.05	3.63	108	96.8	70.0-130			10.9	25
2-Propanol	3.75	3.76	3.82	100	102	70.0-139			1.58	25
Carbon disulfide	3.75	4.19	4.23	112	113	70.0-130			0.950	25
Methylene Chloride	3.75	3.77	3.93	101	105	70.0-130			4.16	25
MTBE	3.75	4.19	4.33	112	115	70.0-130			3.29	25
trans-1,2-Dichloroethene	3.75	4.12	4.19	110	112	70.0-130			1.68	25
n-Hexane	3.75	4.16	4.12	111	110	70.0-130			0.966	25
Vinyl acetate	3.75	3.32	3.43	88.5	91.5	70.0-130			3.26	25
Methyl Ethyl Ketone	3.75	4.24	4.33	113	115	70.0-130			2.10	25
cis-1,2-Dichloroethene	3.75	3.95	4.05	105	108	70.0-130			2.50	25
Chloroform	3.75	4.36	4.36	116	116	70.0-130			0.000	25
Cyclohexane	3.75	4.32	4.34	115	116	70.0-130			0.462	25
1,1,1-Trichloroethane	3.75	4.37	4.52	117	121	70.0-130			3.37	25
Carbon tetrachloride	3.75	4.49	4.52	120	121	70.0-130			0.666	25
Benzene	3.75	4.28	4.34	114	116	70.0-130			1.39	25
1,2-Dichloroethane	3.75	4.18	4.26	111	114	70.0-130			1.90	25
Heptane	3.75	3.08	3.24	82.1	86.4	70.0-130			5.06	25
Trichloroethylene	3.75	4.45	4.62	119	123	70.0-130			3.75	25
1,2-Dichloropropane	3.75	4.07	4.20	109	112	70.0-130			3.14	25
1,4-Dioxane	3.75	4.05	4.15	108	111	70.0-140			2.44	25
Bromodichloromethane	3.75	4.38	4.44	117	118	70.0-130			1.36	25
cis-1,3-Dichloropropene	3.75	4.33	4.29	115	114	70.0-130			0.928	25
4-Methyl-2-pentanone (MIBK)	3.75	3.91	4.04	104	108	70.0-139			3.27	25
Toluene	3.75	4.47	4.54	119	121	70.0-130			1.55	25
trans-1,3-Dichloropropene	3.75	4.27	4.46	114	119	70.0-130			4.35	25
1,1,2-Trichloroethane	3.75	4.43	4.52	118	121	70.0-130			2.01	25
Tetrachloroethylene	3.75	4.72	4.88	126	130	70.0-130			3.33	25
Methyl Butyl Ketone	3.75	3.88	3.98	103	106	70.0-149			2.54	25
Dibromochloromethane	3.75	4.50	4.64	120	124	70.0-130			3.06	25
1,2-Dibromoethane	3.75	4.57	4.69	122	125	70.0-130			2.59	25
Chlorobenzene	3.75	4.52	4.61	121	123	70.0-130			1.97	25
Ethylbenzene	3.75	4.44	4.52	118	121	70.0-130			1.79	25

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

(LCS) R3552465-1 07/23/20 11:24 • (LCSD) R3552465-2 07/23/20 12:05

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	9.09	9.01	121	120	70.0-130			0.884	25
o-Xylene	3.75	4.42	4.53	118	121	70.0-130			2.46	25
Styrene	3.75	4.51	4.59	120	122	70.0-130			1.76	25
Bromoform	3.75	4.68	4.78	125	127	70.0-130			2.11	25
1,1,2,2-Tetrachloroethane	3.75	4.31	4.41	115	118	70.0-130			2.29	25
4-Ethyltoluene	3.75	4.51	4.56	120	122	70.0-130			1.10	25
1,3,5-Trimethylbenzene	3.75	4.57	4.57	122	122	70.0-130			0.000	25
1,2,4-Trimethylbenzene	3.75	4.45	4.60	119	123	70.0-130			3.31	25
1,3-Dichlorobenzene	3.75	4.71	4.60	126	123	70.0-130			2.36	25
1,4-Dichlorobenzene	3.75	4.73	4.64	126	124	70.0-130			1.92	25
Benzyl Chloride	3.75	4.57	4.42	122	118	70.0-152			3.34	25
1,2-Dichlorobenzene	3.75	4.69	4.61	125	123	70.0-130			1.72	25
1,2,4-Trichlorobenzene	3.75	4.85	4.95	129	132	70.0-160			2.04	25
Hexachloro-1,3-butadiene	3.75	4.98	5.01	133	134	70.0-151			0.601	25
Naphthalene	3.75	4.61	4.66	123	124	70.0-159			1.08	25
Allyl Chloride	3.75	3.86	4.22	103	113	70.0-130			8.91	25
2-Chlorotoluene	3.75	4.47	4.60	119	123	70.0-130			2.87	25
Methyl Methacrylate	3.75	4.17	4.33	111	115	70.0-130			3.76	25
Tetrahydrofuran	3.75	3.80	3.95	101	105	70.0-137			3.87	25
2,2,4-Trimethylpentane	3.75	4.06	4.11	108	110	70.0-130			1.22	25
Vinyl Bromide	3.75	4.25	4.44	113	118	70.0-130			4.37	25
Isopropylbenzene	3.75	4.44	4.57	118	122	70.0-130			2.89	25
(S) 1,4-Bromofluorobenzene				*95.2*	*95.4*	*60.0-140*				

Method Blank (MB)

(MB) R3552900-3 07/24/20 08:21

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Propene	0.146	J	0.0932	0.400
(S) 1,4-Bromofluorobenzene	*80.4*			*60.0-140*

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

(LCS) R3552900-1 07/24/20 07:06 • (LCSD) R3552900-2 07/24/20 07:44

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Propene	3.75	3.50	3.29	93.3	87.7	64.0-144			6.19	25
(S) 1,4-Bromofluorobenzene				*87.4*	*87.7*	*60.0-140*				

Method Blank (MB)

(MB) R3553389-2 07/24/20 08:39

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200

Method Blank (MB)

(MB) R3553389-2 07/24/20 08:39

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	0.400
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.200
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
Ethanol	U		0.265	0.630
(S) 1,4-Bromofluorobenzene	*97.2*			*60.0-140*

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

(LCS) R3553389-1 07/24/20 07:58 • (LCSD) R3553389-3 07/24/20 11:19

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	3.63	3.25	96.8	86.7	55.0-148			11.0	25
Propene	3.75	3.61	3.63	96.3	96.8	64.0-144			0.552	25
Dichlorodifluoromethane	3.75	3.76	3.76	100	100	64.0-139			0.000	25
1,2-Dichlorotetrafluoroethane	3.75	3.66	3.69	97.6	98.4	70.0-130			0.816	25
Chloromethane	3.75	3.63	3.59	96.8	95.7	70.0-130			1.11	25

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

(LCS) R3553389-1 07/24/20 07:58 • (LCSD) R3553389-3 07/24/20 11:19

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	3.73	3.77	99.5	101	70.0-130			1.07	25
1,3-Butadiene	3.75	3.63	3.55	96.8	94.7	70.0-130			2.23	25
Bromomethane	3.75	3.57	3.67	95.2	97.9	70.0-130			2.76	25
Chloroethane	3.75	3.89	3.80	104	101	70.0-130			2.34	25
Trichlorofluoromethane	3.75	3.66	3.66	97.6	97.6	70.0-130			0.000	25
1,1,2-Trichlorotrifluoroethane	3.75	3.70	3.68	98.7	98.1	70.0-130			0.542	25
1,1-Dichloroethene	3.75	3.66	3.74	97.6	99.7	70.0-130			2.16	25
1,1-Dichloroethane	3.75	3.70	3.64	98.7	97.1	70.0-130			1.63	25
Acetone	3.75	3.65	3.68	97.3	98.1	70.0-130			0.819	25
2-Propanol	3.75	3.47	3.42	92.5	91.2	70.0-139			1.45	25
Carbon disulfide	3.75	3.59	3.59	95.7	95.7	70.0-130			0.000	25
Methylene Chloride	3.75	3.50	3.55	93.3	94.7	70.0-130			1.42	25
MTBE	3.75	3.42	3.42	91.2	91.2	70.0-130			0.000	25
trans-1,2-Dichloroethene	3.75	3.57	3.65	95.2	97.3	70.0-130			2.22	25
n-Hexane	3.75	3.69	3.71	98.4	98.9	70.0-130			0.541	25
Vinyl acetate	3.75	3.03	3.55	80.8	94.7	70.0-130			15.8	25
Methyl Ethyl Ketone	3.75	3.50	3.48	93.3	92.8	70.0-130			0.573	25
cis-1,2-Dichloroethene	3.75	3.56	3.67	94.9	97.9	70.0-130			3.04	25
Chloroform	3.75	3.63	3.64	96.8	97.1	70.0-130			0.275	25
Cyclohexane	3.75	3.66	3.48	97.6	92.8	70.0-130			5.04	25
1,1,1-Trichloroethane	3.75	3.64	3.55	97.1	94.7	70.0-130			2.50	25
Carbon tetrachloride	3.75	3.59	3.54	95.7	94.4	70.0-130			1.40	25
Benzene	3.75	3.68	3.60	98.1	96.0	70.0-130			2.20	25
1,2-Dichloroethane	3.75	3.63	3.67	96.8	97.9	70.0-130			1.10	25
Heptane	3.75	2.98	3.00	79.5	80.0	70.0-130			0.669	25
Trichloroethylene	3.75	3.48	3.48	92.8	92.8	70.0-130			0.000	25
1,2-Dichloropropane	3.75	3.60	3.60	96.0	96.0	70.0-130			0.000	25
1,4-Dioxane	3.75	3.49	3.43	93.1	91.5	70.0-140			1.73	25
Bromodichloromethane	3.75	3.65	3.64	97.3	97.1	70.0-130			0.274	25
cis-1,3-Dichloropropene	3.75	3.70	3.67	98.7	97.9	70.0-130			0.814	25
4-Methyl-2-pentanone (MIBK)	3.75	3.66	3.58	97.6	95.5	70.0-139			2.21	25
Toluene	3.75	3.68	3.59	98.1	95.7	70.0-130			2.48	25
trans-1,3-Dichloropropene	3.75	3.65	3.64	97.3	97.1	70.0-130			0.274	25
1,1,2-Trichloroethane	3.75	3.68	3.63	98.1	96.8	70.0-130			1.37	25
Tetrachloroethylene	3.75	3.49	3.43	93.1	91.5	70.0-130			1.73	25
Methyl Butyl Ketone	3.75	3.85	3.74	103	99.7	70.0-149			2.90	25
Dibromochloromethane	3.75	3.68	3.70	98.1	98.7	70.0-130			0.542	25
1,2-Dibromoethane	3.75	3.79	3.72	101	99.2	70.0-130			1.86	25
Chlorobenzene	3.75	3.72	3.66	99.2	97.6	70.0-130			1.63	25
Ethylbenzene	3.75	3.70	3.69	98.7	98.4	70.0-130			0.271	25

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

(LCS) R3553389-1 07/24/20 07:58 • (LCSD) R3553389-3 07/24/20 11:19

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	7.52	7.49	100	99.9	70.0-130			0.400	25
o-Xylene	3.75	3.70	3.65	98.7	97.3	70.0-130			1.36	25
Styrene	3.75	3.92	3.89	105	104	70.0-130			0.768	25
Bromoform	3.75	3.74	3.78	99.7	101	70.0-130			1.06	25
1,1,2,2-Tetrachloroethane	3.75	3.80	3.84	101	102	70.0-130			1.05	25
4-Ethyltoluene	3.75	4.11	4.04	110	108	70.0-130			1.72	25
1,3,5-Trimethylbenzene	3.75	3.84	3.76	102	100	70.0-130			2.11	25
1,2,4-Trimethylbenzene	3.75	3.90	3.83	104	102	70.0-130			1.81	25
1,3-Dichlorobenzene	3.75	4.26	4.21	114	112	70.0-130			1.18	25
1,4-Dichlorobenzene	3.75	4.53	4.34	121	116	70.0-130			4.28	25
Benzyl Chloride	3.75	4.85	4.88	129	130	70.0-152			0.617	25
1,2-Dichlorobenzene	3.75	4.23	4.15	113	111	70.0-130			1.91	25
1,2,4-Trichlorobenzene	3.75	4.98	4.80	133	128	70.0-160			3.68	25
Hexachloro-1,3-butadiene	3.75	4.11	4.02	110	107	70.0-151			2.21	25
Naphthalene	3.75	4.87	4.70	130	125	70.0-159			3.55	25
Allyl Chloride	3.75	3.75	3.48	100	92.8	70.0-130			7.47	25
2-Chlorotoluene	3.75	3.85	3.72	103	99.2	70.0-130			3.43	25
Methyl Methacrylate	3.75	3.35	3.35	89.3	89.3	70.0-130			0.000	25
Tetrahydrofuran	3.75	3.51	3.40	93.6	90.7	70.0-137			3.18	25
2,2,4-Trimethylpentane	3.75	3.68	3.54	98.1	94.4	70.0-130			3.88	25
Vinyl Bromide	3.75	3.75	3.72	100	99.2	70.0-130			0.803	25
Isopropylbenzene	3.75	3.78	3.73	101	99.5	70.0-130			1.33	25
(S) 1,4-Bromofluorobenzene				*102*	*100*	*60.0-140*				

Method Blank (MB)

(MB) R3552820-3 07/24/20 08:32

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
2,2,4-Trimethylpentane	U		0.133	0.200
(S) 1,4-Bromofluorobenzene	*95.3*			*60.0-140*

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

(LCS) R3552820-1 07/24/20 07:10 • (LCSD) R3552820-2 07/24/20 07:52

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,2,4-Trimethylpentane	3.75	4.37	4.45	117	119	70.0-130			1.81	25
(S) 1,4-Bromofluorobenzene				*95.3*	*96.0*	*60.0-140*				

Method Blank (MB)

(MB) R3552873-3 07/24/20 08:53

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200

Method Blank (MB)

(MB) R3552873-3 07/24/20 08:53

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	0.109	J	0.0932	0.400
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.200
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
Ethanol	U		0.265	0.630
(S) 1,4-Bromofluorobenzene	*98.5*			*60.0-140*

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

(LCS) R3552873-1 07/24/20 07:24 • (LCSD) R3552873-2 07/24/20 08:09

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	3.45	3.35	92.0	89.3	55.0-148			2.94	25
Propene	3.75	3.31	3.51	88.3	93.6	64.0-144			5.87	25
Dichlorodifluoromethane	3.75	3.69	3.81	98.4	102	64.0-139			3.20	25
1,2-Dichlorotetrafluoroethane	3.75	3.75	3.89	100	104	70.0-130			3.66	25
Chloromethane	3.75	3.45	3.65	92.0	97.3	70.0-130			5.63	25

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

(LCS) R3552873-1 07/24/20 07:24 • (LCSD) R3552873-2 07/24/20 08:09

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	3.72	3.82	99.2	102	70.0-130			2.65	25
1,3-Butadiene	3.75	3.30	3.26	88.0	86.9	70.0-130			1.22	25
Bromomethane	3.75	3.82	3.60	102	96.0	70.0-130			5.93	25
Chloroethane	3.75	3.94	3.65	105	97.3	70.0-130			7.64	25
Trichlorofluoromethane	3.75	3.66	3.57	97.6	95.2	70.0-130			2.49	25
1,1,2-Trichlorotrifluoroethane	3.75	3.78	3.69	101	98.4	70.0-130			2.41	25
1,1-Dichloroethene	3.75	3.73	3.62	99.5	96.5	70.0-130			2.99	25
1,1-Dichloroethane	3.75	3.80	3.73	101	99.5	70.0-130			1.86	25
Acetone	3.75	3.25	3.23	86.7	86.1	70.0-130			0.617	25
2-Propanol	3.75	3.57	3.49	95.2	93.1	70.0-139			2.27	25
Carbon disulfide	3.75	3.74	3.72	99.7	99.2	70.0-130			0.536	25
Methylene Chloride	3.75	3.45	3.37	92.0	89.9	70.0-130			2.35	25
MTBE	3.75	3.86	3.82	103	102	70.0-130			1.04	25
trans-1,2-Dichloroethene	3.75	3.73	3.71	99.5	98.9	70.0-130			0.538	25
n-Hexane	3.75	3.17	3.08	84.5	82.1	70.0-130			2.88	25
Vinyl acetate	3.75	3.47	3.55	92.5	94.7	70.0-130			2.28	25
Methyl Ethyl Ketone	3.75	4.13	4.00	110	107	70.0-130			3.20	25
cis-1,2-Dichloroethene	3.75	3.82	3.79	102	101	70.0-130			0.788	25
Chloroform	3.75	3.75	3.78	100	101	70.0-130			0.797	25
Cyclohexane	3.75	3.86	3.78	103	101	70.0-130			2.09	25
1,1,1-Trichloroethane	3.75	3.78	3.75	101	100	70.0-130			0.797	25
Carbon tetrachloride	3.75	3.65	3.64	97.3	97.1	70.0-130			0.274	25
Benzene	3.75	3.71	3.68	98.9	98.1	70.0-130			0.812	25
1,2-Dichloroethane	3.75	3.60	3.63	96.0	96.8	70.0-130			0.830	25
Heptane	3.75	3.87	3.84	103	102	70.0-130			0.778	25
Trichloroethylene	3.75	3.71	3.72	98.9	99.2	70.0-130			0.269	25
1,2-Dichloropropane	3.75	3.74	3.74	99.7	99.7	70.0-130			0.000	25
1,4-Dioxane	3.75	3.64	3.69	97.1	98.4	70.0-140			1.36	25
Bromodichloromethane	3.75	3.64	3.66	97.1	97.6	70.0-130			0.548	25
cis-1,3-Dichloropropene	3.75	3.84	3.80	102	101	70.0-130			1.05	25
4-Methyl-2-pentanone (MIBK)	3.75	3.66	3.64	97.6	97.1	70.0-139			0.548	25
Toluene	3.75	3.38	3.35	90.1	89.3	70.0-130			0.892	25
trans-1,3-Dichloropropene	3.75	3.88	3.84	103	102	70.0-130			1.04	25
1,1,2-Trichloroethane	3.75	3.76	3.79	100	101	70.0-130			0.795	25
Tetrachloroethylene	3.75	3.68	3.73	98.1	99.5	70.0-130			1.35	25
Methyl Butyl Ketone	3.75	3.80	3.71	101	98.9	70.0-149			2.40	25
Dibromochloromethane	3.75	3.71	3.73	98.9	99.5	70.0-130			0.538	25
1,2-Dibromoethane	3.75	3.91	3.91	104	104	70.0-130			0.000	25
Chlorobenzene	3.75	3.98	3.97	106	106	70.0-130			0.252	25
Ethylbenzene	3.75	3.85	3.81	103	102	70.0-130			1.04	25

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

(LCS) R3552873-1 07/24/20 07:24 • (LCSD) R3552873-2 07/24/20 08:09

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	7.62	7.53	102	100	70.0-130			1.19	25
o-Xylene	3.75	3.83	3.77	102	101	70.0-130			1.58	25
Styrene	3.75	3.92	3.86	105	103	70.0-130			1.54	25
Bromoform	3.75	3.54	3.56	94.4	94.9	70.0-130			0.563	25
1,1,2,2-Tetrachloroethane	3.75	3.80	3.78	101	101	70.0-130			0.528	25
4-Ethyltoluene	3.75	3.89	3.87	104	103	70.0-130			0.515	25
1,3,5-Trimethylbenzene	3.75	3.84	3.81	102	102	70.0-130			0.784	25
1,2,4-Trimethylbenzene	3.75	3.88	3.86	103	103	70.0-130			0.517	25
1,3-Dichlorobenzene	3.75	3.71	3.72	98.9	99.2	70.0-130			0.269	25
1,4-Dichlorobenzene	3.75	3.74	3.77	99.7	101	70.0-130			0.799	25
Benzyl Chloride	3.75	3.75	3.74	100	99.7	70.0-152			0.267	25
1,2-Dichlorobenzene	3.75	3.65	3.66	97.3	97.6	70.0-130			0.274	25
1,2,4-Trichlorobenzene	3.75	3.60	3.67	96.0	97.9	70.0-160			1.93	25
Hexachloro-1,3-butadiene	3.75	3.57	3.64	95.2	97.1	70.0-151			1.94	25
Naphthalene	3.75	3.56	3.62	94.9	96.5	70.0-159			1.67	25
Allyl Chloride	3.75	3.93	3.85	105	103	70.0-130			2.06	25
2-Chlorotoluene	3.75	3.85	3.83	103	102	70.0-130			0.521	25
Methyl Methacrylate	3.75	3.92	3.93	105	105	70.0-130			0.255	25
Tetrahydrofuran	3.75	3.37	3.32	89.9	88.5	70.0-137			1.49	25
2,2,4-Trimethylpentane	3.75	3.65	3.61	97.3	96.3	70.0-130			1.10	25
Vinyl Bromide	3.75	3.80	3.60	101	96.0	70.0-130			5.41	25
Isopropylbenzene	3.75	3.86	3.83	103	102	70.0-130			0.780	25
(S) 1,4-Bromofluorobenzene				*99.8*	*99.4*	*60.0-140*				

Method Blank (MB)

(MB) R3553424-3 07/26/20 09:49

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200

Method Blank (MB)

(MB) R3553424-3 07/26/20 09:49

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	0.400
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.200
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
Ethanol	U		0.265	0.630
(S) 1,4-Bromofluorobenzene	*97.1*			*60.0-140*

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

(LCS) R3553424-1 07/26/20 08:17 • (LCSD) R3553424-2 07/26/20 09:03

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	3.81	3.88	102	103	55.0-148			1.82	25
Propene	3.75	3.70	3.77	98.7	101	64.0-144			1.87	25
Dichlorodifluoromethane	3.75	3.82	3.84	102	102	64.0-139			0.522	25
1,2-Dichlorotetrafluoroethane	3.75	3.91	3.95	104	105	70.0-130			1.02	25
Chloromethane	3.75	3.89	3.89	104	104	70.0-130			0.000	25

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

(LCS) R3553424-1 07/26/20 08:17 • (LCSD) R3553424-2 07/26/20 09:03

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	3.95	3.97	105	106	70.0-130			0.505	25
1,3-Butadiene	3.75	3.93	3.88	105	103	70.0-130			1.28	25
Bromomethane	3.75	3.74	3.68	99.7	98.1	70.0-130			1.62	25
Chloroethane	3.75	3.79	3.75	101	100	70.0-130			1.06	25
Trichlorofluoromethane	3.75	3.84	3.88	102	103	70.0-130			1.04	25
1,1,2-Trichlorotrifluoroethane	3.75	3.87	3.91	103	104	70.0-130			1.03	25
1,1-Dichloroethene	3.75	3.86	3.93	103	105	70.0-130			1.80	25
1,1-Dichloroethane	3.75	3.92	3.98	105	106	70.0-130			1.52	25
Acetone	3.75	3.61	3.70	96.3	98.7	70.0-130			2.46	25
2-Propanol	3.75	3.92	3.94	105	105	70.0-139			0.509	25
Carbon disulfide	3.75	3.83	3.90	102	104	70.0-130			1.81	25
Methylene Chloride	3.75	3.78	3.86	101	103	70.0-130			2.09	25
MTBE	3.75	3.87	3.90	103	104	70.0-130			0.772	25
trans-1,2-Dichloroethene	3.75	3.89	3.95	104	105	70.0-130			1.53	25
n-Hexane	3.75	3.25	3.28	86.7	87.5	70.0-130			0.919	25
Vinyl acetate	3.75	3.81	3.88	102	103	70.0-130			1.82	25
Methyl Ethyl Ketone	3.75	4.13	4.10	110	109	70.0-130			0.729	25
cis-1,2-Dichloroethene	3.75	3.94	3.92	105	105	70.0-130			0.509	25
Chloroform	3.75	3.85	3.81	103	102	70.0-130			1.04	25
Cyclohexane	3.75	3.82	3.74	102	99.7	70.0-130			2.12	25
1,1,1-Trichloroethane	3.75	3.83	3.82	102	102	70.0-130			0.261	25
Carbon tetrachloride	3.75	3.78	3.72	101	99.2	70.0-130			1.60	25
Benzene	3.75	3.82	3.77	102	101	70.0-130			1.32	25
1,2-Dichloroethane	3.75	3.85	3.85	103	103	70.0-130			0.000	25
Heptane	3.75	4.23	4.14	113	110	70.0-130			2.15	25
Trichloroethylene	3.75	3.85	3.83	103	102	70.0-130			0.521	25
1,2-Dichloropropane	3.75	3.97	3.86	106	103	70.0-130			2.81	25
1,4-Dioxane	3.75	3.75	3.74	100	99.7	70.0-140			0.267	25
Bromodichloromethane	3.75	3.81	3.83	102	102	70.0-130			0.524	25
cis-1,3-Dichloropropene	3.75	3.86	3.83	103	102	70.0-130			0.780	25
4-Methyl-2-pentanone (MIBK)	3.75	3.98	3.95	106	105	70.0-139			0.757	25
Toluene	3.75	3.34	3.36	89.1	89.6	70.0-130			0.597	25
trans-1,3-Dichloropropene	3.75	3.93	3.91	105	104	70.0-130			0.510	25
1,1,2-Trichloroethane	3.75	3.87	3.86	103	103	70.0-130			0.259	25
Tetrachloroethylene	3.75	3.86	3.90	103	104	70.0-130			1.03	25
Methyl Butyl Ketone	3.75	4.05	4.06	108	108	70.0-149			0.247	25
Dibromochloromethane	3.75	3.84	3.86	102	103	70.0-130			0.519	25
1,2-Dibromoethane	3.75	3.89	3.92	104	105	70.0-130			0.768	25
Chlorobenzene	3.75	3.90	3.97	104	106	70.0-130			1.78	25
Ethylbenzene	3.75	3.89	3.90	104	104	70.0-130			0.257	25

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

(LCS) R3553424-1 07/26/20 08:17 • (LCSD) R3553424-2 07/26/20 09:03

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	7.62	7.69	102	103	70.0-130			0.914	25
o-Xylene	3.75	3.83	3.80	102	101	70.0-130			0.786	25
Styrene	3.75	3.94	3.94	105	105	70.0-130			0.000	25
Bromoform	3.75	3.84	3.79	102	101	70.0-130			1.31	25
1,1,2,2-Tetrachloroethane	3.75	3.86	3.81	103	102	70.0-130			1.30	25
4-Ethyltoluene	3.75	3.92	3.94	105	105	70.0-130			0.509	25
1,3,5-Trimethylbenzene	3.75	3.88	3.90	103	104	70.0-130			0.514	25
1,2,4-Trimethylbenzene	3.75	3.92	3.97	105	106	70.0-130			1.27	25
1,3-Dichlorobenzene	3.75	3.88	3.88	103	103	70.0-130			0.000	25
1,4-Dichlorobenzene	3.75	3.91	3.95	104	105	70.0-130			1.02	25
Benzyl Chloride	3.75	3.82	3.85	102	103	70.0-152			0.782	25
1,2-Dichlorobenzene	3.75	3.81	3.85	102	103	70.0-130			1.04	25
1,2,4-Trichlorobenzene	3.75	3.94	3.97	105	106	70.0-160			0.759	25
Hexachloro-1,3-butadiene	3.75	3.85	3.84	103	102	70.0-151			0.260	25
Naphthalene	3.75	3.90	3.94	104	105	70.0-159			1.02	25
Allyl Chloride	3.75	3.97	3.92	106	105	70.0-130			1.27	25
2-Chlorotoluene	3.75	3.93	3.95	105	105	70.0-130			0.508	25
Methyl Methacrylate	3.75	4.05	3.99	108	106	70.0-130			1.49	25
Tetrahydrofuran	3.75	3.66	3.59	97.6	95.7	70.0-137			1.93	25
2,2,4-Trimethylpentane	3.75	3.79	3.68	101	98.1	70.0-130			2.95	25
Vinyl Bromide	3.75	3.88	3.96	103	106	70.0-130			2.04	25
Isopropylbenzene	3.75	3.94	3.91	105	104	70.0-130			0.764	25
(S) 1,4-Bromofluorobenzene				*98.0*	*98.7*	*60.0-140*				

Method Blank (MB)

(MB) R3553504-3 07/26/20 09:22

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Propene	0.108	J	0.0932	0.400
(S) 1,4-Bromofluorobenzene	*97.4*			*60.0-140*

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

(LCS) R3553504-1 07/26/20 08:05 • (LCSD) R3553504-2 07/26/20 08:44

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Propene	3.75	4.66	4.59	124	122	64.0-144			1.51	25
(S) 1,4-Bromofluorobenzene				*97.1*	*97.8*	*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
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.

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

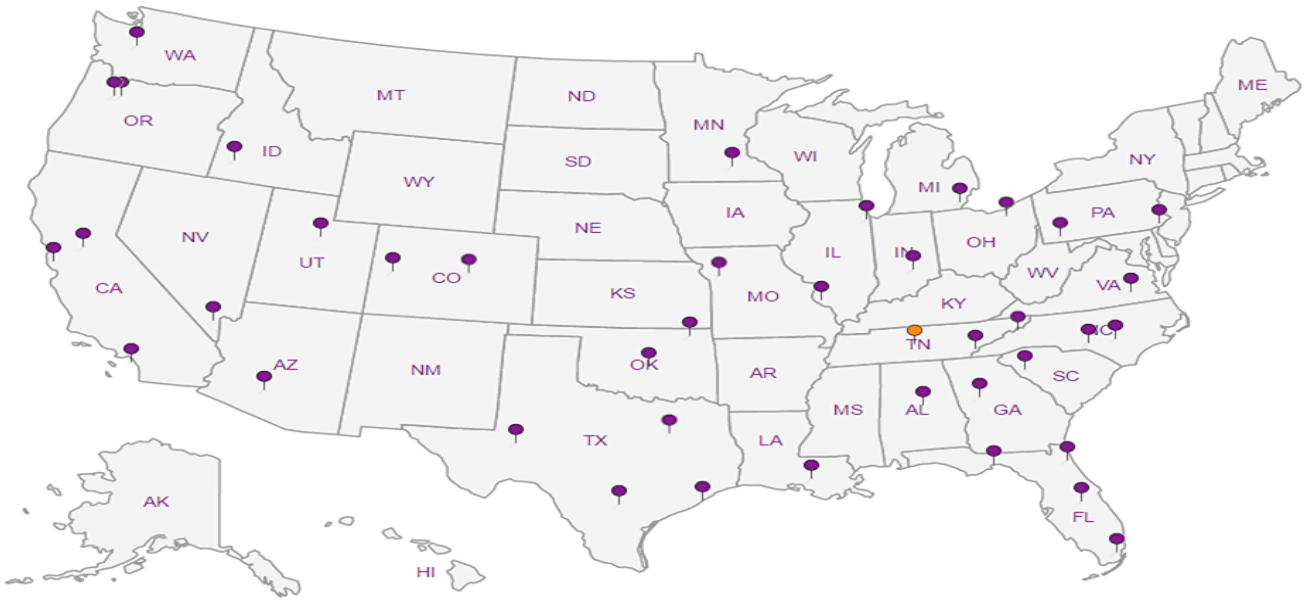
Third Party Federal Accreditations

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 Page 1 of 9

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 # L1241285

G244

Acctnum: PESENVSWA
Template: T170217
Prelogin: P783708
PM: 546 - Jared Starkey
PB: BF 7/13/20
Shipped Via: FedEX Saver

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 # 141300102501F

Lab Project # PESENVSWA-ALP

Collected by (print): SEM/RTM

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ NA

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	TO-15 Summa	Remarks	Sample # (lab only)
SV-08-071420	GRAB	Air	—	7/14/20	1337	1	X		-01
SV-09-071420		Air	—		1436	1	X		-02
SV-900-071420		Air	—		1436	1	X		-03
SV-23-071420		Air	—		1532	1	X		-04
		Air							
		Air							
		Air							
		Air							
		Air							
		Air							
		Air							

SM

* 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 # 1411 1760 8682, 8649 8671, 8421,

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

	Date:	Time:		
Relinquished by : (Signature)	7/17/20	1150	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4 °C Bottles Received: 29
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/18/20 Time: 8:45

If preservation required by Login: Date/Time

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.SOIF

Lab Project # PESENVSWA-ALP

Collected by (print): R.McLaughlin/S.McKernan

Site/Facility ID #

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N X Y ___

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

TO-15 Summa

Chain of Custody Page 2 of 4

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 # L1241285

Table #

Acctnum: PESENVSWA

Template: T170217

Prelogin: P783708

PM: 546 - Jared Starkey

PB: BF 7/13/20

Shipped Via: FedEX Saver

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15 Summa	Remarks	Sample # (lab only)
SV-24-071420	Grab	Air		7/14/20	1540	1	X		-05
SV-27-071520	↓	Air		7/15/20	1437	1	X		-06
SV01-071520	↓	Air		7/15/20	1340	1	X		-07
SV-16-071520	Grab	Air		7/15/20	1334	1	X		-08
		Air							
		Air							
		Air							
		Air							
		Air							
		Air							

* 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 # 8450, 8443, 8578, 8460, 8432

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) [signature]	7/17/20	1130	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: Amb °C Bottles Received: 29
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 7/18/20 Time: 8:45

If preservation required by Login: Date/Time

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.SOIF

Lab Project # PESENVSWA-ALP

Collected by (print): R.McLaughlin/S.McKerrow

Site/Facility ID # American Linen

P.O. #

Collected by (signature): R McLaughlin

Immediately Packed on Ice N X Y ___

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 3 of 9

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 # L124285

Table #

Acctnum: PESENVSWA

Template: T170217

Prelogin: P783708

PM: 546 - Jared Starkey

PB: SV 07/10/20

Shipped Via: FedEX Saver

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15 Summa	Remarks	Sample # (lab only)
SV-26-071520	Grab	Air	—	7/15/20	0836	1	X		-09
SV-25-071520	↓	Air	—	↓	1003	1	X		-10
SV-20-071520	↓	Air	—	↓	1107	1	X		-11
SV-19-071520	Grab	Air	—	7/15/20	1128	1	X		-12

SM

* 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)	7/17/20	1150	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: Amb °C Bottles Received: 29 — If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/18/20 Time: 8:45 — Hold: — Condition: NCF OK

Company Name/Address:
PES Environmental, Inc. - WA
1215 4th Ave. Suite 1350
Seattle, WA, 98161

Billing Information:
Attn: Accounts Payable
PES Environmental, Inc. - WA
1215 4th Ave. Suite 1350
Seattle, WA, 98161

Report to: **Brian O'Neal/Bill Haldeman**

Email To: **boneal@pesenv.com, bhaldeman@pesenv.com**

Project Description: **American Linen**

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

Phone: **(206) 529-3980**
Fax: **(206) 529-3985**

Client Project # **1413.001.02.501F**

Lab Project #

Collected by (print): SEM/RTM

Site/Facility ID # AMERICAN LINEN

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No __Yes
FAX? ___No ___Yes

Canister Pressure/Vacuum

Analysis: TO-15 Summa

Chain of Custody Page 4 of 9

Pace Analytical®
National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # 1241285
Table #
Acctnum:
Template:
Prelogin:
TSR:
PB:
Shipped Via:

Sample ID	Sample Description	Can #	Date	Time	Initial	Final	Rem./Contaminant	Sample # (lab only)
1L SUMMA	SV-22-071520	006585	7/15/20	1216	-30	-2		-13
	SV-21-071520	007337	7/15/20	1225	-30	-4		-14
	SV-05-071620	009557	7/16/20	1335	-30	-4		-15
	SV-28-071520	010586	7/15/20	1438	-27.5	-4		

① DO NOT ANALYZE SV-28-071520; SAMPLING ERROR. SEM 07/17/20.
FC: 7132 NOT USED.

Remarks:

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ____
	7/17/20	1150		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: Ans °C Bottles Received: 29
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/17/20 Time: 8145

Condition: (lab use only)
COC Seal Intact: ___Y ___N ✓NA
pH Checked: NCF:

Company Name/Address:
PES Environmental, Inc. - WA
1215 4th Ave. Suite 1350
Seattle, WA, 98161

Billing Information:
Attn: Accounts Payable
PES Environmental, Inc. - WA
1215 4th Ave. Suite 1350
Seattle, WA, 98161

Report to: **Brian O'Neal/Bill Haldeman**

Email To: **boneal@pesenv.com, bhaldeman@pesenv.com**

Project Description: **American Linen**

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

Phone: **(206) 529-3980**
Fax: **(206) 529-3985**

Client Project # **1413.001.02.501F**

Lab Project #

Collected by (print): SEM/RTM

Site/Facility ID # AMERICAN LINEN

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No __Yes
FAX? ___No ___Yes

Canister Pressure/Vacuum

Analysis: TO-15 Summa

Chain of Custody

Pace Analytical®
National Center for Testing & Innovation

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

L# 124125

Table #

Acctnum:

Template:

Prelogin:

TSR:

PB:

Shipped Via:

Sample ID	Sample Description	Can #	Date	Time	Initial	Final	Rem./Contaminant	Sample # (lab only)
1L Summa	SV-18-071620	010398	7/16/20 SM	1130	-30	-4		-16
	SV-15-071620	007686		1238	-29.5	-4		-17
	SV-04-071620	009433		1326	-24	-4		-18
	SV-14-071620	008051		1253	-28	-4		-19

SM

Remarks:

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____	Condition: (lab use only)
	7/17/20	1150			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 29	COC Seal Intact: ___Y ___N ___NA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/17/20 Time: 8:45	pH Checked: NCF:

Chain of Custody Page 6 of 9

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

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 # 1413.001.02.501F

Lab Project # PESENVSWA-ALP

Collected by (print): R McLaughlin/S. McKernan

Site/Facility ID #

P.O. #

Collected by (Signature):

Immediately Packed on Ice N X 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

SDG # 124285

Table #

Acctnum: PESENVSWA

Template: T170217

Prelogin: P786090

PM: 546 - Jared Starkey

PB: CSL 07/15/20

Shipped Via: FedEX Standard

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15 Summa	Remarks	Sample # (lab only)
SV-12-071620	Grab	Air	—	7/16/20	0928	1	X		-20
SV-11-071620	"	Air	—	"	1028	1	X		-21
SV-10-071620	↓	Air	—	↓	1025	1	X		-22
SV-17-071620	Grab	Air	—	7/16/20	1124	1	X		-23

SM

* 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
SM	7/17/20	1150		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: Amb °C Bottles Received: 29
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/18/20 Time: 8:45

If preservation required by Login: Date/Time

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

Please Circle: PT MT CT ET

Phone: 206-529-3980

Client Project # 143.001.02.501F

Lab Project # PESENVSWA-ALP

Collected by (print): ZMcLaughlin/S. McKernan

Site/Facility ID # American Linen

P.O. #

Collected by (signature):

Immediately Packed on Ice N X Y ___

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative: TO-15 Summa

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15 Summa	Remarks	Sample # (lab only)
SV-06-071620	Grab	Air	—	7/16/20	0814	1	X		-24
SV-07-071620		Air	—		0827	1	X		-25
SV-901-071620		Air	—		0827	1	X		-26
SV-13-071620	Grab	Air	—	7/16/20	0926	1	X		-27
		Air							
		Air							
		Air							
		Air							
		Air							
		Air							

Chain of Custody Page 1 of 9

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Fax: 615-758-5859

SDG # 124185

Table #

Acctnum: PESENVSWA
Template: T170217
Prelogin: P783708
PM: 546 - Jared Starkey
PB: BF 7/13/20
Shipped Via: FedEX Saver

* 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)	7/17/20	1150	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)			Received by: (Signature)	Temp: Amb °C Bottles Received: 29 — If preservation required by Login: Date/Time
Relinquished by : (Signature)			Received for lab by: (Signature)	Date: 7/18/20 Time: 8:45 — Hold: — Condition: NCF Y OK

Company Name/Address:

PES Environmental, Inc. - WA
1215 4th Ave. Suite 1350
Seattle, WA, 98161

Billing Information:

Attn: Accounts Payable
PES Environmental, Inc. - WA
1215 4th Ave. Suite 1350
Seattle, WA, 98161

Analysis

Chain of Custody Page 8 of 9

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

Report to: **Brian O'Neal/Bill Haldeman**

Email To: **boneal@pesenv.com, bhaldeman@pesenv.com**

Project Description: **American Linen**

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

Phone: **(206) 529-3980**
Fax: **(206) 529-3985**

Client Project # **1413.001.02.501F**

Lab Project #

L# 124285

Collected by (print): SEM

Site/Facility ID # AMERICAN LINEN

P.O. #

Table #

Acctnum:

Template:

Prelogin:

TSR:

PB:

Shipped Via:

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X Yes
FAX? ___No ___Yes

Canister Pressure/Vacuum

Sample ID	Sample Description	Can #	Date	Time	Initial	Final	TO-15 Summa				Rem./Contaminant	Sample # (lab only)
1L SUMMA	SV02-071720	5548	7/17/20	0836	-30	-4	X					-28
1	SV-28-071720	8863	↓	0943	-27	-3.5	X					-29

Remarks:

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____	Condition: (lab use only)
	7/17/20	1150			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: Amb °C Bottles Received: 29	COC Seal Intact: ___Y ___N ___NA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/18/20 Time: 8:45	pH Checked: NCF:

Company Name/Address:

PES Environmental, Inc. - WA
1215 4th Ave. Suite 1350
Seattle, WA, 98161

Billing Information:

Attn: Accounts Payable
PES Environmental, Inc. - WA
1215 4th Ave. Suite 1350
Seattle, WA, 98161

Analysis: TO-15 Summa

Chain of Custody Page 9 of 9

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

Report to: **Brian O'Neal/Bill Haldeman**

Email To: **boneal@pesenv.com, bhaldeman@pesenv.com**

Project Description: **American Linen**

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

Phone: **(206) 529-3980**
Fax: **(206) 529-3985**

Client Project # **1413.001.02.501F**

Lab Project #

L# 124125

Table #

Acctnum:
Template:
Prelogin:
TSR:
PB:

Collected by (print): SEM

Site/Facility ID #

P.O. #

Shipped Via:

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No __Yes
FAX? ___No ___Yes

Canister Pressure/Vacuum

Sample ID	Sample Description	Can #	Date	Time	Initial	Final	TO-15 Summa	Rem./Contaminant	Sample # (lab only)
1ESUMMASV01-071420		9586	7/14/20	1055	-29	-3	1		
SV-16-071420		8053	7/14/20	1208	-28	-4	1		

2×① DO NOT ANALYZE-SAMPLING ERRORS. SEM 7/17/20

Remarks:

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____	Condition: (lab use only)
	7/17/20	1150			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: Amb °C Bottles Received: 7	COC Seal Intact: ___Y ___N ___NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/18/20 Time: 8:45	pH Checked: NCF:

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

August 25, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1253451
Samples Received:	08/21/2020
Project Number:	1413.001.05.202
Description:	American Linen

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

Entire Report Reviewed By:

Jared Starkey
Project Manager

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

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B-289-0.5 L1253451-01 Solid

Collected by: KS/RM | Collected date/time: 08/19/20 09:35 | Received date/time: 08/21/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1530651	1	08/23/20 00:54	08/23/20 01:07	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1530753	1.08	08/19/20 09:35	08/22/20 20:14	ACG	Mt. Juliet, TN

B-288-1 L1253451-02 Solid

Collected by: KS/RM | Collected date/time: 08/19/20 09:50 | Received date/time: 08/21/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1530651	1	08/23/20 00:54	08/23/20 01:07	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1530753	1.43	08/19/20 09:50	08/22/20 20:33	ACG	Mt. Juliet, TN

B-283-0.5 L1253451-03 Solid

Collected by: KS/RM | Collected date/time: 08/19/20 11:35 | Received date/time: 08/21/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1530651	1	08/23/20 00:54	08/23/20 01:07	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1530753	1	08/19/20 11:35	08/22/20 20:52	ACG	Mt. Juliet, TN

B-284-1 L1253451-04 Solid

Collected by: KS/RM | Collected date/time: 08/19/20 12:05 | Received date/time: 08/21/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1530651	1	08/23/20 00:54	08/23/20 01:07	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1530753	1	08/22/20 12:02	08/22/20 21:11	ACG	Mt. Juliet, TN

B-285-1 L1253451-05 Solid

Collected by: KS/RM | Collected date/time: 08/19/20 13:40 | Received date/time: 08/21/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1530651	1	08/23/20 00:54	08/23/20 01:07	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1530753	1.21	08/19/20 13:40	08/22/20 21:30	ACG	Mt. Juliet, TN

B-286-0.5 L1253451-06 Solid

Collected by: KS/RM | Collected date/time: 08/19/20 13:29 | Received date/time: 08/21/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1530653	1	08/24/20 12:51	08/24/20 12:58	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1530753	1.81	08/19/20 13:29	08/22/20 21:48	ACG	Mt. Juliet, TN

B-287-1 L1253451-07 Solid

Collected by: KS/RM | Collected date/time: 08/19/20 14:05 | Received date/time: 08/21/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1530653	1	08/24/20 12:51	08/24/20 12:58	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1530753	1.2	08/19/20 14:05	08/22/20 22:07	ACG	Mt. Juliet, TN

B-290-1 L1253451-08 Solid

Collected by: KS/RM
Collected date/time: 08/20/20 10:05
Received date/time: 08/21/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1530653	1	08/24/20 12:51	08/24/20 12:58	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1530753	1.39	08/20/20 10:05	08/22/20 22:26	ACG	Mt. Juliet, TN

B-291-1 L1253451-09 Solid

Collected by: KS/RM
Collected date/time: 08/20/20 14:05
Received date/time: 08/21/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1530653	1	08/24/20 12:51	08/24/20 12:58	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1530753	1.23	08/20/20 14:05	08/22/20 22:45	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.

Jared Starkey
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	38.8		1	08/23/2020 01:07	WG1530651

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		0.159	0.218	1.08	08/22/2020 20:14	WG1530753
Acrylonitrile	U		0.0158	0.0545	1.08	08/22/2020 20:14	WG1530753
Benzene	0.00207	J	0.00204	0.00436	1.08	08/22/2020 20:14	WG1530753
Bromobenzene	U		0.00393	0.0545	1.08	08/22/2020 20:14	WG1530753
Bromodichloromethane	U		0.00316	0.0109	1.08	08/22/2020 20:14	WG1530753
Bromochloromethane	U		0.00246	0.0218	1.08	08/22/2020 20:14	WG1530753
Bromoform	U		0.00509	0.109	1.08	08/22/2020 20:14	WG1530753
Bromomethane	U		0.00861	0.0545	1.08	08/22/2020 20:14	WG1530753
n-Butylbenzene	U		0.0229	0.0545	1.08	08/22/2020 20:14	WG1530753
sec-Butylbenzene	U		0.0126	0.0545	1.08	08/22/2020 20:14	WG1530753
tert-Butylbenzene	U		0.00853	0.0218	1.08	08/22/2020 20:14	WG1530753
Carbon disulfide	U		0.00305	0.0545	1.08	08/22/2020 20:14	WG1530753
Carbon tetrachloride	U		0.00392	0.0218	1.08	08/22/2020 20:14	WG1530753
Chlorobenzene	U		0.000917	0.0109	1.08	08/22/2020 20:14	WG1530753
Chlorodibromomethane	U		0.00267	0.0109	1.08	08/22/2020 20:14	WG1530753
Chloroethane	U		0.00743	0.0218	1.08	08/22/2020 20:14	WG1530753
Chloroform	U		0.00449	0.0109	1.08	08/22/2020 20:14	WG1530753
Chloromethane	U		0.0190	0.0545	1.08	08/22/2020 20:14	WG1530753
2-Chlorotoluene	U		0.00377	0.0109	1.08	08/22/2020 20:14	WG1530753
4-Chlorotoluene	U		0.00196	0.0218	1.08	08/22/2020 20:14	WG1530753
1,2-Dibromo-3-Chloropropane	U		0.0170	0.109	1.08	08/22/2020 20:14	WG1530753
1,2-Dibromoethane	U		0.00283	0.0109	1.08	08/22/2020 20:14	WG1530753
Dibromomethane	U		0.00327	0.0218	1.08	08/22/2020 20:14	WG1530753
1,2-Dichlorobenzene	U		0.00185	0.0218	1.08	08/22/2020 20:14	WG1530753
1,3-Dichlorobenzene	U		0.00262	0.0218	1.08	08/22/2020 20:14	WG1530753
1,4-Dichlorobenzene	U		0.00305	0.0218	1.08	08/22/2020 20:14	WG1530753
Dichlorodifluoromethane	U		0.00703	0.0109	1.08	08/22/2020 20:14	WG1530753
1,1-Dichloroethane	U		0.00214	0.0109	1.08	08/22/2020 20:14	WG1530753
1,2-Dichloroethane	U		0.00283	0.0109	1.08	08/22/2020 20:14	WG1530753
1,1-Dichloroethene	U		0.00264	0.0109	1.08	08/22/2020 20:14	WG1530753
cis-1,2-Dichloroethene	U		0.00320	0.0109	1.08	08/22/2020 20:14	WG1530753
trans-1,2-Dichloroethene	U		0.00453	0.0218	1.08	08/22/2020 20:14	WG1530753
1,2-Dichloropropane	U		0.00618	0.0218	1.08	08/22/2020 20:14	WG1530753
1,1-Dichloropropene	U		0.00353	0.0109	1.08	08/22/2020 20:14	WG1530753
1,3-Dichloropropane	U		0.00219	0.0218	1.08	08/22/2020 20:14	WG1530753
cis-1,3-Dichloropropene	U		0.00331	0.0109	1.08	08/22/2020 20:14	WG1530753
trans-1,3-Dichloropropene	U		0.00497	0.0218	1.08	08/22/2020 20:14	WG1530753
trans-1,4-Dichloro-2-butene	U		0.00812	0.0218	1.08	08/22/2020 20:14	WG1530753
2,2-Dichloropropane	U		0.00602	0.0109	1.08	08/22/2020 20:14	WG1530753
Di-isopropyl ether	U		0.00179	0.00436	1.08	08/22/2020 20:14	WG1530753
Ethylbenzene	U		0.00322	0.0109	1.08	08/22/2020 20:14	WG1530753
Hexachloro-1,3-butadiene	U	J0	0.0262	0.109	1.08	08/22/2020 20:14	WG1530753
2-Hexanone	U		0.0147	0.109	1.08	08/22/2020 20:14	WG1530753
n-Hexane	U		0.00986	0.0218	1.08	08/22/2020 20:14	WG1530753
Iodomethane	U		0.0101	0.0545	1.08	08/22/2020 20:14	WG1530753
Isopropylbenzene	U		0.00185	0.0109	1.08	08/22/2020 20:14	WG1530753
p-Isopropyltoluene	U		0.0111	0.0218	1.08	08/22/2020 20:14	WG1530753
2-Butanone (MEK)	U		0.277	0.436	1.08	08/22/2020 20:14	WG1530753
Methylene Chloride	U		0.0290	0.109	1.08	08/22/2020 20:14	WG1530753
4-Methyl-2-pentanone (MIBK)	U		0.00994	0.109	1.08	08/22/2020 20:14	WG1530753

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		0.00153	0.00436	1.08	08/22/2020 20:14	WG1530753
Naphthalene	U	J0	0.0213	0.0545	1.08	08/22/2020 20:14	WG1530753
n-Propylbenzene	U		0.00416	0.0218	1.08	08/22/2020 20:14	WG1530753
Styrene	U		0.000998	0.0545	1.08	08/22/2020 20:14	WG1530753
1,1,1,2-Tetrachloroethane	U	J0	0.00412	0.0109	1.08	08/22/2020 20:14	WG1530753
1,1,2,2-Tetrachloroethane	U		0.00303	0.0109	1.08	08/22/2020 20:14	WG1530753
1,1,2-Trichlorotrifluoroethane	U		0.00329	0.0109	1.08	08/22/2020 20:14	WG1530753
Tetrachloroethene	U		0.00391	0.0109	1.08	08/22/2020 20:14	WG1530753
Toluene	0.0134	J	0.00566	0.0218	1.08	08/22/2020 20:14	WG1530753
1,2,3-Trichlorobenzene	U	J0	0.0320	0.0545	1.08	08/22/2020 20:14	WG1530753
1,2,4-Trichlorobenzene	U	J0	0.0192	0.0545	1.08	08/22/2020 20:14	WG1530753
1,1,1-Trichloroethane	U		0.00403	0.0109	1.08	08/22/2020 20:14	WG1530753
1,1,2-Trichloroethane	U		0.00261	0.0109	1.08	08/22/2020 20:14	WG1530753
Trichloroethene	U		0.00255	0.00436	1.08	08/22/2020 20:14	WG1530753
Trichlorofluoromethane	U		0.00361	0.0109	1.08	08/22/2020 20:14	WG1530753
1,2,3-Trichloropropane	U		0.00707	0.0545	1.08	08/22/2020 20:14	WG1530753
1,2,4-Trimethylbenzene	0.0198	J	0.00691	0.0218	1.08	08/22/2020 20:14	WG1530753
1,2,3-Trimethylbenzene	0.0175	J	0.00691	0.0218	1.08	08/22/2020 20:14	WG1530753
1,3,5-Trimethylbenzene	U		0.00873	0.0218	1.08	08/22/2020 20:14	WG1530753
Vinyl acetate	U		0.0111	0.0545	1.08	08/22/2020 20:14	WG1530753
Vinyl chloride	U		0.00505	0.0109	1.08	08/22/2020 20:14	WG1530753
Xylenes, Total	0.0115	J	0.00384	0.0284	1.08	08/22/2020 20:14	WG1530753
(S) Toluene-d8	*93.8*			*75.0-131*		*08/22/2020 20:14*	WG1530753
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*08/22/2020 20:14*	WG1530753
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*08/22/2020 20:14*	WG1530753

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	38.5		1	08/23/2020 01:07	WG1530651

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		0.194	0.265	1.43	08/22/2020 20:33	WG1530753
Acrylonitrile	U		0.0191	0.0664	1.43	08/22/2020 20:33	WG1530753
Benzene	0.0224		0.00248	0.00531	1.43	08/22/2020 20:33	WG1530753
Bromobenzene	U		0.00479	0.0664	1.43	08/22/2020 20:33	WG1530753
Bromodichloromethane	U		0.00386	0.0133	1.43	08/22/2020 20:33	WG1530753
Bromochloromethane	U		0.00299	0.0265	1.43	08/22/2020 20:33	WG1530753
Bromoform	U		0.00620	0.132	1.43	08/22/2020 20:33	WG1530753
Bromomethane	U		0.0105	0.0664	1.43	08/22/2020 20:33	WG1530753
n-Butylbenzene	U		0.0279	0.0664	1.43	08/22/2020 20:33	WG1530753
sec-Butylbenzene	U		0.0153	0.0664	1.43	08/22/2020 20:33	WG1530753
tert-Butylbenzene	U		0.0104	0.0265	1.43	08/22/2020 20:33	WG1530753
Carbon disulfide	U		0.00371	0.0664	1.43	08/22/2020 20:33	WG1530753
Carbon tetrachloride	U		0.00475	0.0265	1.43	08/22/2020 20:33	WG1530753
Chlorobenzene	U		0.00111	0.0133	1.43	08/22/2020 20:33	WG1530753
Chlorodibromomethane	U		0.00325	0.0133	1.43	08/22/2020 20:33	WG1530753
Chloroethane	U		0.00902	0.0265	1.43	08/22/2020 20:33	WG1530753
Chloroform	U		0.00546	0.0133	1.43	08/22/2020 20:33	WG1530753
Chloromethane	U		0.0231	0.0664	1.43	08/22/2020 20:33	WG1530753
2-Chlorotoluene	U		0.00460	0.0133	1.43	08/22/2020 20:33	WG1530753
4-Chlorotoluene	U		0.00239	0.0265	1.43	08/22/2020 20:33	WG1530753
1,2-Dibromo-3-Chloropropane	U		0.0207	0.132	1.43	08/22/2020 20:33	WG1530753
1,2-Dibromoethane	U		0.00344	0.0133	1.43	08/22/2020 20:33	WG1530753
Dibromomethane	U		0.00397	0.0265	1.43	08/22/2020 20:33	WG1530753
1,2-Dichlorobenzene	U		0.00226	0.0265	1.43	08/22/2020 20:33	WG1530753
1,3-Dichlorobenzene	U		0.00318	0.0265	1.43	08/22/2020 20:33	WG1530753
1,4-Dichlorobenzene	U		0.00371	0.0265	1.43	08/22/2020 20:33	WG1530753
Dichlorodifluoromethane	U		0.00854	0.0133	1.43	08/22/2020 20:33	WG1530753
1,1-Dichloroethane	U		0.00261	0.0133	1.43	08/22/2020 20:33	WG1530753
1,2-Dichloroethane	U		0.00344	0.0133	1.43	08/22/2020 20:33	WG1530753
1,1-Dichloroethene	U		0.00322	0.0133	1.43	08/22/2020 20:33	WG1530753
cis-1,2-Dichloroethene	U		0.00390	0.0133	1.43	08/22/2020 20:33	WG1530753
trans-1,2-Dichloroethene	U		0.00553	0.0265	1.43	08/22/2020 20:33	WG1530753
1,2-Dichloropropane	U		0.00753	0.0265	1.43	08/22/2020 20:33	WG1530753
1,1-Dichloropropene	U		0.00430	0.0133	1.43	08/22/2020 20:33	WG1530753
1,3-Dichloropropane	U		0.00266	0.0265	1.43	08/22/2020 20:33	WG1530753
cis-1,3-Dichloropropene	U		0.00401	0.0133	1.43	08/22/2020 20:33	WG1530753
trans-1,3-Dichloropropene	U		0.00605	0.0265	1.43	08/22/2020 20:33	WG1530753
trans-1,4-Dichloro-2-butene	U		0.00987	0.0265	1.43	08/22/2020 20:33	WG1530753
2,2-Dichloropropane	U		0.00731	0.0133	1.43	08/22/2020 20:33	WG1530753
Di-isopropyl ether	U		0.00217	0.00531	1.43	08/22/2020 20:33	WG1530753
Ethylbenzene	0.0479		0.00390	0.0133	1.43	08/22/2020 20:33	WG1530753
Hexachloro-1,3-butadiene	U	J0	0.0318	0.132	1.43	08/22/2020 20:33	WG1530753
2-Hexanone	U		0.0178	0.132	1.43	08/22/2020 20:33	WG1530753
n-Hexane	0.0430		0.0120	0.0265	1.43	08/22/2020 20:33	WG1530753
Iodomethane	U		0.0123	0.0664	1.43	08/22/2020 20:33	WG1530753
Isopropylbenzene	0.00318	J	0.00226	0.0133	1.43	08/22/2020 20:33	WG1530753
p-Isopropyltoluene	U		0.0135	0.0265	1.43	08/22/2020 20:33	WG1530753
2-Butanone (MEK)	U		0.337	0.531	1.43	08/22/2020 20:33	WG1530753
Methylene Chloride	U		0.0353	0.132	1.43	08/22/2020 20:33	WG1530753
4-Methyl-2-pentanone (MIBK)	U		0.0121	0.132	1.43	08/22/2020 20:33	WG1530753

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		0.00186	0.00531	1.43	08/22/2020 20:33	WG1530753
Naphthalene	U	J0	0.0259	0.0664	1.43	08/22/2020 20:33	WG1530753
n-Propylbenzene	0.0211	J	0.00505	0.0265	1.43	08/22/2020 20:33	WG1530753
Styrene	U		0.00121	0.0664	1.43	08/22/2020 20:33	WG1530753
1,1,1,2-Tetrachloroethane	U	J0	0.00505	0.0133	1.43	08/22/2020 20:33	WG1530753
1,1,2,2-Tetrachloroethane	U		0.00369	0.0133	1.43	08/22/2020 20:33	WG1530753
1,1,2-Trichlorotrifluoroethane	U		0.00401	0.0133	1.43	08/22/2020 20:33	WG1530753
Tetrachloroethene	0.0145		0.00475	0.0133	1.43	08/22/2020 20:33	WG1530753
Toluene	0.382		0.00690	0.0265	1.43	08/22/2020 20:33	WG1530753
1,2,3-Trichlorobenzene	U	J0	0.0390	0.0664	1.43	08/22/2020 20:33	WG1530753
1,2,4-Trichlorobenzene	U	J0	0.0233	0.0664	1.43	08/22/2020 20:33	WG1530753
1,1,1-Trichloroethane	U		0.00490	0.0133	1.43	08/22/2020 20:33	WG1530753
1,1,2-Trichloroethane	U		0.00317	0.0133	1.43	08/22/2020 20:33	WG1530753
Trichloroethene	U		0.00310	0.00531	1.43	08/22/2020 20:33	WG1530753
Trichlorofluoromethane	U		0.00438	0.0133	1.43	08/22/2020 20:33	WG1530753
1,2,3-Trichloropropane	U		0.00861	0.0664	1.43	08/22/2020 20:33	WG1530753
1,2,4-Trimethylbenzene	0.0616		0.00839	0.0265	1.43	08/22/2020 20:33	WG1530753
1,2,3-Trimethylbenzene	0.0206	J	0.00839	0.0265	1.43	08/22/2020 20:33	WG1530753
1,3,5-Trimethylbenzene	0.0194	J	0.0106	0.0265	1.43	08/22/2020 20:33	WG1530753
Vinyl acetate	U		0.0135	0.0664	1.43	08/22/2020 20:33	WG1530753
Vinyl chloride	U		0.00616	0.0133	1.43	08/22/2020 20:33	WG1530753
Xylenes, Total	0.241		0.00468	0.0345	1.43	08/22/2020 20:33	WG1530753
(S) Toluene-d8	*94.8*			*75.0-131*		*08/22/2020 20:33*	WG1530753
(S) 4-Bromofluorobenzene	*97.1*			*67.0-138*		*08/22/2020 20:33*	WG1530753
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*08/22/2020 20:33*	WG1530753

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.2		1	08/23/2020 01:07	WG1530651

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	08/22/2020 20:52	WG1530753
Acrylonitrile	U		0.00434	0.0150	1	08/22/2020 20:52	WG1530753
Benzene	U		0.000562	0.00120	1	08/22/2020 20:52	WG1530753
Bromobenzene	U		0.00108	0.0150	1	08/22/2020 20:52	WG1530753
Bromodichloromethane	U		0.000872	0.00301	1	08/22/2020 20:52	WG1530753
Bromochloromethane	U		0.000678	0.00601	1	08/22/2020 20:52	WG1530753
Bromoform	U		0.00141	0.0301	1	08/22/2020 20:52	WG1530753
Bromomethane	U		0.00237	0.0150	1	08/22/2020 20:52	WG1530753
n-Butylbenzene	U		0.00631	0.0150	1	08/22/2020 20:52	WG1530753
sec-Butylbenzene	U		0.00346	0.0150	1	08/22/2020 20:52	WG1530753
tert-Butylbenzene	U		0.00235	0.00601	1	08/22/2020 20:52	WG1530753
Carbon disulfide	U		0.000842	0.0150	1	08/22/2020 20:52	WG1530753
Carbon tetrachloride	U		0.00108	0.00601	1	08/22/2020 20:52	WG1530753
Chlorobenzene	U		0.000253	0.00301	1	08/22/2020 20:52	WG1530753
Chlorodibromomethane	U		0.000736	0.00301	1	08/22/2020 20:52	WG1530753
Chloroethane	U		0.00204	0.00601	1	08/22/2020 20:52	WG1530753
Chloroform	U		0.00124	0.00301	1	08/22/2020 20:52	WG1530753
Chloromethane	U		0.00523	0.0150	1	08/22/2020 20:52	WG1530753
2-Chlorotoluene	U		0.00104	0.00301	1	08/22/2020 20:52	WG1530753
4-Chlorotoluene	U		0.000541	0.00601	1	08/22/2020 20:52	WG1530753
1,2-Dibromo-3-Chloropropane	U		0.00469	0.0301	1	08/22/2020 20:52	WG1530753
1,2-Dibromoethane	U		0.000779	0.00301	1	08/22/2020 20:52	WG1530753
Dibromomethane	U		0.000902	0.00601	1	08/22/2020 20:52	WG1530753
1,2-Dichlorobenzene	U		0.000511	0.00601	1	08/22/2020 20:52	WG1530753
1,3-Dichlorobenzene	U		0.000722	0.00601	1	08/22/2020 20:52	WG1530753
1,4-Dichlorobenzene	U		0.000842	0.00601	1	08/22/2020 20:52	WG1530753
Dichlorodifluoromethane	U		0.00194	0.00301	1	08/22/2020 20:52	WG1530753
1,1-Dichloroethane	U		0.000590	0.00301	1	08/22/2020 20:52	WG1530753
1,2-Dichloroethane	U		0.000781	0.00301	1	08/22/2020 20:52	WG1530753
1,1-Dichloroethene	U		0.000729	0.00301	1	08/22/2020 20:52	WG1530753
cis-1,2-Dichloroethene	U		0.000883	0.00301	1	08/22/2020 20:52	WG1530753
trans-1,2-Dichloroethene	U		0.00125	0.00601	1	08/22/2020 20:52	WG1530753
1,2-Dichloropropane	U		0.00171	0.00601	1	08/22/2020 20:52	WG1530753
1,1-Dichloropropene	U		0.000973	0.00301	1	08/22/2020 20:52	WG1530753
1,3-Dichloropropane	U		0.000603	0.00601	1	08/22/2020 20:52	WG1530753
cis-1,3-Dichloropropene	U		0.000910	0.00301	1	08/22/2020 20:52	WG1530753
trans-1,3-Dichloropropene	U		0.00137	0.00601	1	08/22/2020 20:52	WG1530753
trans-1,4-Dichloro-2-butene	U		0.00224	0.00601	1	08/22/2020 20:52	WG1530753
2,2-Dichloropropane	U		0.00166	0.00301	1	08/22/2020 20:52	WG1530753
Di-isopropyl ether	U		0.000493	0.00120	1	08/22/2020 20:52	WG1530753
Ethylbenzene	0.000903	J	0.000886	0.00301	1	08/22/2020 20:52	WG1530753
Hexachloro-1,3-butadiene	U	J0	0.00722	0.0301	1	08/22/2020 20:52	WG1530753
2-Hexanone	U		0.00404	0.0301	1	08/22/2020 20:52	WG1530753
n-Hexane	U		0.00272	0.00601	1	08/22/2020 20:52	WG1530753
Iodomethane	U		0.00279	0.0150	1	08/22/2020 20:52	WG1530753
Isopropylbenzene	U		0.000511	0.00301	1	08/22/2020 20:52	WG1530753
p-Isopropyltoluene	U		0.00307	0.00601	1	08/22/2020 20:52	WG1530753
2-Butanone (MEK)	U		0.0764	0.120	1	08/22/2020 20:52	WG1530753
Methylene Chloride	U		0.00799	0.0301	1	08/22/2020 20:52	WG1530753
4-Methyl-2-pentanone (MIBK)	U		0.00274	0.0301	1	08/22/2020 20:52	WG1530753

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	08/22/2020 20:52	WG1530753
Naphthalene	U	J0	0.00587	0.0150	1	08/22/2020 20:52	WG1530753
n-Propylbenzene	U		0.00114	0.00601	1	08/22/2020 20:52	WG1530753
Styrene	U		0.000275	0.0150	1	08/22/2020 20:52	WG1530753
1,1,1,2-Tetrachloroethane	U	J0	0.00114	0.00301	1	08/22/2020 20:52	WG1530753
1,1,2,2-Tetrachloroethane	U		0.000836	0.00301	1	08/22/2020 20:52	WG1530753
1,1,2-Trichlorotrifluoroethane	U		0.000907	0.00301	1	08/22/2020 20:52	WG1530753
Tetrachloroethene	U		0.00108	0.00301	1	08/22/2020 20:52	WG1530753
Toluene	0.00345	J	0.00156	0.00601	1	08/22/2020 20:52	WG1530753
1,2,3-Trichlorobenzene	U	J0	0.00882	0.0150	1	08/22/2020 20:52	WG1530753
1,2,4-Trichlorobenzene	U	J0	0.00529	0.0150	1	08/22/2020 20:52	WG1530753
1,1,1-Trichloroethane	U		0.00111	0.00301	1	08/22/2020 20:52	WG1530753
1,1,2-Trichloroethane	U		0.000718	0.00301	1	08/22/2020 20:52	WG1530753
Trichloroethene	U		0.000702	0.00120	1	08/22/2020 20:52	WG1530753
Trichlorofluoromethane	U		0.000995	0.00301	1	08/22/2020 20:52	WG1530753
1,2,3-Trichloropropane	U		0.00195	0.0150	1	08/22/2020 20:52	WG1530753
1,2,4-Trimethylbenzene	0.00257	J	0.00190	0.00601	1	08/22/2020 20:52	WG1530753
1,2,3-Trimethylbenzene	0.00597	J	0.00190	0.00601	1	08/22/2020 20:52	WG1530753
1,3,5-Trimethylbenzene	0.00317	J	0.00241	0.00601	1	08/22/2020 20:52	WG1530753
Vinyl acetate	U		0.00305	0.0150	1	08/22/2020 20:52	WG1530753
Vinyl chloride	U		0.00140	0.00301	1	08/22/2020 20:52	WG1530753
Xylenes, Total	0.00414	J	0.00106	0.00782	1	08/22/2020 20:52	WG1530753
(S) Toluene-d8	*93.3*			*75.0-131*		*08/22/2020 20:52*	WG1530753
(S) 4-Bromofluorobenzene	*95.6*			*67.0-138*		*08/22/2020 20:52*	WG1530753
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*08/22/2020 20:52*	WG1530753

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.9		1	08/23/2020 01:07	WG1530651

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	0.0551	J	0.0438	0.0600	1	08/22/2020 21:11	WG1530753
Acrylonitrile	U		0.00433	0.0150	1	08/22/2020 21:11	WG1530753
Benzene	U		0.000560	0.00120	1	08/22/2020 21:11	WG1530753
Bromobenzene	U		0.00108	0.0150	1	08/22/2020 21:11	WG1530753
Bromodichloromethane	U		0.000870	0.00300	1	08/22/2020 21:11	WG1530753
Bromochloromethane	U		0.000677	0.00600	1	08/22/2020 21:11	WG1530753
Bromoform	U		0.00140	0.0300	1	08/22/2020 21:11	WG1530753
Bromomethane	U		0.00236	0.0150	1	08/22/2020 21:11	WG1530753
n-Butylbenzene	U		0.00630	0.0150	1	08/22/2020 21:11	WG1530753
sec-Butylbenzene	U		0.00346	0.0150	1	08/22/2020 21:11	WG1530753
tert-Butylbenzene	U		0.00234	0.00600	1	08/22/2020 21:11	WG1530753
Carbon disulfide	U		0.000840	0.0150	1	08/22/2020 21:11	WG1530753
Carbon tetrachloride	U		0.00108	0.00600	1	08/22/2020 21:11	WG1530753
Chlorobenzene	U		0.000252	0.00300	1	08/22/2020 21:11	WG1530753
Chlorodibromomethane	U		0.000734	0.00300	1	08/22/2020 21:11	WG1530753
Chloroethane	U		0.00204	0.00600	1	08/22/2020 21:11	WG1530753
Chloroform	U		0.00124	0.00300	1	08/22/2020 21:11	WG1530753
Chloromethane	U		0.00522	0.0150	1	08/22/2020 21:11	WG1530753
2-Chlorotoluene	U		0.00104	0.00300	1	08/22/2020 21:11	WG1530753
4-Chlorotoluene	U		0.000540	0.00600	1	08/22/2020 21:11	WG1530753
1,2-Dibromo-3-Chloropropane	U		0.00468	0.0300	1	08/22/2020 21:11	WG1530753
1,2-Dibromoethane	U		0.000778	0.00300	1	08/22/2020 21:11	WG1530753
Dibromomethane	U		0.000900	0.00600	1	08/22/2020 21:11	WG1530753
1,2-Dichlorobenzene	U		0.000510	0.00600	1	08/22/2020 21:11	WG1530753
1,3-Dichlorobenzene	U		0.000720	0.00600	1	08/22/2020 21:11	WG1530753
1,4-Dichlorobenzene	U		0.000840	0.00600	1	08/22/2020 21:11	WG1530753
Dichlorodifluoromethane	U		0.00193	0.00300	1	08/22/2020 21:11	WG1530753
1,1-Dichloroethane	U		0.000589	0.00300	1	08/22/2020 21:11	WG1530753
1,2-Dichloroethane	U		0.000779	0.00300	1	08/22/2020 21:11	WG1530753
1,1-Dichloroethene	U		0.000727	0.00300	1	08/22/2020 21:11	WG1530753
cis-1,2-Dichloroethene	U		0.000881	0.00300	1	08/22/2020 21:11	WG1530753
trans-1,2-Dichloroethene	U		0.00125	0.00600	1	08/22/2020 21:11	WG1530753
1,2-Dichloropropane	U		0.00170	0.00600	1	08/22/2020 21:11	WG1530753
1,1-Dichloropropene	U		0.000971	0.00300	1	08/22/2020 21:11	WG1530753
1,3-Dichloropropane	U		0.000601	0.00600	1	08/22/2020 21:11	WG1530753
cis-1,3-Dichloropropene	U		0.000908	0.00300	1	08/22/2020 21:11	WG1530753
trans-1,3-Dichloropropene	U		0.00137	0.00600	1	08/22/2020 21:11	WG1530753
trans-1,4-Dichloro-2-butene	U		0.00223	0.00600	1	08/22/2020 21:11	WG1530753
2,2-Dichloropropane	U		0.00166	0.00300	1	08/22/2020 21:11	WG1530753
Di-isopropyl ether	U		0.000492	0.00120	1	08/22/2020 21:11	WG1530753
Ethylbenzene	0.000900	J	0.000884	0.00300	1	08/22/2020 21:11	WG1530753
Hexachloro-1,3-butadiene	U	J0	0.00720	0.0300	1	08/22/2020 21:11	WG1530753
2-Hexanone	U		0.00403	0.0300	1	08/22/2020 21:11	WG1530753
n-Hexane	U		0.00271	0.00600	1	08/22/2020 21:11	WG1530753
Iodomethane	U		0.00278	0.0150	1	08/22/2020 21:11	WG1530753
Isopropylbenzene	U		0.000510	0.00300	1	08/22/2020 21:11	WG1530753
p-Isopropyltoluene	U		0.00306	0.00600	1	08/22/2020 21:11	WG1530753
2-Butanone (MEK)	U		0.0762	0.120	1	08/22/2020 21:11	WG1530753
Methylene Chloride	U		0.00797	0.0300	1	08/22/2020 21:11	WG1530753
4-Methyl-2-pentanone (MIBK)	U		0.00274	0.0300	1	08/22/2020 21:11	WG1530753

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		0.000420	0.00120	1	08/22/2020 21:11	WG1530753
Naphthalene	U	J0	0.00586	0.0150	1	08/22/2020 21:11	WG1530753
n-Propylbenzene	U		0.00114	0.00600	1	08/22/2020 21:11	WG1530753
Styrene	0.00128	J	0.000275	0.0150	1	08/22/2020 21:11	WG1530753
1,1,1,2-Tetrachloroethane	U	J0	0.00114	0.00300	1	08/22/2020 21:11	WG1530753
1,1,2,2-Tetrachloroethane	U		0.000834	0.00300	1	08/22/2020 21:11	WG1530753
1,1,2-Trichlorotrifluoroethane	U		0.000905	0.00300	1	08/22/2020 21:11	WG1530753
Tetrachloroethene	U		0.00108	0.00300	1	08/22/2020 21:11	WG1530753
Toluene	U		0.00156	0.00600	1	08/22/2020 21:11	WG1530753
1,2,3-Trichlorobenzene	U	J0	0.00880	0.0150	1	08/22/2020 21:11	WG1530753
1,2,4-Trichlorobenzene	U	J0	0.00528	0.0150	1	08/22/2020 21:11	WG1530753
1,1,1-Trichloroethane	U		0.00111	0.00300	1	08/22/2020 21:11	WG1530753
1,1,2-Trichloroethane	U		0.000716	0.00300	1	08/22/2020 21:11	WG1530753
Trichloroethene	U		0.000701	0.00120	1	08/22/2020 21:11	WG1530753
Trichlorofluoromethane	U		0.000992	0.00300	1	08/22/2020 21:11	WG1530753
1,2,3-Trichloropropane	U		0.00194	0.0150	1	08/22/2020 21:11	WG1530753
1,2,4-Trimethylbenzene	0.00630		0.00190	0.00600	1	08/22/2020 21:11	WG1530753
1,2,3-Trimethylbenzene	0.00296	J	0.00190	0.00600	1	08/22/2020 21:11	WG1530753
1,3,5-Trimethylbenzene	U		0.00240	0.00600	1	08/22/2020 21:11	WG1530753
Vinyl acetate	U		0.00305	0.0150	1	08/22/2020 21:11	WG1530753
Vinyl chloride	U		0.00139	0.00300	1	08/22/2020 21:11	WG1530753
Xylenes, Total	0.00490	J	0.00106	0.00780	1	08/22/2020 21:11	WG1530753
(S) Toluene-d8	*93.8*			*75.0-131*		*08/22/2020 21:11*	WG1530753
(S) 4-Bromofluorobenzene	*93.5*			*67.0-138*		*08/22/2020 21:11*	WG1530753
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*08/22/2020 21:11*	WG1530753

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.8		1	08/23/2020 01:07	WG1530651

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	0.0931		0.0477	0.0653	1.21	08/22/2020 21:30	WG1530753
Acrylonitrile	U		0.00472	0.0163	1.21	08/22/2020 21:30	WG1530753
Benzene	0.00252		0.000610	0.00131	1.21	08/22/2020 21:30	WG1530753
Bromobenzene	U		0.00118	0.0163	1.21	08/22/2020 21:30	WG1530753
Bromodichloromethane	U		0.000947	0.00327	1.21	08/22/2020 21:30	WG1530753
Bromochloromethane	U		0.000736	0.00653	1.21	08/22/2020 21:30	WG1530753
Bromoform	U		0.00153	0.0327	1.21	08/22/2020 21:30	WG1530753
Bromomethane	U		0.00257	0.0163	1.21	08/22/2020 21:30	WG1530753
n-Butylbenzene	U		0.00686	0.0163	1.21	08/22/2020 21:30	WG1530753
sec-Butylbenzene	U		0.00376	0.0163	1.21	08/22/2020 21:30	WG1530753
tert-Butylbenzene	U		0.00255	0.00653	1.21	08/22/2020 21:30	WG1530753
Carbon disulfide	U		0.000914	0.0163	1.21	08/22/2020 21:30	WG1530753
Carbon tetrachloride	U		0.00118	0.00653	1.21	08/22/2020 21:30	WG1530753
Chlorobenzene	U		0.000274	0.00327	1.21	08/22/2020 21:30	WG1530753
Chlorodibromomethane	U		0.000800	0.00327	1.21	08/22/2020 21:30	WG1530753
Chloroethane	U		0.00222	0.00653	1.21	08/22/2020 21:30	WG1530753
Chloroform	U		0.00135	0.00327	1.21	08/22/2020 21:30	WG1530753
Chloromethane	U		0.00568	0.0163	1.21	08/22/2020 21:30	WG1530753
2-Chlorotoluene	U		0.00113	0.00327	1.21	08/22/2020 21:30	WG1530753
4-Chlorotoluene	U		0.000587	0.00653	1.21	08/22/2020 21:30	WG1530753
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0327	1.21	08/22/2020 21:30	WG1530753
1,2-Dibromoethane	U		0.000846	0.00327	1.21	08/22/2020 21:30	WG1530753
Dibromomethane	U		0.000980	0.00653	1.21	08/22/2020 21:30	WG1530753
1,2-Dichlorobenzene	U		0.000555	0.00653	1.21	08/22/2020 21:30	WG1530753
1,3-Dichlorobenzene	U		0.000784	0.00653	1.21	08/22/2020 21:30	WG1530753
1,4-Dichlorobenzene	U		0.000914	0.00653	1.21	08/22/2020 21:30	WG1530753
Dichlorodifluoromethane	U		0.00211	0.00327	1.21	08/22/2020 21:30	WG1530753
1,1-Dichloroethane	U		0.000641	0.00327	1.21	08/22/2020 21:30	WG1530753
1,2-Dichloroethane	U		0.000847	0.00327	1.21	08/22/2020 21:30	WG1530753
1,1-Dichloroethene	U		0.000791	0.00327	1.21	08/22/2020 21:30	WG1530753
cis-1,2-Dichloroethene	U		0.000959	0.00327	1.21	08/22/2020 21:30	WG1530753
trans-1,2-Dichloroethene	U		0.00136	0.00653	1.21	08/22/2020 21:30	WG1530753
1,2-Dichloropropane	U		0.00186	0.00653	1.21	08/22/2020 21:30	WG1530753
1,1-Dichloropropene	U		0.00106	0.00327	1.21	08/22/2020 21:30	WG1530753
1,3-Dichloropropane	U		0.000654	0.00653	1.21	08/22/2020 21:30	WG1530753
cis-1,3-Dichloropropene	U		0.000989	0.00327	1.21	08/22/2020 21:30	WG1530753
trans-1,3-Dichloropropene	U		0.00149	0.00653	1.21	08/22/2020 21:30	WG1530753
trans-1,4-Dichloro-2-butene	U		0.00243	0.00653	1.21	08/22/2020 21:30	WG1530753
2,2-Dichloropropane	U		0.00180	0.00327	1.21	08/22/2020 21:30	WG1530753
Di-isopropyl ether	U		0.000535	0.00131	1.21	08/22/2020 21:30	WG1530753
Ethylbenzene	0.00268	J	0.000963	0.00327	1.21	08/22/2020 21:30	WG1530753
Hexachloro-1,3-butadiene	U	J0	0.00784	0.0327	1.21	08/22/2020 21:30	WG1530753
2-Hexanone	U		0.00439	0.0327	1.21	08/22/2020 21:30	WG1530753
n-Hexane	U		0.00295	0.00653	1.21	08/22/2020 21:30	WG1530753
Iodomethane	U		0.00303	0.0163	1.21	08/22/2020 21:30	WG1530753
Isopropylbenzene	0.00392		0.000555	0.00327	1.21	08/22/2020 21:30	WG1530753
p-Isopropyltoluene	U		0.00334	0.00653	1.21	08/22/2020 21:30	WG1530753
2-Butanone (MEK)	U		0.0829	0.131	1.21	08/22/2020 21:30	WG1530753
Methylene Chloride	U		0.00867	0.0327	1.21	08/22/2020 21:30	WG1530753
4-Methyl-2-pentanone (MIBK)	U		0.00298	0.0327	1.21	08/22/2020 21:30	WG1530753

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		0.000457	0.00131	1.21	08/22/2020 21:30	WG1530753
Naphthalene	U	J0	0.00637	0.0163	1.21	08/22/2020 21:30	WG1530753
n-Propylbenzene	0.00340	J	0.00124	0.00653	1.21	08/22/2020 21:30	WG1530753
Styrene	U		0.000299	0.0163	1.21	08/22/2020 21:30	WG1530753
1,1,1,2-Tetrachloroethane	U	J0	0.00124	0.00327	1.21	08/22/2020 21:30	WG1530753
1,1,2,2-Tetrachloroethane	U		0.000908	0.00327	1.21	08/22/2020 21:30	WG1530753
1,1,2-Trichlorotrifluoroethane	U		0.000985	0.00327	1.21	08/22/2020 21:30	WG1530753
Tetrachloroethene	0.00437		0.00117	0.00327	1.21	08/22/2020 21:30	WG1530753
Toluene	0.00323	J	0.00169	0.00653	1.21	08/22/2020 21:30	WG1530753
1,2,3-Trichlorobenzene	U	J0	0.00958	0.0163	1.21	08/22/2020 21:30	WG1530753
1,2,4-Trichlorobenzene	U	J0	0.00574	0.0163	1.21	08/22/2020 21:30	WG1530753
1,1,1-Trichloroethane	U		0.00121	0.00327	1.21	08/22/2020 21:30	WG1530753
1,1,2-Trichloroethane	U		0.000779	0.00327	1.21	08/22/2020 21:30	WG1530753
Trichloroethene	U		0.000763	0.00131	1.21	08/22/2020 21:30	WG1530753
Trichlorofluoromethane	U		0.00108	0.00327	1.21	08/22/2020 21:30	WG1530753
1,2,3-Trichloropropane	U		0.00212	0.0163	1.21	08/22/2020 21:30	WG1530753
1,2,4-Trimethylbenzene	0.00434	J	0.00206	0.00653	1.21	08/22/2020 21:30	WG1530753
1,2,3-Trimethylbenzene	0.00444	J	0.00206	0.00653	1.21	08/22/2020 21:30	WG1530753
1,3,5-Trimethylbenzene	U		0.00261	0.00653	1.21	08/22/2020 21:30	WG1530753
Vinyl acetate	U		0.00331	0.0163	1.21	08/22/2020 21:30	WG1530753
Vinyl chloride	U		0.00151	0.00327	1.21	08/22/2020 21:30	WG1530753
Xylenes, Total	0.00542	J	0.00114	0.00849	1.21	08/22/2020 21:30	WG1530753
(S) Toluene-d8	*92.6*			*75.0-131*		*08/22/2020 21:30*	WG1530753
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*08/22/2020 21:30*	WG1530753
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*08/22/2020 21:30*	WG1530753

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.8		1	08/24/2020 12:58	WG1530653

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	0.103	J	0.0971	0.133	1.81	08/22/2020 21:48	WG1530753
Acrylonitrile	U		0.00960	0.0332	1.81	08/22/2020 21:48	WG1530753
Benzene	0.00651		0.00124	0.00266	1.81	08/22/2020 21:48	WG1530753
Bromobenzene	U		0.00240	0.0332	1.81	08/22/2020 21:48	WG1530753
Bromodichloromethane	U		0.00192	0.00666	1.81	08/22/2020 21:48	WG1530753
Bromochloromethane	U		0.00150	0.0133	1.81	08/22/2020 21:48	WG1530753
Bromoform	U		0.00312	0.0666	1.81	08/22/2020 21:48	WG1530753
Bromomethane	U		0.00525	0.0332	1.81	08/22/2020 21:48	WG1530753
n-Butylbenzene	U		0.0140	0.0332	1.81	08/22/2020 21:48	WG1530753
sec-Butylbenzene	U		0.00766	0.0332	1.81	08/22/2020 21:48	WG1530753
tert-Butylbenzene	U		0.00519	0.0133	1.81	08/22/2020 21:48	WG1530753
Carbon disulfide	U		0.00187	0.0332	1.81	08/22/2020 21:48	WG1530753
Carbon tetrachloride	U		0.00240	0.0133	1.81	08/22/2020 21:48	WG1530753
Chlorobenzene	U		0.000558	0.00666	1.81	08/22/2020 21:48	WG1530753
Chlorodibromomethane	U		0.00163	0.00666	1.81	08/22/2020 21:48	WG1530753
Chloroethane	U		0.00453	0.0133	1.81	08/22/2020 21:48	WG1530753
Chloroform	U		0.00273	0.00666	1.81	08/22/2020 21:48	WG1530753
Chloromethane	U		0.0116	0.0332	1.81	08/22/2020 21:48	WG1530753
2-Chlorotoluene	U		0.00231	0.00666	1.81	08/22/2020 21:48	WG1530753
4-Chlorotoluene	U		0.00120	0.0133	1.81	08/22/2020 21:48	WG1530753
1,2-Dibromo-3-Chloropropane	U		0.0104	0.0666	1.81	08/22/2020 21:48	WG1530753
1,2-Dibromoethane	U		0.00172	0.00666	1.81	08/22/2020 21:48	WG1530753
Dibromomethane	U		0.00200	0.0133	1.81	08/22/2020 21:48	WG1530753
1,2-Dichlorobenzene	U		0.00113	0.0133	1.81	08/22/2020 21:48	WG1530753
1,3-Dichlorobenzene	U		0.00160	0.0133	1.81	08/22/2020 21:48	WG1530753
1,4-Dichlorobenzene	U		0.00187	0.0133	1.81	08/22/2020 21:48	WG1530753
Dichlorodifluoromethane	U		0.00428	0.00666	1.81	08/22/2020 21:48	WG1530753
1,1-Dichloroethane	U		0.00131	0.00666	1.81	08/22/2020 21:48	WG1530753
1,2-Dichloroethane	U		0.00172	0.00666	1.81	08/22/2020 21:48	WG1530753
1,1-Dichloroethene	U		0.00162	0.00666	1.81	08/22/2020 21:48	WG1530753
cis-1,2-Dichloroethene	U		0.00195	0.00666	1.81	08/22/2020 21:48	WG1530753
trans-1,2-Dichloroethene	U		0.00276	0.0133	1.81	08/22/2020 21:48	WG1530753
1,2-Dichloropropane	U		0.00378	0.0133	1.81	08/22/2020 21:48	WG1530753
1,1-Dichloropropene	U		0.00215	0.00666	1.81	08/22/2020 21:48	WG1530753
1,3-Dichloropropane	U		0.00133	0.0133	1.81	08/22/2020 21:48	WG1530753
cis-1,3-Dichloropropene	U		0.00201	0.00666	1.81	08/22/2020 21:48	WG1530753
trans-1,3-Dichloropropene	U		0.00303	0.0133	1.81	08/22/2020 21:48	WG1530753
trans-1,4-Dichloro-2-butene	U		0.00495	0.0133	1.81	08/22/2020 21:48	WG1530753
2,2-Dichloropropane	U		0.00367	0.00666	1.81	08/22/2020 21:48	WG1530753
Di-isopropyl ether	U		0.00109	0.00266	1.81	08/22/2020 21:48	WG1530753
Ethylbenzene	0.0110		0.00195	0.00666	1.81	08/22/2020 21:48	WG1530753
Hexachloro-1,3-butadiene	U	J0	0.0160	0.0666	1.81	08/22/2020 21:48	WG1530753
2-Hexanone	U		0.00893	0.0666	1.81	08/22/2020 21:48	WG1530753
n-Hexane	0.0107	J	0.00601	0.0133	1.81	08/22/2020 21:48	WG1530753
Iodomethane	U		0.00617	0.0332	1.81	08/22/2020 21:48	WG1530753
Isopropylbenzene	U		0.00113	0.00666	1.81	08/22/2020 21:48	WG1530753
p-Isopropyltoluene	U		0.00679	0.0133	1.81	08/22/2020 21:48	WG1530753
2-Butanone (MEK)	U		0.169	0.266	1.81	08/22/2020 21:48	WG1530753
Methylene Chloride	U		0.0176	0.0666	1.81	08/22/2020 21:48	WG1530753
4-Methyl-2-pentanone (MIBK)	U		0.00607	0.0666	1.81	08/22/2020 21:48	WG1530753

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		0.000932	0.00266	1.81	08/22/2020 21:48	WG1530753
Naphthalene	U	J0	0.0130	0.0332	1.81	08/22/2020 21:48	WG1530753
n-Propylbenzene	U		0.00253	0.0133	1.81	08/22/2020 21:48	WG1530753
Styrene	U		0.000608	0.0332	1.81	08/22/2020 21:48	WG1530753
1,1,1,2-Tetrachloroethane	U	J0	0.00253	0.00666	1.81	08/22/2020 21:48	WG1530753
1,1,2,2-Tetrachloroethane	U		0.00185	0.00666	1.81	08/22/2020 21:48	WG1530753
1,1,2-Trichlorotrifluoroethane	U		0.00200	0.00666	1.81	08/22/2020 21:48	WG1530753
Tetrachloroethene	U		0.00238	0.00666	1.81	08/22/2020 21:48	WG1530753
Toluene	0.0970		0.00345	0.0133	1.81	08/22/2020 21:48	WG1530753
1,2,3-Trichlorobenzene	U	J0	0.0195	0.0332	1.81	08/22/2020 21:48	WG1530753
1,2,4-Trichlorobenzene	U	J0	0.0117	0.0332	1.81	08/22/2020 21:48	WG1530753
1,1,1-Trichloroethane	U		0.00245	0.00666	1.81	08/22/2020 21:48	WG1530753
1,1,2-Trichloroethane	U		0.00159	0.00666	1.81	08/22/2020 21:48	WG1530753
Trichloroethene	U		0.00156	0.00266	1.81	08/22/2020 21:48	WG1530753
Trichlorofluoromethane	U		0.00220	0.00666	1.81	08/22/2020 21:48	WG1530753
1,2,3-Trichloropropane	U		0.00431	0.0332	1.81	08/22/2020 21:48	WG1530753
1,2,4-Trimethylbenzene	0.0118	J	0.00420	0.0133	1.81	08/22/2020 21:48	WG1530753
1,2,3-Trimethylbenzene	0.00472	J	0.00420	0.0133	1.81	08/22/2020 21:48	WG1530753
1,3,5-Trimethylbenzene	U		0.00532	0.0133	1.81	08/22/2020 21:48	WG1530753
Vinyl acetate	U		0.00676	0.0332	1.81	08/22/2020 21:48	WG1530753
Vinyl chloride	U		0.00309	0.00666	1.81	08/22/2020 21:48	WG1530753
Xylenes, Total	0.0567		0.00234	0.0173	1.81	08/22/2020 21:48	WG1530753
(S) Toluene-d8	*92.8*			*75.0-131*		*08/22/2020 21:48*	WG1530753
(S) 4-Bromofluorobenzene	*96.6*			*67.0-138*		*08/22/2020 21:48*	WG1530753
(S) 1,2-Dichloroethane-d4	*99.0*			*70.0-130*		*08/22/2020 21:48*	WG1530753

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	61.1		1	08/24/2020 12:58	WG1530653

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		0.0948	0.130	1.2	08/22/2020 22:07	WG1530753
Acrylonitrile	U		0.00938	0.0325	1.2	08/22/2020 22:07	WG1530753
Benzene	0.00149	J	0.00121	0.00260	1.2	08/22/2020 22:07	WG1530753
Bromobenzene	U		0.00234	0.0325	1.2	08/22/2020 22:07	WG1530753
Bromodichloromethane	U		0.00188	0.00650	1.2	08/22/2020 22:07	WG1530753
Bromochloromethane	U		0.00147	0.0130	1.2	08/22/2020 22:07	WG1530753
Bromoform	U		0.00303	0.0650	1.2	08/22/2020 22:07	WG1530753
Bromomethane	U		0.00511	0.0325	1.2	08/22/2020 22:07	WG1530753
n-Butylbenzene	U		0.0136	0.0325	1.2	08/22/2020 22:07	WG1530753
sec-Butylbenzene	U		0.00749	0.0325	1.2	08/22/2020 22:07	WG1530753
tert-Butylbenzene	U		0.00507	0.0130	1.2	08/22/2020 22:07	WG1530753
Carbon disulfide	U		0.00182	0.0325	1.2	08/22/2020 22:07	WG1530753
Carbon tetrachloride	U		0.00234	0.0130	1.2	08/22/2020 22:07	WG1530753
Chlorobenzene	U		0.000546	0.00650	1.2	08/22/2020 22:07	WG1530753
Chlorodibromomethane	U		0.00159	0.00650	1.2	08/22/2020 22:07	WG1530753
Chloroethane	U		0.00442	0.0130	1.2	08/22/2020 22:07	WG1530753
Chloroform	U		0.00268	0.00650	1.2	08/22/2020 22:07	WG1530753
Chloromethane	U		0.0113	0.0325	1.2	08/22/2020 22:07	WG1530753
2-Chlorotoluene	U		0.00225	0.00650	1.2	08/22/2020 22:07	WG1530753
4-Chlorotoluene	U		0.00117	0.0130	1.2	08/22/2020 22:07	WG1530753
1,2-Dibromo-3-Chloropropane	U		0.0101	0.0650	1.2	08/22/2020 22:07	WG1530753
1,2-Dibromoethane	U		0.00168	0.00650	1.2	08/22/2020 22:07	WG1530753
Dibromomethane	U		0.00195	0.0130	1.2	08/22/2020 22:07	WG1530753
1,2-Dichlorobenzene	U		0.00110	0.0130	1.2	08/22/2020 22:07	WG1530753
1,3-Dichlorobenzene	U		0.00156	0.0130	1.2	08/22/2020 22:07	WG1530753
1,4-Dichlorobenzene	U		0.00182	0.0130	1.2	08/22/2020 22:07	WG1530753
Dichlorodifluoromethane	U		0.00418	0.00650	1.2	08/22/2020 22:07	WG1530753
1,1-Dichloroethane	U		0.00128	0.00650	1.2	08/22/2020 22:07	WG1530753
1,2-Dichloroethane	U		0.00169	0.00650	1.2	08/22/2020 22:07	WG1530753
1,1-Dichloroethene	U		0.00157	0.00650	1.2	08/22/2020 22:07	WG1530753
cis-1,2-Dichloroethene	U		0.00191	0.00650	1.2	08/22/2020 22:07	WG1530753
trans-1,2-Dichloroethene	U		0.00271	0.0130	1.2	08/22/2020 22:07	WG1530753
1,2-Dichloropropane	U		0.00368	0.0130	1.2	08/22/2020 22:07	WG1530753
1,1-Dichloropropene	U		0.00210	0.00650	1.2	08/22/2020 22:07	WG1530753
1,3-Dichloropropane	U		0.00130	0.0130	1.2	08/22/2020 22:07	WG1530753
cis-1,3-Dichloropropene	U		0.00197	0.00650	1.2	08/22/2020 22:07	WG1530753
trans-1,3-Dichloropropene	U		0.00297	0.0130	1.2	08/22/2020 22:07	WG1530753
trans-1,4-Dichloro-2-butene	U		0.00483	0.0130	1.2	08/22/2020 22:07	WG1530753
2,2-Dichloropropane	U		0.00359	0.00650	1.2	08/22/2020 22:07	WG1530753
Di-isopropyl ether	U		0.00107	0.00260	1.2	08/22/2020 22:07	WG1530753
Ethylbenzene	0.00234	J	0.00191	0.00650	1.2	08/22/2020 22:07	WG1530753
Hexachloro-1,3-butadiene	U	J0	0.0156	0.0650	1.2	08/22/2020 22:07	WG1530753
2-Hexanone	U		0.00873	0.0650	1.2	08/22/2020 22:07	WG1530753
n-Hexane	U		0.00587	0.0130	1.2	08/22/2020 22:07	WG1530753
Iodomethane	U		0.00602	0.0325	1.2	08/22/2020 22:07	WG1530753
Isopropylbenzene	U		0.00110	0.00650	1.2	08/22/2020 22:07	WG1530753
p-Isopropyltoluene	U		0.00663	0.0130	1.2	08/22/2020 22:07	WG1530753
2-Butanone (MEK)	U		0.165	0.260	1.2	08/22/2020 22:07	WG1530753
Methylene Chloride	U		0.0173	0.0650	1.2	08/22/2020 22:07	WG1530753
4-Methyl-2-pentanone (MIBK)	U		0.00593	0.0650	1.2	08/22/2020 22:07	WG1530753

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		0.000909	0.00260	1.2	08/22/2020 22:07	WG1530753
Naphthalene	U	J0	0.0127	0.0325	1.2	08/22/2020 22:07	WG1530753
n-Propylbenzene	U		0.00247	0.0130	1.2	08/22/2020 22:07	WG1530753
Styrene	U		0.000595	0.0325	1.2	08/22/2020 22:07	WG1530753
1,1,1,2-Tetrachloroethane	U	J0	0.00247	0.00650	1.2	08/22/2020 22:07	WG1530753
1,1,2,2-Tetrachloroethane	U		0.00181	0.00650	1.2	08/22/2020 22:07	WG1530753
1,1,2-Trichlorotrifluoroethane	U		0.00196	0.00650	1.2	08/22/2020 22:07	WG1530753
Tetrachloroethene	0.00422	J	0.00234	0.00650	1.2	08/22/2020 22:07	WG1530753
Toluene	0.0100	J	0.00338	0.0130	1.2	08/22/2020 22:07	WG1530753
1,2,3-Trichlorobenzene	U	J0	0.0191	0.0325	1.2	08/22/2020 22:07	WG1530753
1,2,4-Trichlorobenzene	U	J0	0.0114	0.0325	1.2	08/22/2020 22:07	WG1530753
1,1,1-Trichloroethane	U		0.00240	0.00650	1.2	08/22/2020 22:07	WG1530753
1,1,2-Trichloroethane	U		0.00155	0.00650	1.2	08/22/2020 22:07	WG1530753
Trichloroethene	U		0.00152	0.00260	1.2	08/22/2020 22:07	WG1530753
Trichlorofluoromethane	U		0.00215	0.00650	1.2	08/22/2020 22:07	WG1530753
1,2,3-Trichloropropane	U		0.00420	0.0325	1.2	08/22/2020 22:07	WG1530753
1,2,4-Trimethylbenzene	U		0.00411	0.0130	1.2	08/22/2020 22:07	WG1530753
1,2,3-Trimethylbenzene	U		0.00411	0.0130	1.2	08/22/2020 22:07	WG1530753
1,3,5-Trimethylbenzene	U		0.00520	0.0130	1.2	08/22/2020 22:07	WG1530753
Vinyl acetate	U		0.00660	0.0325	1.2	08/22/2020 22:07	WG1530753
Vinyl chloride	U		0.00301	0.00650	1.2	08/22/2020 22:07	WG1530753
Xylenes, Total	0.0105	J	0.00230	0.0169	1.2	08/22/2020 22:07	WG1530753
(S) Toluene-d8	*92.3*			*75.0-131*		*08/22/2020 22:07*	WG1530753
(S) 4-Bromofluorobenzene	*95.9*			*67.0-138*		*08/22/2020 22:07*	WG1530753
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*		*08/22/2020 22:07*	WG1530753

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	08/24/2020 12:58	WG1530653

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	0.0708	J	0.0576	0.0789	1.39	08/22/2020 22:26	WG1530753
Acrylonitrile	U		0.00570	0.0198	1.39	08/22/2020 22:26	WG1530753
Benzene	0.00628		0.000737	0.00158	1.39	08/22/2020 22:26	WG1530753
Bromobenzene	U		0.00142	0.0198	1.39	08/22/2020 22:26	WG1530753
Bromodichloromethane	U		0.00115	0.00395	1.39	08/22/2020 22:26	WG1530753
Bromochloromethane	U		0.000890	0.00789	1.39	08/22/2020 22:26	WG1530753
Bromoform	U		0.00185	0.0395	1.39	08/22/2020 22:26	WG1530753
Bromomethane	U		0.00311	0.0198	1.39	08/22/2020 22:26	WG1530753
n-Butylbenzene	U		0.00829	0.0198	1.39	08/22/2020 22:26	WG1530753
sec-Butylbenzene	U		0.00454	0.0198	1.39	08/22/2020 22:26	WG1530753
tert-Butylbenzene	U		0.00308	0.00789	1.39	08/22/2020 22:26	WG1530753
Carbon disulfide	U		0.00110	0.0198	1.39	08/22/2020 22:26	WG1530753
Carbon tetrachloride	U		0.00142	0.00789	1.39	08/22/2020 22:26	WG1530753
Chlorobenzene	U		0.000331	0.00395	1.39	08/22/2020 22:26	WG1530753
Chlorodibromomethane	U		0.000966	0.00395	1.39	08/22/2020 22:26	WG1530753
Chloroethane	U		0.00268	0.00789	1.39	08/22/2020 22:26	WG1530753
Chloroform	U		0.00162	0.00395	1.39	08/22/2020 22:26	WG1530753
Chloromethane	U		0.00687	0.0198	1.39	08/22/2020 22:26	WG1530753
2-Chlorotoluene	U		0.00136	0.00395	1.39	08/22/2020 22:26	WG1530753
4-Chlorotoluene	U		0.000711	0.00789	1.39	08/22/2020 22:26	WG1530753
1,2-Dibromo-3-Chloropropane	U		0.00615	0.0395	1.39	08/22/2020 22:26	WG1530753
1,2-Dibromoethane	U		0.00102	0.00395	1.39	08/22/2020 22:26	WG1530753
Dibromomethane	U		0.00118	0.00789	1.39	08/22/2020 22:26	WG1530753
1,2-Dichlorobenzene	U		0.000671	0.00789	1.39	08/22/2020 22:26	WG1530753
1,3-Dichlorobenzene	U		0.000947	0.00789	1.39	08/22/2020 22:26	WG1530753
1,4-Dichlorobenzene	U		0.00110	0.00789	1.39	08/22/2020 22:26	WG1530753
Dichlorodifluoromethane	U		0.00254	0.00395	1.39	08/22/2020 22:26	WG1530753
1,1-Dichloroethane	U		0.000774	0.00395	1.39	08/22/2020 22:26	WG1530753
1,2-Dichloroethane	U		0.00102	0.00395	1.39	08/22/2020 22:26	WG1530753
1,1-Dichloroethene	U		0.000956	0.00395	1.39	08/22/2020 22:26	WG1530753
cis-1,2-Dichloroethene	U		0.00116	0.00395	1.39	08/22/2020 22:26	WG1530753
trans-1,2-Dichloroethene	U		0.00165	0.00789	1.39	08/22/2020 22:26	WG1530753
1,2-Dichloropropane	U		0.00224	0.00789	1.39	08/22/2020 22:26	WG1530753
1,1-Dichloropropene	U		0.00127	0.00395	1.39	08/22/2020 22:26	WG1530753
1,3-Dichloropropane	U		0.000790	0.00789	1.39	08/22/2020 22:26	WG1530753
cis-1,3-Dichloropropene	U		0.00119	0.00395	1.39	08/22/2020 22:26	WG1530753
trans-1,3-Dichloropropene	U		0.00179	0.00789	1.39	08/22/2020 22:26	WG1530753
trans-1,4-Dichloro-2-butene	U		0.00294	0.00789	1.39	08/22/2020 22:26	WG1530753
2,2-Dichloropropane	U		0.00218	0.00395	1.39	08/22/2020 22:26	WG1530753
Di-isopropyl ether	U		0.000647	0.00158	1.39	08/22/2020 22:26	WG1530753
Ethylbenzene	0.00860		0.00116	0.00395	1.39	08/22/2020 22:26	WG1530753
Hexachloro-1,3-butadiene	U	J0	0.00947	0.0395	1.39	08/22/2020 22:26	WG1530753
2-Hexanone	U		0.00530	0.0395	1.39	08/22/2020 22:26	WG1530753
n-Hexane	0.00974		0.00356	0.00789	1.39	08/22/2020 22:26	WG1530753
Iodomethane	U		0.00366	0.0198	1.39	08/22/2020 22:26	WG1530753
Isopropylbenzene	U		0.000671	0.00395	1.39	08/22/2020 22:26	WG1530753
p-Isopropyltoluene	U		0.00402	0.00789	1.39	08/22/2020 22:26	WG1530753
2-Butanone (MEK)	U		0.100	0.158	1.39	08/22/2020 22:26	WG1530753
Methylene Chloride	U		0.0105	0.0395	1.39	08/22/2020 22:26	WG1530753
4-Methyl-2-pentanone (MIBK)	U		0.00360	0.0395	1.39	08/22/2020 22:26	WG1530753

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		0.000553	0.00158	1.39	08/22/2020 22:26	WG1530753
Naphthalene	U	J0	0.00770	0.0198	1.39	08/22/2020 22:26	WG1530753
n-Propylbenzene	0.00225	J	0.00150	0.00789	1.39	08/22/2020 22:26	WG1530753
Styrene	0.00169	J	0.000361	0.0198	1.39	08/22/2020 22:26	WG1530753
1,1,1,2-Tetrachloroethane	U	J0	0.00150	0.00395	1.39	08/22/2020 22:26	WG1530753
1,1,2,2-Tetrachloroethane	U		0.00110	0.00395	1.39	08/22/2020 22:26	WG1530753
1,1,2-Trichlorotrifluoroethane	U		0.00119	0.00395	1.39	08/22/2020 22:26	WG1530753
Tetrachloroethene	0.00142	J	0.00142	0.00395	1.39	08/22/2020 22:26	WG1530753
Toluene	0.0690		0.00205	0.00789	1.39	08/22/2020 22:26	WG1530753
1,2,3-Trichlorobenzene	U	J0	0.0116	0.0198	1.39	08/22/2020 22:26	WG1530753
1,2,4-Trichlorobenzene	U	J0	0.00695	0.0198	1.39	08/22/2020 22:26	WG1530753
1,1,1-Trichloroethane	U		0.00145	0.00395	1.39	08/22/2020 22:26	WG1530753
1,1,2-Trichloroethane	U		0.000942	0.00395	1.39	08/22/2020 22:26	WG1530753
Trichloroethene	U		0.000922	0.00158	1.39	08/22/2020 22:26	WG1530753
Trichlorofluoromethane	U		0.00131	0.00395	1.39	08/22/2020 22:26	WG1530753
1,2,3-Trichloropropane	U		0.00255	0.0198	1.39	08/22/2020 22:26	WG1530753
1,2,4-Trimethylbenzene	0.0108		0.00250	0.00789	1.39	08/22/2020 22:26	WG1530753
1,2,3-Trimethylbenzene	0.00591	J	0.00250	0.00789	1.39	08/22/2020 22:26	WG1530753
1,3,5-Trimethylbenzene	0.00367	J	0.00316	0.00789	1.39	08/22/2020 22:26	WG1530753
Vinyl acetate	U		0.00401	0.0198	1.39	08/22/2020 22:26	WG1530753
Vinyl chloride	U		0.00183	0.00395	1.39	08/22/2020 22:26	WG1530753
Xylenes, Total	0.0439		0.00138	0.0103	1.39	08/22/2020 22:26	WG1530753
(S) Toluene-d8	*92.4*			*75.0-131*		*08/22/2020 22:26*	WG1530753
(S) 4-Bromofluorobenzene	*95.1*			*67.0-138*		*08/22/2020 22:26*	WG1530753
(S) 1,2-Dichloroethane-d4	*96.5*			*70.0-130*		*08/22/2020 22:26*	WG1530753

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.7		1	08/24/2020 12:58	WG1530653

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		0.0495	0.0678	1.23	08/22/2020 22:45	WG1530753
Acrylonitrile	U		0.00489	0.0170	1.23	08/22/2020 22:45	WG1530753
Benzene	0.00302		0.000633	0.00136	1.23	08/22/2020 22:45	WG1530753
Bromobenzene	U		0.00122	0.0170	1.23	08/22/2020 22:45	WG1530753
Bromodichloromethane	U		0.000983	0.00339	1.23	08/22/2020 22:45	WG1530753
Bromochloromethane	U		0.000765	0.00678	1.23	08/22/2020 22:45	WG1530753
Bromoform	U		0.00159	0.0339	1.23	08/22/2020 22:45	WG1530753
Bromomethane	U		0.00267	0.0170	1.23	08/22/2020 22:45	WG1530753
n-Butylbenzene	U		0.00712	0.0170	1.23	08/22/2020 22:45	WG1530753
sec-Butylbenzene	U		0.00390	0.0170	1.23	08/22/2020 22:45	WG1530753
tert-Butylbenzene	U		0.00264	0.00678	1.23	08/22/2020 22:45	WG1530753
Carbon disulfide	U		0.000949	0.0170	1.23	08/22/2020 22:45	WG1530753
Carbon tetrachloride	U		0.00121	0.00678	1.23	08/22/2020 22:45	WG1530753
Chlorobenzene	U		0.000284	0.00339	1.23	08/22/2020 22:45	WG1530753
Chlorodibromomethane	U		0.000830	0.00339	1.23	08/22/2020 22:45	WG1530753
Chloroethane	U		0.00230	0.00678	1.23	08/22/2020 22:45	WG1530753
Chloroform	U		0.00140	0.00339	1.23	08/22/2020 22:45	WG1530753
Chloromethane	U		0.00590	0.0170	1.23	08/22/2020 22:45	WG1530753
2-Chlorotoluene	U		0.00117	0.00339	1.23	08/22/2020 22:45	WG1530753
4-Chlorotoluene	U		0.000610	0.00678	1.23	08/22/2020 22:45	WG1530753
1,2-Dibromo-3-Chloropropane	U		0.00529	0.0339	1.23	08/22/2020 22:45	WG1530753
1,2-Dibromoethane	U		0.000878	0.00339	1.23	08/22/2020 22:45	WG1530753
Dibromomethane	U		0.00102	0.00678	1.23	08/22/2020 22:45	WG1530753
1,2-Dichlorobenzene	U		0.000576	0.00678	1.23	08/22/2020 22:45	WG1530753
1,3-Dichlorobenzene	U		0.000813	0.00678	1.23	08/22/2020 22:45	WG1530753
1,4-Dichlorobenzene	U		0.000949	0.00678	1.23	08/22/2020 22:45	WG1530753
Dichlorodifluoromethane	U		0.00218	0.00339	1.23	08/22/2020 22:45	WG1530753
1,1-Dichloroethane	U		0.000666	0.00339	1.23	08/22/2020 22:45	WG1530753
1,2-Dichloroethane	U		0.000879	0.00339	1.23	08/22/2020 22:45	WG1530753
1,1-Dichloroethene	U		0.000821	0.00339	1.23	08/22/2020 22:45	WG1530753
cis-1,2-Dichloroethene	U		0.000995	0.00339	1.23	08/22/2020 22:45	WG1530753
trans-1,2-Dichloroethene	U		0.00141	0.00678	1.23	08/22/2020 22:45	WG1530753
1,2-Dichloropropane	U		0.00193	0.00678	1.23	08/22/2020 22:45	WG1530753
1,1-Dichloropropene	U		0.00110	0.00339	1.23	08/22/2020 22:45	WG1530753
1,3-Dichloropropane	U		0.000679	0.00678	1.23	08/22/2020 22:45	WG1530753
cis-1,3-Dichloropropene	U		0.00103	0.00339	1.23	08/22/2020 22:45	WG1530753
trans-1,3-Dichloropropene	U		0.00154	0.00678	1.23	08/22/2020 22:45	WG1530753
trans-1,4-Dichloro-2-butene	U		0.00252	0.00678	1.23	08/22/2020 22:45	WG1530753
2,2-Dichloropropane	U		0.00187	0.00339	1.23	08/22/2020 22:45	WG1530753
Di-isopropyl ether	U		0.000555	0.00136	1.23	08/22/2020 22:45	WG1530753
Ethylbenzene	0.00268	J	0.000999	0.00339	1.23	08/22/2020 22:45	WG1530753
Hexachloro-1,3-butadiene	U	J0	0.00813	0.0339	1.23	08/22/2020 22:45	WG1530753
2-Hexanone	U		0.00455	0.0339	1.23	08/22/2020 22:45	WG1530753
n-Hexane	U		0.00306	0.00678	1.23	08/22/2020 22:45	WG1530753
Iodomethane	U		0.00314	0.0170	1.23	08/22/2020 22:45	WG1530753
Isopropylbenzene	U		0.000576	0.00339	1.23	08/22/2020 22:45	WG1530753
p-Isopropyltoluene	U		0.00346	0.00678	1.23	08/22/2020 22:45	WG1530753
2-Butanone (MEK)	U		0.0861	0.136	1.23	08/22/2020 22:45	WG1530753
Methylene Chloride	U		0.00900	0.0339	1.23	08/22/2020 22:45	WG1530753
4-Methyl-2-pentanone (MIBK)	U		0.00309	0.0339	1.23	08/22/2020 22:45	WG1530753

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		0.000475	0.00136	1.23	08/22/2020 22:45	WG1530753
Naphthalene	0.0130	J J0	0.00661	0.0170	1.23	08/22/2020 22:45	WG1530753
n-Propylbenzene	U		0.00129	0.00678	1.23	08/22/2020 22:45	WG1530753
Styrene	0.000813	J	0.000311	0.0170	1.23	08/22/2020 22:45	WG1530753
1,1,1,2-Tetrachloroethane	U	J0	0.00129	0.00339	1.23	08/22/2020 22:45	WG1530753
1,1,2,2-Tetrachloroethane	U		0.000942	0.00339	1.23	08/22/2020 22:45	WG1530753
1,1,2-Trichlorotrifluoroethane	U		0.00102	0.00339	1.23	08/22/2020 22:45	WG1530753
Tetrachloroethene	U		0.00121	0.00339	1.23	08/22/2020 22:45	WG1530753
Toluene	0.0252		0.00176	0.00678	1.23	08/22/2020 22:45	WG1530753
1,2,3-Trichlorobenzene	U	J0	0.00994	0.0170	1.23	08/22/2020 22:45	WG1530753
1,2,4-Trichlorobenzene	U	J0	0.00596	0.0170	1.23	08/22/2020 22:45	WG1530753
1,1,1-Trichloroethane	U		0.00126	0.00339	1.23	08/22/2020 22:45	WG1530753
1,1,2-Trichloroethane	U		0.000809	0.00339	1.23	08/22/2020 22:45	WG1530753
Trichloroethene	U		0.000791	0.00136	1.23	08/22/2020 22:45	WG1530753
Trichlorofluoromethane	U		0.00112	0.00339	1.23	08/22/2020 22:45	WG1530753
1,2,3-Trichloropropane	U		0.00219	0.0170	1.23	08/22/2020 22:45	WG1530753
1,2,4-Trimethylbenzene	0.00441	J	0.00214	0.00678	1.23	08/22/2020 22:45	WG1530753
1,2,3-Trimethylbenzene	0.00299	J	0.00214	0.00678	1.23	08/22/2020 22:45	WG1530753
1,3,5-Trimethylbenzene	U		0.00271	0.00678	1.23	08/22/2020 22:45	WG1530753
Vinyl acetate	U		0.00344	0.0170	1.23	08/22/2020 22:45	WG1530753
Vinyl chloride	U		0.00158	0.00339	1.23	08/22/2020 22:45	WG1530753
Xylenes, Total	0.0159		0.00119	0.00882	1.23	08/22/2020 22:45	WG1530753
(S) Toluene-d8	*94.4*			*75.0-131*		*08/22/2020 22:45*	WG1530753
(S) 4-Bromofluorobenzene	*96.9*			*67.0-138*		*08/22/2020 22:45*	WG1530753
(S) 1,2-Dichloroethane-d4	*95.9*			*70.0-130*		*08/22/2020 22:45*	WG1530753

Method Blank (MB)

(MB) R3562731-1 08/23/20 01:07

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1253173-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1253173-02 08/23/20 01:07 • (DUP) R3562731-3 08/23/20 01:07

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.2	93.5	1	0.255		10

Laboratory Control Sample (LCS)

(LCS) R3562731-2 08/23/20 01:07

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) R3563367-1 08/24/20 12:58

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1253451-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1253451-09 08/24/20 12:58 • (DUP) R3563367-3 08/24/20 12:58

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.7	92.5	1	2.35		10

Laboratory Control Sample (LCS)

(LCS) R3563367-2 08/24/20 12:58

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) R3563271-3 08/22/20 19:08

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) R3563271-3 08/22/20 19:08

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	*95.3*			*75.0-131*
(S) 4-Bromofluorobenzene	*91.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*89.2*			*70.0-130*

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

(LCS) R3563271-1 08/22/20 17:04 • (LCSD) R3563271-2 08/22/20 17:23

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	0.788	0.930	126	149	10.0-160			16.5	31
Acrylonitrile	0.625	0.723	0.745	116	119	45.0-153			3.00	22
Benzene	0.125	0.124	0.117	99.2	93.6	70.0-123			5.81	20
Bromobenzene	0.125	0.120	0.117	96.0	93.6	73.0-121			2.53	20
Bromodichloromethane	0.125	0.123	0.118	98.4	94.4	73.0-121			4.15	20
Bromochloromethane	0.125	0.116	0.111	92.8	88.8	77.0-128			4.41	20
Bromoform	0.125	0.105	0.102	84.0	81.6	64.0-132			2.90	20
Bromomethane	0.125	0.124	0.114	99.2	91.2	56.0-147			8.40	20
n-Butylbenzene	0.125	0.114	0.106	91.2	84.8	68.0-135			7.27	20
sec-Butylbenzene	0.125	0.120	0.110	96.0	88.0	74.0-130			8.70	20
tert-Butylbenzene	0.125	0.122	0.112	97.6	89.6	75.0-127			8.55	20
Carbon disulfide	0.125	0.119	0.103	95.2	82.4	56.0-133			14.4	20
Carbon tetrachloride	0.125	0.114	0.108	91.2	86.4	66.0-128			5.41	20
Chlorobenzene	0.125	0.117	0.114	93.6	91.2	76.0-128			2.60	20
Chlorodibromomethane	0.125	0.106	0.103	84.8	82.4	74.0-127			2.87	20
Chloroethane	0.125	0.117	0.110	93.6	88.0	61.0-134			6.17	20
Chloroform	0.125	0.129	0.120	103	96.0	72.0-123			7.23	20
Chloromethane	0.125	0.112	0.104	89.6	83.2	51.0-138			7.41	20
2-Chlorotoluene	0.125	0.113	0.109	90.4	87.2	75.0-124			3.60	20
4-Chlorotoluene	0.125	0.131	0.125	105	100	75.0-124			4.69	20
1,2-Dibromo-3-Chloropropane	0.125	0.105	0.105	84.0	84.0	59.0-130			0.000	20
1,2-Dibromoethane	0.125	0.114	0.117	91.2	93.6	74.0-128			2.60	20
Dibromomethane	0.125	0.120	0.119	96.0	95.2	75.0-122			0.837	20
1,2-Dichlorobenzene	0.125	0.110	0.104	88.0	83.2	76.0-124			5.61	20
1,3-Dichlorobenzene	0.125	0.114	0.112	91.2	89.6	76.0-125			1.77	20
1,4-Dichlorobenzene	0.125	0.110	0.106	88.0	84.8	77.0-121			3.70	20
trans-1,4-Dichloro-2-butene	0.125	0.148	0.138	118	110	45.0-143			6.99	20
Dichlorodifluoromethane	0.125	0.126	0.115	101	92.0	43.0-156			9.13	20
1,1-Dichloroethane	0.125	0.130	0.120	104	96.0	70.0-127			8.00	20
1,2-Dichloroethane	0.125	0.138	0.136	110	109	65.0-131			1.46	20
1,1-Dichloroethene	0.125	0.123	0.111	98.4	88.8	65.0-131			10.3	20
cis-1,2-Dichloroethene	0.125	0.127	0.115	102	92.0	73.0-125			9.92	20
trans-1,2-Dichloroethene	0.125	0.118	0.106	94.4	84.8	71.0-125			10.7	20
1,2-Dichloropropane	0.125	0.124	0.124	99.2	99.2	74.0-125			0.000	20
1,1-Dichloropropene	0.125	0.120	0.117	96.0	93.6	73.0-125			2.53	20
1,3-Dichloropropane	0.125	0.121	0.123	96.8	98.4	80.0-125			1.64	20
cis-1,3-Dichloropropene	0.125	0.137	0.133	110	106	76.0-127			2.96	20
trans-1,3-Dichloropropene	0.125	0.116	0.116	92.8	92.8	73.0-127			0.000	20
2,2-Dichloropropane	0.125	0.123	0.110	98.4	88.0	59.0-135			11.2	20
Di-isopropyl ether	0.125	0.130	0.125	104	100	60.0-136			3.92	20

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

(LCS) R3563271-1 08/22/20 17:04 • (LCSD) R3563271-2 08/22/20 17:23

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	0.109	0.104	87.2	83.2	74.0-126			4.69	20
Hexachloro-1,3-butadiene	0.125	0.0952	0.0927	76.2	74.2	57.0-150			2.66	20
2-Hexanone	0.625	0.632	0.689	101	110	54.0-147			8.63	20
n-Hexane	0.125	0.134	0.133	107	106	55.0-137			0.749	20
Iodomethane	0.625	0.575	0.519	92.0	83.0	74.0-134			10.2	20
Isopropylbenzene	0.125	0.105	0.101	84.0	80.8	72.0-127			3.88	20
p-Isopropyltoluene	0.125	0.115	0.108	92.0	86.4	72.0-133			6.28	20
2-Butanone (MEK)	0.625	0.661	0.684	106	109	30.0-160			3.42	24
Methylene Chloride	0.125	0.137	0.124	110	99.2	68.0-123			9.96	20
4-Methyl-2-pentanone (MIBK)	0.625	0.609	0.643	97.4	103	56.0-143			5.43	20
Methyl tert-butyl ether	0.125	0.133	0.127	106	102	66.0-132			4.62	20
Naphthalene	0.125	0.0892	0.0908	71.4	72.6	59.0-130			1.78	20
n-Propylbenzene	0.125	0.131	0.123	105	98.4	74.0-126			6.30	20
Styrene	0.125	0.109	0.104	87.2	83.2	72.0-127			4.69	20
1,1,1,2-Tetrachloroethane	0.125	0.0989	0.0943	79.1	75.4	74.0-129			4.76	20
1,1,2,2-Tetrachloroethane	0.125	0.133	0.130	106	104	68.0-128			2.28	20
Tetrachloroethene	0.125	0.107	0.0990	85.6	79.2	70.0-136			7.77	20
Toluene	0.125	0.110	0.110	88.0	88.0	75.0-121			0.000	20
1,1,2-Trichlorotrifluoroethane	0.125	0.130	0.123	104	98.4	61.0-139			5.53	20
1,2,3-Trichlorobenzene	0.125	0.0772	0.0760	61.8	60.8	59.0-139			1.57	20
1,2,4-Trichlorobenzene	0.125	0.0942	0.0954	75.4	76.3	62.0-137			1.27	20
1,1,1-Trichloroethane	0.125	0.121	0.112	96.8	89.6	69.0-126			7.73	20
1,1,2-Trichloroethane	0.125	0.114	0.118	91.2	94.4	78.0-123			3.45	20
Trichloroethene	0.125	0.114	0.114	91.2	91.2	76.0-126			0.000	20
Trichlorofluoromethane	0.125	0.124	0.108	99.2	86.4	61.0-142			13.8	20
1,2,3-Trichloropropane	0.125	0.129	0.133	103	106	67.0-129			3.05	20
1,2,3-Trimethylbenzene	0.125	0.112	0.108	89.6	86.4	74.0-124			3.64	20
1,2,4-Trimethylbenzene	0.125	0.116	0.112	92.8	89.6	70.0-126			3.51	20
1,3,5-Trimethylbenzene	0.125	0.120	0.114	96.0	91.2	73.0-127			5.13	20
Vinyl acetate	0.625	0.628	0.646	100	103	43.0-159			2.83	20
Vinyl chloride	0.125	0.112	0.0942	89.6	75.4	63.0-134			17.3	20
Xylenes, Total	0.375	0.320	0.309	85.3	82.4	72.0-127			3.50	20
(S) Toluene-d8				*89.1*	*91.7*	*75.0-131*				
(S) 4-Bromofluorobenzene				*97.7*	*96.9*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*100*	*102*	*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.

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

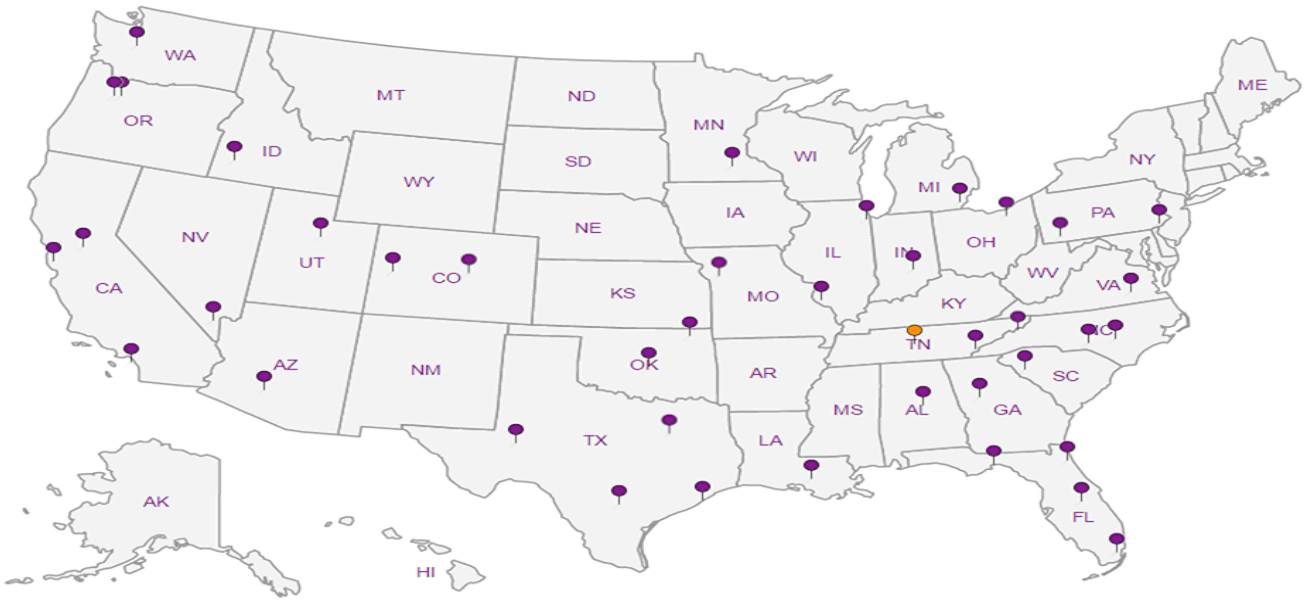
Third Party Federal Accreditations

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.SUB ~~02.501B~~ 02.202

Lab Project # PESENVSWA-ALP

Collected by (print): K. Springstead/R.McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature): RTM

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 by 8/25/20 End of day

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)
B-289-0.5	Grab	SS	0.5	8-19-20	~~935~~	2	X											-01
B-288-1	↓	SS	1	↓	950	2	X											02
B-283-0.5	↓	SS	0.5	↓	1135	2	X											03
B-284-1	Grab	SS	1	↓	1205	2	X											04
B-285-1	Grab	SS	1	8/19/20	1340	2	X											05
B-286-0.5	↓	SS	0.5	↓	1329	2	X											06
B-287-1	Grab	SS	1	8/19/20	1405	2	X											07
B-290-1	Grab	SS	1	8/20/20	1005	2	X											08
B-291-1	↓	SS	1	↓	1405	2	X											09
		SS																

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 # L1253451

Table # J115

Acct # 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 # 1203 5774 6595

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
Hannah Collin	8/20/20	1545		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.9-1-3.8 °C Bottles Received: 18
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8-21-20 Time: 9:30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

August 26, 2020

PES Environmental, Inc.- WA

Sample Delivery Group:	L1253974
Samples Received:	08/25/2020
Project Number:	1413.001.05.202
Description:	American Linen

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

Entire Report Reviewed By:

Jared Starkey
Project Manager

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

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B-292-3 L1253974-01 Solid

Collected by: Hannah Cohen | Collected date/time: 08/22/20 11:00 | Received date/time: 08/25/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1531939	1	08/25/20 12:44	08/25/20 12:52	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1532013	1	08/22/20 11:00	08/25/20 21:46	DWR	Mt. Juliet, TN

B-292-6 L1253974-02 Solid

Collected by: Hannah Cohen | Collected date/time: 08/22/20 11:08 | Received date/time: 08/25/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1531939	1	08/25/20 12:44	08/25/20 12:52	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1532013	1	08/22/20 11:08	08/25/20 22:05	DWR	Mt. Juliet, TN

B-292-9 L1253974-03 Solid

Collected by: Hannah Cohen | Collected date/time: 08/22/20 11:15 | Received date/time: 08/25/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1531939	1	08/25/20 12:44	08/25/20 12:52	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1532013	1	08/22/20 11:15	08/25/20 22:23	DWR	Mt. Juliet, TN

B-292-12 L1253974-04 Solid

Collected by: Hannah Cohen | Collected date/time: 08/22/20 11:20 | Received date/time: 08/25/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1531939	1	08/25/20 12:44	08/25/20 12:52	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1532013	1	08/22/20 11:20	08/25/20 22:42	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.

Jared Starkey
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	08/25/2020 12:52	WG1531939

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		0.0459	0.0629	1	08/25/2020 21:46	WG1532013
Acrylonitrile	U		0.00454	0.0157	1	08/25/2020 21:46	WG1532013
Benzene	U		0.000588	0.00126	1	08/25/2020 21:46	WG1532013
Bromobenzene	U		0.00113	0.0157	1	08/25/2020 21:46	WG1532013
Bromodichloromethane	U		0.000912	0.00315	1	08/25/2020 21:46	WG1532013
Bromochloromethane	U		0.000710	0.00629	1	08/25/2020 21:46	WG1532013
Bromoform	U		0.00147	0.0315	1	08/25/2020 21:46	WG1532013
Bromomethane	U		0.00248	0.0157	1	08/25/2020 21:46	WG1532013
n-Butylbenzene	U		0.00661	0.0157	1	08/25/2020 21:46	WG1532013
sec-Butylbenzene	U		0.00362	0.0157	1	08/25/2020 21:46	WG1532013
tert-Butylbenzene	U		0.00245	0.00629	1	08/25/2020 21:46	WG1532013
Carbon disulfide	U		0.000881	0.0157	1	08/25/2020 21:46	WG1532013
Carbon tetrachloride	U		0.00113	0.00629	1	08/25/2020 21:46	WG1532013
Chlorobenzene	U		0.000264	0.00315	1	08/25/2020 21:46	WG1532013
Chlorodibromomethane	U		0.000770	0.00315	1	08/25/2020 21:46	WG1532013
Chloroethane	U		0.00214	0.00629	1	08/25/2020 21:46	WG1532013
Chloroform	U		0.00130	0.00315	1	08/25/2020 21:46	WG1532013
Chloromethane	U		0.00547	0.0157	1	08/25/2020 21:46	WG1532013
2-Chlorotoluene	U		0.00109	0.00315	1	08/25/2020 21:46	WG1532013
4-Chlorotoluene	U		0.000566	0.00629	1	08/25/2020 21:46	WG1532013
1,2-Dibromo-3-Chloropropane	U		0.00491	0.0315	1	08/25/2020 21:46	WG1532013
1,2-Dibromoethane	U		0.000815	0.00315	1	08/25/2020 21:46	WG1532013
Dibromomethane	U		0.000944	0.00629	1	08/25/2020 21:46	WG1532013
1,2-Dichlorobenzene	U		0.000535	0.00629	1	08/25/2020 21:46	WG1532013
1,3-Dichlorobenzene	U		0.000755	0.00629	1	08/25/2020 21:46	WG1532013
1,4-Dichlorobenzene	U		0.000881	0.00629	1	08/25/2020 21:46	WG1532013
Dichlorodifluoromethane	U		0.00203	0.00315	1	08/25/2020 21:46	WG1532013
1,1-Dichloroethane	U		0.000618	0.00315	1	08/25/2020 21:46	WG1532013
1,2-Dichloroethane	U		0.000817	0.00315	1	08/25/2020 21:46	WG1532013
1,1-Dichloroethene	U		0.000763	0.00315	1	08/25/2020 21:46	WG1532013
cis-1,2-Dichloroethene	U		0.000924	0.00315	1	08/25/2020 21:46	WG1532013
trans-1,2-Dichloroethene	U		0.00131	0.00629	1	08/25/2020 21:46	WG1532013
1,2-Dichloropropane	U		0.00179	0.00629	1	08/25/2020 21:46	WG1532013
1,1-Dichloropropene	U		0.00102	0.00315	1	08/25/2020 21:46	WG1532013
1,3-Dichloropropane	U		0.000630	0.00629	1	08/25/2020 21:46	WG1532013
cis-1,3-Dichloropropene	U		0.000953	0.00315	1	08/25/2020 21:46	WG1532013
trans-1,3-Dichloropropene	U		0.00143	0.00629	1	08/25/2020 21:46	WG1532013
trans-1,4-Dichloro-2-butene	U		0.00234	0.00629	1	08/25/2020 21:46	WG1532013
2,2-Dichloropropane	U		0.00174	0.00315	1	08/25/2020 21:46	WG1532013
Di-isopropyl ether	U		0.000516	0.00126	1	08/25/2020 21:46	WG1532013
Ethylbenzene	U		0.000927	0.00315	1	08/25/2020 21:46	WG1532013
Hexachloro-1,3-butadiene	U		0.00755	0.0315	1	08/25/2020 21:46	WG1532013
2-Hexanone	U		0.00423	0.0315	1	08/25/2020 21:46	WG1532013
n-Hexane	U		0.00284	0.00629	1	08/25/2020 21:46	WG1532013
Iodomethane	U		0.00292	0.0157	1	08/25/2020 21:46	WG1532013
Isopropylbenzene	U		0.000535	0.00315	1	08/25/2020 21:46	WG1532013
p-Isopropyltoluene	U		0.00321	0.00629	1	08/25/2020 21:46	WG1532013
2-Butanone (MEK)	U		0.0799	0.126	1	08/25/2020 21:46	WG1532013
Methylene Chloride	U		0.00836	0.0315	1	08/25/2020 21:46	WG1532013
4-Methyl-2-pentanone (MIBK)	U		0.00287	0.0315	1	08/25/2020 21:46	WG1532013

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		0.000440	0.00126	1	08/25/2020 21:46	WG1532013
Naphthalene	U	J0	0.00614	0.0157	1	08/25/2020 21:46	WG1532013
n-Propylbenzene	U		0.00120	0.00629	1	08/25/2020 21:46	WG1532013
Styrene	U		0.000288	0.0157	1	08/25/2020 21:46	WG1532013
1,1,1,2-Tetrachloroethane	U		0.00119	0.00315	1	08/25/2020 21:46	WG1532013
1,1,2,2-Tetrachloroethane	U		0.000875	0.00315	1	08/25/2020 21:46	WG1532013
1,1,2-Trichlorotrifluoroethane	U		0.000949	0.00315	1	08/25/2020 21:46	WG1532013
Tetrachloroethene	0.00258	J	0.00113	0.00315	1	08/25/2020 21:46	WG1532013
Toluene	U		0.00164	0.00629	1	08/25/2020 21:46	WG1532013
1,2,3-Trichlorobenzene	U	J0	0.00922	0.0157	1	08/25/2020 21:46	WG1532013
1,2,4-Trichlorobenzene	U	J0	0.00554	0.0157	1	08/25/2020 21:46	WG1532013
1,1,1-Trichloroethane	U		0.00116	0.00315	1	08/25/2020 21:46	WG1532013
1,1,2-Trichloroethane	U		0.000751	0.00315	1	08/25/2020 21:46	WG1532013
Trichloroethene	U		0.000735	0.00126	1	08/25/2020 21:46	WG1532013
Trichlorofluoromethane	U		0.00104	0.00315	1	08/25/2020 21:46	WG1532013
1,2,3-Trichloropropane	U		0.00204	0.0157	1	08/25/2020 21:46	WG1532013
1,2,4-Trimethylbenzene	U		0.00199	0.00629	1	08/25/2020 21:46	WG1532013
1,2,3-Trimethylbenzene	U		0.00199	0.00629	1	08/25/2020 21:46	WG1532013
1,3,5-Trimethylbenzene	U		0.00252	0.00629	1	08/25/2020 21:46	WG1532013
Vinyl acetate	U		0.00320	0.0157	1	08/25/2020 21:46	WG1532013
Vinyl chloride	U		0.00146	0.00315	1	08/25/2020 21:46	WG1532013
Xylenes, Total	U		0.00111	0.00818	1	08/25/2020 21:46	WG1532013
(S) Toluene-d8	*91.9*			*75.0-131*		*08/25/2020 21:46*	WG1532013
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*08/25/2020 21:46*	WG1532013
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*08/25/2020 21:46*	WG1532013

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.4		1	08/25/2020 12:52	WG1531939

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		0.0475	0.0650	1	08/25/2020 22:05	WG1532013
Acrylonitrile	U		0.00469	0.0163	1	08/25/2020 22:05	WG1532013
Benzene	U		0.000607	0.00130	1	08/25/2020 22:05	WG1532013
Bromobenzene	U		0.00117	0.0163	1	08/25/2020 22:05	WG1532013
Bromodichloromethane	U		0.000943	0.00325	1	08/25/2020 22:05	WG1532013
Bromochloromethane	U		0.000733	0.00650	1	08/25/2020 22:05	WG1532013
Bromoform	U		0.00152	0.0325	1	08/25/2020 22:05	WG1532013
Bromomethane	U		0.00256	0.0163	1	08/25/2020 22:05	WG1532013
n-Butylbenzene	U		0.00683	0.0163	1	08/25/2020 22:05	WG1532013
sec-Butylbenzene	U		0.00374	0.0163	1	08/25/2020 22:05	WG1532013
tert-Butylbenzene	U		0.00254	0.00650	1	08/25/2020 22:05	WG1532013
Carbon disulfide	U		0.000910	0.0163	1	08/25/2020 22:05	WG1532013
Carbon tetrachloride	U		0.00117	0.00650	1	08/25/2020 22:05	WG1532013
Chlorobenzene	U		0.000273	0.00325	1	08/25/2020 22:05	WG1532013
Chlorodibromomethane	U		0.000796	0.00325	1	08/25/2020 22:05	WG1532013
Chloroethane	U		0.00221	0.00650	1	08/25/2020 22:05	WG1532013
Chloroform	U		0.00134	0.00325	1	08/25/2020 22:05	WG1532013
Chloromethane	U		0.00566	0.0163	1	08/25/2020 22:05	WG1532013
2-Chlorotoluene	U		0.00112	0.00325	1	08/25/2020 22:05	WG1532013
4-Chlorotoluene	U		0.000585	0.00650	1	08/25/2020 22:05	WG1532013
1,2-Dibromo-3-Chloropropane	U		0.00507	0.0325	1	08/25/2020 22:05	WG1532013
1,2-Dibromoethane	U		0.000842	0.00325	1	08/25/2020 22:05	WG1532013
Dibromomethane	U		0.000975	0.00650	1	08/25/2020 22:05	WG1532013
1,2-Dichlorobenzene	U		0.000553	0.00650	1	08/25/2020 22:05	WG1532013
1,3-Dichlorobenzene	U		0.000780	0.00650	1	08/25/2020 22:05	WG1532013
1,4-Dichlorobenzene	U		0.000910	0.00650	1	08/25/2020 22:05	WG1532013
Dichlorodifluoromethane	U		0.00209	0.00325	1	08/25/2020 22:05	WG1532013
1,1-Dichloroethane	U		0.000638	0.00325	1	08/25/2020 22:05	WG1532013
1,2-Dichloroethane	U		0.000844	0.00325	1	08/25/2020 22:05	WG1532013
1,1-Dichloroethene	U		0.000788	0.00325	1	08/25/2020 22:05	WG1532013
cis-1,2-Dichloroethene	U		0.000954	0.00325	1	08/25/2020 22:05	WG1532013
trans-1,2-Dichloroethene	U		0.00135	0.00650	1	08/25/2020 22:05	WG1532013
1,2-Dichloropropane	U		0.00185	0.00650	1	08/25/2020 22:05	WG1532013
1,1-Dichloropropene	U		0.00105	0.00325	1	08/25/2020 22:05	WG1532013
1,3-Dichloropropane	U		0.000651	0.00650	1	08/25/2020 22:05	WG1532013
cis-1,3-Dichloropropene	U		0.000984	0.00325	1	08/25/2020 22:05	WG1532013
trans-1,3-Dichloropropene	U		0.00148	0.00650	1	08/25/2020 22:05	WG1532013
trans-1,4-Dichloro-2-butene	U		0.00242	0.00650	1	08/25/2020 22:05	WG1532013
2,2-Dichloropropane	U		0.00179	0.00325	1	08/25/2020 22:05	WG1532013
Di-isopropyl ether	U		0.000533	0.00130	1	08/25/2020 22:05	WG1532013
Ethylbenzene	U		0.000958	0.00325	1	08/25/2020 22:05	WG1532013
Hexachloro-1,3-butadiene	U		0.00780	0.0325	1	08/25/2020 22:05	WG1532013
2-Hexanone	U		0.00437	0.0325	1	08/25/2020 22:05	WG1532013
n-Hexane	U		0.00294	0.00650	1	08/25/2020 22:05	WG1532013
Iodomethane	U		0.00302	0.0163	1	08/25/2020 22:05	WG1532013
Isopropylbenzene	U		0.000553	0.00325	1	08/25/2020 22:05	WG1532013
p-Isopropyltoluene	U		0.00332	0.00650	1	08/25/2020 22:05	WG1532013
2-Butanone (MEK)	U		0.0826	0.130	1	08/25/2020 22:05	WG1532013
Methylene Chloride	U		0.00863	0.0325	1	08/25/2020 22:05	WG1532013
4-Methyl-2-pentanone (MIBK)	U		0.00296	0.0325	1	08/25/2020 22:05	WG1532013

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		0.000455	0.00130	1	08/25/2020 22:05	WG1532013
Naphthalene	U	J0	0.00634	0.0163	1	08/25/2020 22:05	WG1532013
n-Propylbenzene	U		0.00124	0.00650	1	08/25/2020 22:05	WG1532013
Styrene	U		0.000298	0.0163	1	08/25/2020 22:05	WG1532013
1,1,1,2-Tetrachloroethane	U		0.00123	0.00325	1	08/25/2020 22:05	WG1532013
1,1,2,2-Tetrachloroethane	U		0.000904	0.00325	1	08/25/2020 22:05	WG1532013
1,1,2-Trichlorotrifluoroethane	U		0.000980	0.00325	1	08/25/2020 22:05	WG1532013
Tetrachloroethene	0.00315	J	0.00116	0.00325	1	08/25/2020 22:05	WG1532013
Toluene	U		0.00169	0.00650	1	08/25/2020 22:05	WG1532013
1,2,3-Trichlorobenzene	U	J0	0.00953	0.0163	1	08/25/2020 22:05	WG1532013
1,2,4-Trichlorobenzene	U	J0	0.00572	0.0163	1	08/25/2020 22:05	WG1532013
1,1,1-Trichloroethane	U		0.00120	0.00325	1	08/25/2020 22:05	WG1532013
1,1,2-Trichloroethane	U		0.000776	0.00325	1	08/25/2020 22:05	WG1532013
Trichloroethene	U		0.000759	0.00130	1	08/25/2020 22:05	WG1532013
Trichlorofluoromethane	U		0.00108	0.00325	1	08/25/2020 22:05	WG1532013
1,2,3-Trichloropropane	U		0.00211	0.0163	1	08/25/2020 22:05	WG1532013
1,2,4-Trimethylbenzene	U		0.00205	0.00650	1	08/25/2020 22:05	WG1532013
1,2,3-Trimethylbenzene	U		0.00205	0.00650	1	08/25/2020 22:05	WG1532013
1,3,5-Trimethylbenzene	U		0.00260	0.00650	1	08/25/2020 22:05	WG1532013
Vinyl acetate	U		0.00330	0.0163	1	08/25/2020 22:05	WG1532013
Vinyl chloride	U		0.00151	0.00325	1	08/25/2020 22:05	WG1532013
Xylenes, Total	U		0.00114	0.00845	1	08/25/2020 22:05	WG1532013
(S) Toluene-d8	*91.6*			*75.0-131*		*08/25/2020 22:05*	WG1532013
(S) 4-Bromofluorobenzene	*95.6*			*67.0-138*		*08/25/2020 22:05*	WG1532013
(S) 1,2-Dichloroethane-d4	*92.7*			*70.0-130*		*08/25/2020 22:05*	WG1532013

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.6		1	08/25/2020 12:52	WG1531939

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	0.0591	1	08/25/2020 22:23	WG1532013
Acrylonitrile	U		0.00427	0.0148	1	08/25/2020 22:23	WG1532013
Benzene	U		0.000552	0.00118	1	08/25/2020 22:23	WG1532013
Bromobenzene	U		0.00106	0.0148	1	08/25/2020 22:23	WG1532013
Bromodichloromethane	U		0.000857	0.00295	1	08/25/2020 22:23	WG1532013
Bromochloromethane	U		0.000667	0.00591	1	08/25/2020 22:23	WG1532013
Bromoform	U		0.00138	0.0295	1	08/25/2020 22:23	WG1532013
Bromomethane	U		0.00233	0.0148	1	08/25/2020 22:23	WG1532013
n-Butylbenzene	U		0.00620	0.0148	1	08/25/2020 22:23	WG1532013
sec-Butylbenzene	U		0.00340	0.0148	1	08/25/2020 22:23	WG1532013
tert-Butylbenzene	U		0.00230	0.00591	1	08/25/2020 22:23	WG1532013
Carbon disulfide	U		0.000827	0.0148	1	08/25/2020 22:23	WG1532013
Carbon tetrachloride	U		0.00106	0.00591	1	08/25/2020 22:23	WG1532013
Chlorobenzene	U		0.000248	0.00295	1	08/25/2020 22:23	WG1532013
Chlorodibromomethane	U		0.000723	0.00295	1	08/25/2020 22:23	WG1532013
Chloroethane	U		0.00201	0.00591	1	08/25/2020 22:23	WG1532013
Chloroform	U		0.00122	0.00295	1	08/25/2020 22:23	WG1532013
Chloromethane	U		0.00514	0.0148	1	08/25/2020 22:23	WG1532013
2-Chlorotoluene	U		0.00102	0.00295	1	08/25/2020 22:23	WG1532013
4-Chlorotoluene	U		0.000532	0.00591	1	08/25/2020 22:23	WG1532013
1,2-Dibromo-3-Chloropropane	U		0.00461	0.0295	1	08/25/2020 22:23	WG1532013
1,2-Dibromoethane	U		0.000766	0.00295	1	08/25/2020 22:23	WG1532013
Dibromomethane	U		0.000886	0.00591	1	08/25/2020 22:23	WG1532013
1,2-Dichlorobenzene	U		0.000502	0.00591	1	08/25/2020 22:23	WG1532013
1,3-Dichlorobenzene	U		0.000709	0.00591	1	08/25/2020 22:23	WG1532013
1,4-Dichlorobenzene	U		0.000827	0.00591	1	08/25/2020 22:23	WG1532013
Dichlorodifluoromethane	U		0.00190	0.00295	1	08/25/2020 22:23	WG1532013
1,1-Dichloroethane	U		0.000580	0.00295	1	08/25/2020 22:23	WG1532013
1,2-Dichloroethane	U		0.000767	0.00295	1	08/25/2020 22:23	WG1532013
1,1-Dichloroethene	U		0.000716	0.00295	1	08/25/2020 22:23	WG1532013
cis-1,2-Dichloroethene	U		0.000867	0.00295	1	08/25/2020 22:23	WG1532013
trans-1,2-Dichloroethene	U		0.00123	0.00591	1	08/25/2020 22:23	WG1532013
1,2-Dichloropropane	U		0.00168	0.00591	1	08/25/2020 22:23	WG1532013
1,1-Dichloropropene	U		0.000956	0.00295	1	08/25/2020 22:23	WG1532013
1,3-Dichloropropane	U		0.000592	0.00591	1	08/25/2020 22:23	WG1532013
cis-1,3-Dichloropropene	U		0.000895	0.00295	1	08/25/2020 22:23	WG1532013
trans-1,3-Dichloropropene	U		0.00135	0.00591	1	08/25/2020 22:23	WG1532013
trans-1,4-Dichloro-2-butene	U		0.00220	0.00591	1	08/25/2020 22:23	WG1532013
2,2-Dichloropropane	U		0.00163	0.00295	1	08/25/2020 22:23	WG1532013
Di-isopropyl ether	U		0.000485	0.00118	1	08/25/2020 22:23	WG1532013
Ethylbenzene	U		0.000871	0.00295	1	08/25/2020 22:23	WG1532013
Hexachloro-1,3-butadiene	U		0.00709	0.0295	1	08/25/2020 22:23	WG1532013
2-Hexanone	U		0.00397	0.0295	1	08/25/2020 22:23	WG1532013
n-Hexane	U		0.00267	0.00591	1	08/25/2020 22:23	WG1532013
Iodomethane	U		0.00274	0.0148	1	08/25/2020 22:23	WG1532013
Isopropylbenzene	U		0.000502	0.00295	1	08/25/2020 22:23	WG1532013
p-Isopropyltoluene	U		0.00301	0.00591	1	08/25/2020 22:23	WG1532013
2-Butanone (MEK)	U		0.0750	0.118	1	08/25/2020 22:23	WG1532013
Methylene Chloride	U		0.00785	0.0295	1	08/25/2020 22:23	WG1532013
4-Methyl-2-pentanone (MIBK)	U		0.00269	0.0295	1	08/25/2020 22:23	WG1532013

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		0.000414	0.00118	1	08/25/2020 22:23	WG1532013
Naphthalene	U	J0	0.00577	0.0148	1	08/25/2020 22:23	WG1532013
n-Propylbenzene	U		0.00112	0.00591	1	08/25/2020 22:23	WG1532013
Styrene	U		0.000271	0.0148	1	08/25/2020 22:23	WG1532013
1,1,1,2-Tetrachloroethane	U		0.00112	0.00295	1	08/25/2020 22:23	WG1532013
1,1,2,2-Tetrachloroethane	U		0.000821	0.00295	1	08/25/2020 22:23	WG1532013
1,1,2-Trichlorotrifluoroethane	U		0.000891	0.00295	1	08/25/2020 22:23	WG1532013
Tetrachloroethene	0.00273	J	0.00106	0.00295	1	08/25/2020 22:23	WG1532013
Toluene	U		0.00154	0.00591	1	08/25/2020 22:23	WG1532013
1,2,3-Trichlorobenzene	U	J0	0.00866	0.0148	1	08/25/2020 22:23	WG1532013
1,2,4-Trichlorobenzene	U	J0	0.00520	0.0148	1	08/25/2020 22:23	WG1532013
1,1,1-Trichloroethane	U		0.00109	0.00295	1	08/25/2020 22:23	WG1532013
1,1,2-Trichloroethane	U		0.000706	0.00295	1	08/25/2020 22:23	WG1532013
Trichloroethene	U		0.000690	0.00118	1	08/25/2020 22:23	WG1532013
Trichlorofluoromethane	U		0.000977	0.00295	1	08/25/2020 22:23	WG1532013
1,2,3-Trichloropropane	U		0.00191	0.0148	1	08/25/2020 22:23	WG1532013
1,2,4-Trimethylbenzene	U		0.00187	0.00591	1	08/25/2020 22:23	WG1532013
1,2,3-Trimethylbenzene	U		0.00187	0.00591	1	08/25/2020 22:23	WG1532013
1,3,5-Trimethylbenzene	U		0.00236	0.00591	1	08/25/2020 22:23	WG1532013
Vinyl acetate	U		0.00300	0.0148	1	08/25/2020 22:23	WG1532013
Vinyl chloride	U		0.00137	0.00295	1	08/25/2020 22:23	WG1532013
Xylenes, Total	U		0.00104	0.00768	1	08/25/2020 22:23	WG1532013
(S) Toluene-d8	*93.0*			*75.0-131*		*08/25/2020 22:23*	WG1532013
(S) 4-Bromofluorobenzene	*97.0*			*67.0-138*		*08/25/2020 22:23*	WG1532013
(S) 1,2-Dichloroethane-d4	*95.9*			*70.0-130*		*08/25/2020 22:23*	WG1532013

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	08/25/2020 12:52	WG1531939

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		0.0479	0.0656	1	08/25/2020 22:42	WG1532013
Acrylonitrile	U		0.00474	0.0164	1	08/25/2020 22:42	WG1532013
Benzene	U		0.000613	0.00131	1	08/25/2020 22:42	WG1532013
Bromobenzene	U		0.00118	0.0164	1	08/25/2020 22:42	WG1532013
Bromodichloromethane	U		0.000952	0.00328	1	08/25/2020 22:42	WG1532013
Bromochloromethane	U		0.000740	0.00656	1	08/25/2020 22:42	WG1532013
Bromoform	U		0.00154	0.0328	1	08/25/2020 22:42	WG1532013
Bromomethane	U		0.00259	0.0164	1	08/25/2020 22:42	WG1532013
n-Butylbenzene	U		0.00689	0.0164	1	08/25/2020 22:42	WG1532013
sec-Butylbenzene	U		0.00378	0.0164	1	08/25/2020 22:42	WG1532013
tert-Butylbenzene	U		0.00256	0.00656	1	08/25/2020 22:42	WG1532013
Carbon disulfide	U		0.000919	0.0164	1	08/25/2020 22:42	WG1532013
Carbon tetrachloride	U		0.00118	0.00656	1	08/25/2020 22:42	WG1532013
Chlorobenzene	U		0.000276	0.00328	1	08/25/2020 22:42	WG1532013
Chlorodibromomethane	U		0.000803	0.00328	1	08/25/2020 22:42	WG1532013
Chloroethane	U		0.00223	0.00656	1	08/25/2020 22:42	WG1532013
Chloroform	U		0.00135	0.00328	1	08/25/2020 22:42	WG1532013
Chloromethane	U		0.00571	0.0164	1	08/25/2020 22:42	WG1532013
2-Chlorotoluene	U		0.00114	0.00328	1	08/25/2020 22:42	WG1532013
4-Chlorotoluene	U		0.000591	0.00656	1	08/25/2020 22:42	WG1532013
1,2-Dibromo-3-Chloropropane	U		0.00512	0.0328	1	08/25/2020 22:42	WG1532013
1,2-Dibromoethane	U		0.000851	0.00328	1	08/25/2020 22:42	WG1532013
Dibromomethane	U		0.000984	0.00656	1	08/25/2020 22:42	WG1532013
1,2-Dichlorobenzene	U		0.000558	0.00656	1	08/25/2020 22:42	WG1532013
1,3-Dichlorobenzene	U		0.000788	0.00656	1	08/25/2020 22:42	WG1532013
1,4-Dichlorobenzene	U		0.000919	0.00656	1	08/25/2020 22:42	WG1532013
Dichlorodifluoromethane	U		0.00211	0.00328	1	08/25/2020 22:42	WG1532013
1,1-Dichloroethane	U		0.000645	0.00328	1	08/25/2020 22:42	WG1532013
1,2-Dichloroethane	U		0.000852	0.00328	1	08/25/2020 22:42	WG1532013
1,1-Dichloroethene	U		0.000795	0.00328	1	08/25/2020 22:42	WG1532013
cis-1,2-Dichloroethene	U		0.000963	0.00328	1	08/25/2020 22:42	WG1532013
trans-1,2-Dichloroethene	U		0.00137	0.00656	1	08/25/2020 22:42	WG1532013
1,2-Dichloropropane	U		0.00186	0.00656	1	08/25/2020 22:42	WG1532013
1,1-Dichloropropene	U		0.00106	0.00328	1	08/25/2020 22:42	WG1532013
1,3-Dichloropropane	U		0.000658	0.00656	1	08/25/2020 22:42	WG1532013
cis-1,3-Dichloropropene	U		0.000994	0.00328	1	08/25/2020 22:42	WG1532013
trans-1,3-Dichloropropene	U		0.00150	0.00656	1	08/25/2020 22:42	WG1532013
trans-1,4-Dichloro-2-butene	U		0.00244	0.00656	1	08/25/2020 22:42	WG1532013
2,2-Dichloropropane	U		0.00181	0.00328	1	08/25/2020 22:42	WG1532013
Di-isopropyl ether	U		0.000538	0.00131	1	08/25/2020 22:42	WG1532013
Ethylbenzene	U		0.000967	0.00328	1	08/25/2020 22:42	WG1532013
Hexachloro-1,3-butadiene	U		0.00788	0.0328	1	08/25/2020 22:42	WG1532013
2-Hexanone	U		0.00441	0.0328	1	08/25/2020 22:42	WG1532013
n-Hexane	U		0.00297	0.00656	1	08/25/2020 22:42	WG1532013
Iodomethane	U		0.00305	0.0164	1	08/25/2020 22:42	WG1532013
Isopropylbenzene	U		0.000558	0.00328	1	08/25/2020 22:42	WG1532013
p-Isopropyltoluene	U		0.00335	0.00656	1	08/25/2020 22:42	WG1532013
2-Butanone (MEK)	U		0.0834	0.131	1	08/25/2020 22:42	WG1532013
Methylene Chloride	U		0.00872	0.0328	1	08/25/2020 22:42	WG1532013
4-Methyl-2-pentanone (MIBK)	U		0.00299	0.0328	1	08/25/2020 22:42	WG1532013

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		0.000459	0.00131	1	08/25/2020 22:42	WG1532013
Naphthalene	U	J0	0.00641	0.0164	1	08/25/2020 22:42	WG1532013
n-Propylbenzene	U		0.00125	0.00656	1	08/25/2020 22:42	WG1532013
Styrene	U		0.000301	0.0164	1	08/25/2020 22:42	WG1532013
1,1,1,2-Tetrachloroethane	U		0.00124	0.00328	1	08/25/2020 22:42	WG1532013
1,1,2,2-Tetrachloroethane	U		0.000912	0.00328	1	08/25/2020 22:42	WG1532013
1,1,2-Trichlorotrifluoroethane	U		0.000990	0.00328	1	08/25/2020 22:42	WG1532013
Tetrachloroethene	0.00158	J	0.00118	0.00328	1	08/25/2020 22:42	WG1532013
Toluene	U		0.00171	0.00656	1	08/25/2020 22:42	WG1532013
1,2,3-Trichlorobenzene	U	J0	0.00962	0.0164	1	08/25/2020 22:42	WG1532013
1,2,4-Trichlorobenzene	U	J0	0.00578	0.0164	1	08/25/2020 22:42	WG1532013
1,1,1-Trichloroethane	U		0.00121	0.00328	1	08/25/2020 22:42	WG1532013
1,1,2-Trichloroethane	U		0.000784	0.00328	1	08/25/2020 22:42	WG1532013
Trichloroethene	U		0.000767	0.00131	1	08/25/2020 22:42	WG1532013
Trichlorofluoromethane	U		0.00109	0.00328	1	08/25/2020 22:42	WG1532013
1,2,3-Trichloropropane	U		0.00213	0.0164	1	08/25/2020 22:42	WG1532013
1,2,4-Trimethylbenzene	U		0.00207	0.00656	1	08/25/2020 22:42	WG1532013
1,2,3-Trimethylbenzene	U		0.00207	0.00656	1	08/25/2020 22:42	WG1532013
1,3,5-Trimethylbenzene	U		0.00263	0.00656	1	08/25/2020 22:42	WG1532013
Vinyl acetate	U		0.00333	0.0164	1	08/25/2020 22:42	WG1532013
Vinyl chloride	U		0.00152	0.00328	1	08/25/2020 22:42	WG1532013
Xylenes, Total	0.00130	J	0.00116	0.00853	1	08/25/2020 22:42	WG1532013
(S) Toluene-d8	*91.4*			*75.0-131*		*08/25/2020 22:42*	WG1532013
(S) 4-Bromofluorobenzene	*97.1*			*67.0-138*		*08/25/2020 22:42*	WG1532013
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*08/25/2020 22:42*	WG1532013

Method Blank (MB)

(MB) R3563813-1 08/25/20 12:52

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1253525-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1253525-11 08/25/20 12:52 • (DUP) R3563813-3 08/25/20 12:52

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.8	91.8	1	0.0823		10

Laboratory Control Sample (LCS)

(LCS) R3563813-2 08/25/20 12:52

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) R3563669-3 08/25/20 14:24

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) R3563669-3 08/25/20 14:24

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	*93.3*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*

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

(LCS) R3563669-1 08/25/20 11:18 • (LCSD) R3563669-2 08/25/20 11:37

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	0.856	0.706	137	113	10.0-160			19.2	31
Acrylonitrile	0.625	0.769	0.757	123	121	45.0-153			1.57	22
Benzene	0.125	0.127	0.125	102	100	70.0-123			1.59	20
Bromobenzene	0.125	0.120	0.120	96.0	96.0	73.0-121			0.000	20
Bromodichloromethane	0.125	0.122	0.123	97.6	98.4	73.0-121			0.816	20
Bromochloromethane	0.125	0.113	0.117	90.4	93.6	77.0-128			3.48	20
Bromoform	0.125	0.106	0.108	84.8	86.4	64.0-132			1.87	20
Bromomethane	0.125	0.119	0.121	95.2	96.8	56.0-147			1.67	20
n-Butylbenzene	0.125	0.117	0.113	93.6	90.4	68.0-135			3.48	20
sec-Butylbenzene	0.125	0.121	0.120	96.8	96.0	74.0-130			0.830	20
tert-Butylbenzene	0.125	0.121	0.121	96.8	96.8	75.0-127			0.000	20
Carbon disulfide	0.125	0.120	0.122	96.0	97.6	56.0-133			1.65	20
Carbon tetrachloride	0.125	0.122	0.121	97.6	96.8	66.0-128			0.823	20
Chlorobenzene	0.125	0.118	0.117	94.4	93.6	76.0-128			0.851	20
Chlorodibromomethane	0.125	0.108	0.105	86.4	84.0	74.0-127			2.82	20
Chloroethane	0.125	0.110	0.118	88.0	94.4	61.0-134			7.02	20
Chloroform	0.125	0.124	0.130	99.2	104	72.0-123			4.72	20
Chloromethane	0.125	0.111	0.112	88.8	89.6	51.0-138			0.897	20
2-Chlorotoluene	0.125	0.115	0.114	92.0	91.2	75.0-124			0.873	20
4-Chlorotoluene	0.125	0.128	0.125	102	100	75.0-124			2.37	20
1,2-Dibromo-3-Chloropropane	0.125	0.106	0.0992	84.8	79.4	59.0-130			6.63	20
1,2-Dibromoethane	0.125	0.120	0.121	96.0	96.8	74.0-128			0.830	20
Dibromomethane	0.125	0.123	0.119	98.4	95.2	75.0-122			3.31	20
1,2-Dichlorobenzene	0.125	0.109	0.107	87.2	85.6	76.0-124			1.85	20
1,3-Dichlorobenzene	0.125	0.115	0.113	92.0	90.4	76.0-125			1.75	20
1,4-Dichlorobenzene	0.125	0.104	0.111	83.2	88.8	77.0-121			6.51	20
trans-1,4-Dichloro-2-butene	0.125	0.147	0.148	118	118	45.0-143			0.678	20
Dichlorodifluoromethane	0.125	0.111	0.118	88.8	94.4	43.0-156			6.11	20
1,1-Dichloroethane	0.125	0.125	0.129	100	103	70.0-127			3.15	20
1,2-Dichloroethane	0.125	0.142	0.142	114	114	65.0-131			0.000	20
1,1-Dichloroethene	0.125	0.121	0.127	96.8	102	65.0-131			4.84	20
cis-1,2-Dichloroethene	0.125	0.122	0.128	97.6	102	73.0-125			4.80	20
trans-1,2-Dichloroethene	0.125	0.111	0.115	88.8	92.0	71.0-125			3.54	20
1,2-Dichloropropane	0.125	0.128	0.124	102	99.2	74.0-125			3.17	20
1,1-Dichloropropene	0.125	0.123	0.124	98.4	99.2	73.0-125			0.810	20
1,3-Dichloropropane	0.125	0.125	0.118	100	94.4	80.0-125			5.76	20
cis-1,3-Dichloropropene	0.125	0.135	0.136	108	109	76.0-127			0.738	20
trans-1,3-Dichloropropene	0.125	0.121	0.118	96.8	94.4	73.0-127			2.51	20
2,2-Dichloropropane	0.125	0.127	0.124	102	99.2	59.0-135			2.39	20
Di-isopropyl ether	0.125	0.129	0.130	103	104	60.0-136			0.772	20

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

(LCS) R3563669-1 08/25/20 11:18 • (LCSD) R3563669-2 08/25/20 11:37

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	0.115	0.114	92.0	91.2	74.0-126			0.873	20
Hexachloro-1,3-butadiene	0.125	0.104	0.0990	83.2	79.2	57.0-150			4.93	20
2-Hexanone	0.625	0.694	0.675	111	108	54.0-147			2.78	20
n-Hexane	0.125	0.130	0.132	104	106	55.0-137			1.53	20
Iodomethane	0.625	0.548	0.597	87.7	95.5	74.0-134			8.56	20
Isopropylbenzene	0.125	0.108	0.109	86.4	87.2	72.0-127			0.922	20
p-Isopropyltoluene	0.125	0.118	0.117	94.4	93.6	72.0-133			0.851	20
2-Butanone (MEK)	0.625	0.680	0.706	109	113	30.0-160			3.75	24
Methylene Chloride	0.125	0.125	0.131	100	105	68.0-123			4.69	20
4-Methyl-2-pentanone (MIBK)	0.625	0.667	0.649	107	104	56.0-143			2.74	20
Methyl tert-butyl ether	0.125	0.130	0.132	104	106	66.0-132			1.53	20
Naphthalene	0.125	0.0836	0.0869	66.9	69.5	59.0-130			3.87	20
n-Propylbenzene	0.125	0.131	0.128	105	102	74.0-126			2.32	20
Styrene	0.125	0.107	0.109	85.6	87.2	72.0-127			1.85	20
1,1,1,2-Tetrachloroethane	0.125	0.102	0.106	81.6	84.8	74.0-129			3.85	20
1,1,2,2-Tetrachloroethane	0.125	0.130	0.129	104	103	68.0-128			0.772	20
Tetrachloroethene	0.125	0.113	0.112	90.4	89.6	70.0-136			0.889	20
Toluene	0.125	0.114	0.111	91.2	88.8	75.0-121			2.67	20
1,1,2-Trichlorotrifluoroethane	0.125	0.113	0.125	90.4	100	61.0-139			10.1	20
1,2,3-Trichlorobenzene	0.125	0.0756	0.0765	60.5	61.2	59.0-139			1.18	20
1,2,4-Trichlorobenzene	0.125	0.0948	0.0921	75.8	73.7	62.0-137			2.89	20
1,1,1-Trichloroethane	0.125	0.122	0.125	97.6	100	69.0-126			2.43	20
1,1,2-Trichloroethane	0.125	0.116	0.114	92.8	91.2	78.0-123			1.74	20
Trichloroethene	0.125	0.121	0.122	96.8	97.6	76.0-126			0.823	20
Trichlorofluoromethane	0.125	0.126	0.130	101	104	61.0-142			3.12	20
1,2,3-Trichloropropane	0.125	0.127	0.131	102	105	67.0-129			3.10	20
1,2,3-Trimethylbenzene	0.125	0.113	0.114	90.4	91.2	74.0-124			0.881	20
1,2,4-Trimethylbenzene	0.125	0.116	0.115	92.8	92.0	70.0-126			0.866	20
1,3,5-Trimethylbenzene	0.125	0.123	0.119	98.4	95.2	73.0-127			3.31	20
Vinyl acetate	0.625	0.637	0.607	102	97.1	43.0-159			4.82	20
Vinyl chloride	0.125	0.105	0.112	84.0	89.6	63.0-134			6.45	20
Xylenes, Total	0.375	0.332	0.331	88.5	88.3	72.0-127			0.302	20
(S) Toluene-d8				*90.9*	*89.9*	*75.0-131*				
(S) 4-Bromofluorobenzene				*97.0*	*99.5*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*101*	*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

(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.

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

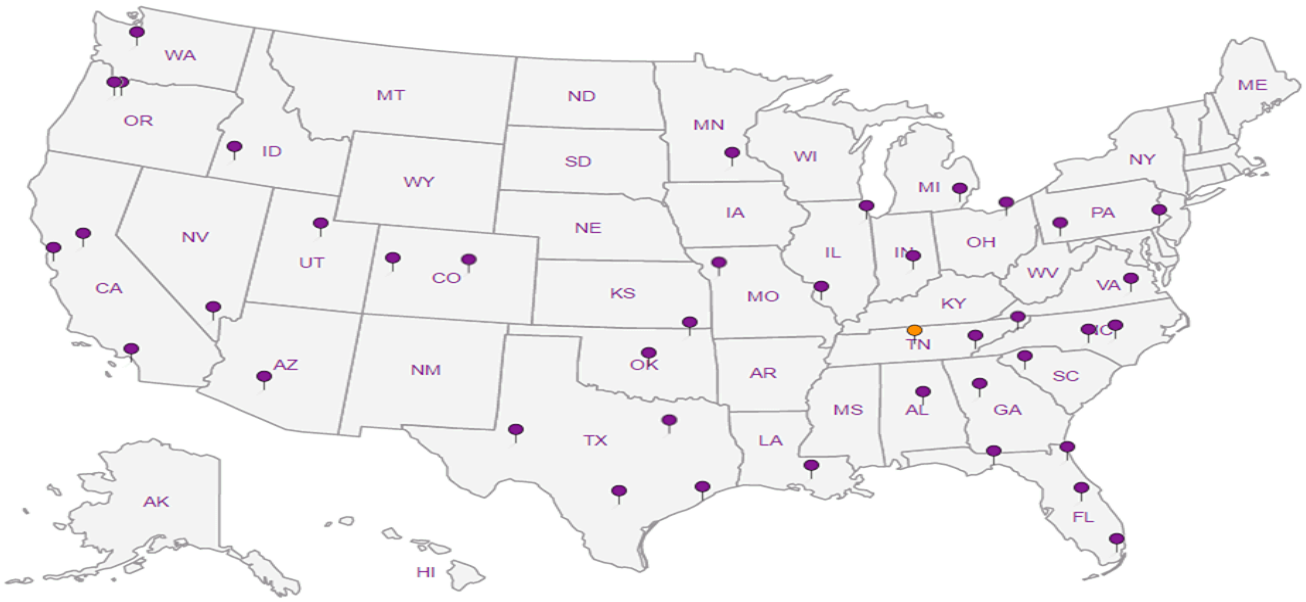
Third Party Federal Accreditations

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 # 1413.001.05.202

Lab Project # PESENVSWA-ALP

Collected by (print): Hannah Cohen

Site/Facility ID #

P.O. #

Collected by (signature): Hannah 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 8/26/20 morning

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TS 4ozClr-NoPres	V8260C 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
B-292-3	Grab	SS	3	8/22/20	1100	2		X		-01
B-292-6	"	SS	6	"	1108	2		X		-02
B-292-9	"	SS	9	"	1115	2		X		-03
B-292-12	"	SS	12	"	1120	2		X		-04
		SS								
		SS								
		SS								
		SS								
		SS								
		SS								

(HC)

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 # U25 3974

C004

Acctnum: PESENVSWA

Template: T172914

Prelogin: P792079

PM: 546 - Jared Starkey

PB:

Shipped Via:

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 1203 5774 6600

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	
Hannah Cohen	8/24/20	800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.3-4=3.9 °C Bottles Received: 8	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/25/20 Time: 9:30	Hold: / Condition: NCF / (OK)

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

September 02, 2020

Revised Report

PES Environmental, Inc.- WA

Sample Delivery Group:	L1255238
Samples Received:	08/27/2020
Project Number:	1413.001.05.202
Description:	American Linen
Report To:	Brian O'Neal/Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By:

Jared Starkey
Project Manager

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

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B-294-1 L1255238-01 Solid

Collected by: Hannah Cohen | Collected date/time: 08/26/20 09:15 | Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534424	1	08/31/20 14:02	08/31/20 14:11	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534490	1	08/28/20 16:12	08/28/20 22:05	ACG	Mt. Juliet, TN

B-294-2 L1255238-02 Solid

Collected by: Hannah Cohen | Collected date/time: 08/26/20 09:20 | Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534425	1	08/31/20 13:39	08/31/20 13:48	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534490	1.65	08/28/20 16:12	08/28/20 22:24	ACG	Mt. Juliet, TN

B-294-6 L1255238-03 Solid

Collected by: Hannah Cohen | Collected date/time: 08/26/20 09:25 | Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534425	1	08/31/20 13:39	08/31/20 13:48	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534490	1.38	08/28/20 16:12	08/28/20 22:43	ACG	Mt. Juliet, TN

B-294-10 L1255238-04 Solid

Collected by: Hannah Cohen | Collected date/time: 08/26/20 09:30 | Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534425	1	08/31/20 13:39	08/31/20 13:48	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534490	1	08/28/20 16:12	08/28/20 23:02	ACG	Mt. Juliet, TN

B-295-1 L1255238-05 Solid

Collected by: Hannah Cohen | Collected date/time: 08/26/20 10:35 | Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534425	1	08/31/20 13:39	08/31/20 13:48	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534490	1	08/28/20 16:12	08/28/20 23:21	ACG	Mt. Juliet, TN

B-295-3 L1255238-06 Solid

Collected by: Hannah Cohen | Collected date/time: 08/26/20 10:40 | Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534425	1	08/31/20 13:39	08/31/20 13:48	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534490	1	08/28/20 16:12	08/28/20 23:40	ACG	Mt. Juliet, TN

B-295-7 L1255238-07 Solid

Collected by: Hannah Cohen | Collected date/time: 08/26/20 10:45 | Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534425	1	08/31/20 13:39	08/31/20 13:48	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534490	1	08/28/20 16:12	08/28/20 23:59	ACG	Mt. Juliet, TN

B-295-10 L1255238-08 Solid

Collected by: Hannah Cohen | Collected date/time: 08/26/20 10:50 | Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534425	1	08/31/20 13:39	08/31/20 13:48	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534490	1	08/28/20 16:12	08/29/20 00:18	ACG	Mt. Juliet, TN

B-296-1 L1255238-09 Solid

Collected by: Hannah Cohen | Collected date/time: 08/26/20 11:20 | Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534425	1	08/31/20 13:39	08/31/20 13:48	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534490	1	08/28/20 16:12	08/29/20 00:37	ACG	Mt. Juliet, TN

B-293-1 L1255238-10 Solid

Collected by: Hannah Cohen | Collected date/time: 08/26/20 11:45 | Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534425	1	08/31/20 13:39	08/31/20 13:48	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534490	1	08/28/20 16:12	08/29/20 00:56	ACG	Mt. Juliet, TN

B-297-1 L1255238-11 Solid

Collected by: Hannah Cohen | Collected date/time: 08/26/20 13:00 | Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534425	1	08/31/20 13:39	08/31/20 13:48	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534490	1	08/28/20 16:12	08/29/20 01:15	ACG	Mt. Juliet, TN

B-297-3 L1255238-12 Solid

Collected by: Hannah Cohen | Collected date/time: 08/26/20 13:05 | Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534426	1	08/31/20 13:50	08/31/20 14:00	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534490	1	08/28/20 16:12	08/29/20 01:34	ACG	Mt. Juliet, TN

B-297-5 L1255238-13 Solid

Collected by: Hannah Cohen | Collected date/time: 08/26/20 13:10 | Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534426	1	08/31/20 13:50	08/31/20 14:00	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534818	1	08/28/20 16:12	08/29/20 22:56	JHH	Mt. Juliet, TN

B-298-5 L1255238-14 Solid

Collected by: Hannah Cohen | Collected date/time: 08/26/20 13:45 | Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534426	1	08/31/20 13:50	08/31/20 14:00	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534818	1.01	08/28/20 16:12	08/29/20 23:15	JHH	Mt. Juliet, TN

B-298-6 L1255238-15 Solid

Collected by: Hannah Cohen
Collected date/time: 08/26/20 13:50
Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534426	1	08/31/20 13:50	08/31/20 14:00	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534818	1.18	08/28/20 16:12	08/29/20 23:34	JHH	Mt. Juliet, TN

B-500-1 L1255238-16 Solid

Collected by: Hannah Cohen
Collected date/time: 08/26/20 14:15
Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1534426	1	08/31/20 13:50	08/31/20 14:00	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534818	1	08/28/20 16:12	08/29/20 23:53	JHH	Mt. Juliet, TN

TB-082620 L1255238-17 Solid

Collected by: Hannah Cohen
Collected date/time: 08/26/20 15:00
Received date/time: 08/27/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1534818	1	08/28/20 16:12	08/30/20 00:12	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.

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 09/02/20 10:10
Level II Report - Version 2: 09/02/20 11:19

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.0		1	08/31/2020 14:11	WG1534424

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		0.0512	0.0702	1	08/28/2020 22:05	WG1534490
Acrylonitrile	U		0.00507	0.0175	1	08/28/2020 22:05	WG1534490
Benzene	0.125		0.000655	0.00140	1	08/28/2020 22:05	WG1534490
Bromobenzene	U		0.00126	0.0175	1	08/28/2020 22:05	WG1534490
Bromodichloromethane	U		0.00102	0.00351	1	08/28/2020 22:05	WG1534490
Bromochloromethane	U		0.000792	0.00702	1	08/28/2020 22:05	WG1534490
Bromoform	U		0.00164	0.0351	1	08/28/2020 22:05	WG1534490
Bromomethane	U	J3	0.00277	0.0175	1	08/28/2020 22:05	WG1534490
n-Butylbenzene	U	J3	0.00737	0.0175	1	08/28/2020 22:05	WG1534490
sec-Butylbenzene	U	J3	0.00404	0.0175	1	08/28/2020 22:05	WG1534490
tert-Butylbenzene	U	J3	0.00274	0.00702	1	08/28/2020 22:05	WG1534490
Carbon disulfide	U	J3	0.000983	0.0175	1	08/28/2020 22:05	WG1534490
Carbon tetrachloride	U	J3	0.00126	0.00702	1	08/28/2020 22:05	WG1534490
Chlorobenzene	U		0.000295	0.00351	1	08/28/2020 22:05	WG1534490
Chlorodibromomethane	U		0.000859	0.00351	1	08/28/2020 22:05	WG1534490
Chloroethane	U	J3	0.00239	0.00702	1	08/28/2020 22:05	WG1534490
Chloroform	U	J3	0.00145	0.00351	1	08/28/2020 22:05	WG1534490
Chloromethane	U	J3	0.00611	0.0175	1	08/28/2020 22:05	WG1534490
2-Chlorotoluene	U		0.00121	0.00351	1	08/28/2020 22:05	WG1534490
4-Chlorotoluene	U		0.000632	0.00702	1	08/28/2020 22:05	WG1534490
1,2-Dibromo-3-Chloropropane	U		0.00547	0.0351	1	08/28/2020 22:05	WG1534490
1,2-Dibromoethane	U		0.000910	0.00351	1	08/28/2020 22:05	WG1534490
Dibromomethane	U		0.00105	0.00702	1	08/28/2020 22:05	WG1534490
1,2-Dichlorobenzene	U		0.000597	0.00702	1	08/28/2020 22:05	WG1534490
1,3-Dichlorobenzene	U		0.000842	0.00702	1	08/28/2020 22:05	WG1534490
1,4-Dichlorobenzene	U		0.000983	0.00702	1	08/28/2020 22:05	WG1534490
Dichlorodifluoromethane	U		0.00226	0.00351	1	08/28/2020 22:05	WG1534490
1,1-Dichloroethane	U	J3	0.000689	0.00351	1	08/28/2020 22:05	WG1534490
1,2-Dichloroethane	U		0.000911	0.00351	1	08/28/2020 22:05	WG1534490
1,1-Dichloroethene	U	J3	0.000851	0.00351	1	08/28/2020 22:05	WG1534490
cis-1,2-Dichloroethene	U		0.00103	0.00351	1	08/28/2020 22:05	WG1534490
trans-1,2-Dichloroethene	U	J3	0.00146	0.00702	1	08/28/2020 22:05	WG1534490
1,2-Dichloropropane	U		0.00199	0.00702	1	08/28/2020 22:05	WG1534490
1,1-Dichloropropene	U		0.00114	0.00351	1	08/28/2020 22:05	WG1534490
1,3-Dichloropropane	U		0.000703	0.00702	1	08/28/2020 22:05	WG1534490
cis-1,3-Dichloropropene	U		0.00106	0.00351	1	08/28/2020 22:05	WG1534490
trans-1,3-Dichloropropene	U		0.00160	0.00702	1	08/28/2020 22:05	WG1534490
trans-1,4-Dichloro-2-butene	U		0.00261	0.00702	1	08/28/2020 22:05	WG1534490
2,2-Dichloropropane	U		0.00194	0.00351	1	08/28/2020 22:05	WG1534490
Di-isopropyl ether	U		0.000575	0.00140	1	08/28/2020 22:05	WG1534490
Ethylbenzene	0.00438		0.00103	0.00351	1	08/28/2020 22:05	WG1534490
Hexachloro-1,3-butadiene	U	J3	0.00842	0.0351	1	08/28/2020 22:05	WG1534490
2-Hexanone	U		0.00472	0.0351	1	08/28/2020 22:05	WG1534490
n-Hexane	0.0216		0.00317	0.00702	1	08/28/2020 22:05	WG1534490
Iodomethane	U	J3	0.00326	0.0175	1	08/28/2020 22:05	WG1534490
Isopropylbenzene	0.00199	J J3	0.000597	0.00351	1	08/28/2020 22:05	WG1534490
p-Isopropyltoluene	0.0110	J3	0.00358	0.00702	1	08/28/2020 22:05	WG1534490
2-Butanone (MEK)	U		0.0891	0.140	1	08/28/2020 22:05	WG1534490
Methylene Chloride	U	J3	0.00932	0.0351	1	08/28/2020 22:05	WG1534490
4-Methyl-2-pentanone (MIBK)	U		0.00320	0.0351	1	08/28/2020 22:05	WG1534490

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		0.000491	0.00140	1	08/28/2020 22:05	WG1534490
Naphthalene	0.0431	J0	0.00685	0.0175	1	08/28/2020 22:05	WG1534490
n-Propylbenzene	0.00222	J J3	0.00133	0.00702	1	08/28/2020 22:05	WG1534490
Styrene	U	J3	0.000321	0.0175	1	08/28/2020 22:05	WG1534490
1,1,1,2-Tetrachloroethane	U		0.00133	0.00351	1	08/28/2020 22:05	WG1534490
1,1,2,2-Tetrachloroethane	U		0.000976	0.00351	1	08/28/2020 22:05	WG1534490
1,1,2-Trichlorotrifluoroethane	U		0.00106	0.00351	1	08/28/2020 22:05	WG1534490
Tetrachloroethene	0.0664		0.00126	0.00351	1	08/28/2020 22:05	WG1534490
Toluene	0.00762		0.00182	0.00702	1	08/28/2020 22:05	WG1534490
1,2,3-Trichlorobenzene	U	J0	0.0103	0.0175	1	08/28/2020 22:05	WG1534490
1,2,4-Trichlorobenzene	U		0.00618	0.0175	1	08/28/2020 22:05	WG1534490
1,1,1-Trichloroethane	U	J3	0.00130	0.00351	1	08/28/2020 22:05	WG1534490
1,1,2-Trichloroethane	U		0.000838	0.00351	1	08/28/2020 22:05	WG1534490
Trichloroethene	0.00143		0.000820	0.00140	1	08/28/2020 22:05	WG1534490
Trichlorofluoromethane	U	J3	0.00116	0.00351	1	08/28/2020 22:05	WG1534490
1,2,3-Trichloropropane	U		0.00227	0.0175	1	08/28/2020 22:05	WG1534490
1,2,4-Trimethylbenzene	0.0136	J3	0.00222	0.00702	1	08/28/2020 22:05	WG1534490
1,2,3-Trimethylbenzene	0.0107		0.00222	0.00702	1	08/28/2020 22:05	WG1534490
1,3,5-Trimethylbenzene	0.00538	J J3	0.00281	0.00702	1	08/28/2020 22:05	WG1534490
Vinyl acetate	U		0.00357	0.0175	1	08/28/2020 22:05	WG1534490
Vinyl chloride	U		0.00163	0.00351	1	08/28/2020 22:05	WG1534490
Xylenes, Total	0.0233	J3	0.00124	0.00912	1	08/28/2020 22:05	WG1534490
(S) Toluene-d8	*92.6*			*75.0-131*		*08/28/2020 22:05*	WG1534490
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*		*08/28/2020 22:05*	WG1534490
(S) 1,2-Dichloroethane-d4	*93.1*			*70.0-130*		*08/28/2020 22:05*	WG1534490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	67.8		1	08/31/2020 13:48	WG1534425

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		0.106	0.145	1.65	08/28/2020 22:24	WG1534490
Acrylonitrile	U		0.0105	0.0363	1.65	08/28/2020 22:24	WG1534490
Benzene	3.50		0.00136	0.00291	1.65	08/28/2020 22:24	WG1534490
Bromobenzene	U		0.00261	0.0363	1.65	08/28/2020 22:24	WG1534490
Bromodichloromethane	U		0.00211	0.00727	1.65	08/28/2020 22:24	WG1534490
Bromochloromethane	U		0.00164	0.0145	1.65	08/28/2020 22:24	WG1534490
Bromoform	U		0.00340	0.0727	1.65	08/28/2020 22:24	WG1534490
Bromomethane	U	J3	0.00572	0.0363	1.65	08/28/2020 22:24	WG1534490
n-Butylbenzene	U	J3	0.0153	0.0363	1.65	08/28/2020 22:24	WG1534490
sec-Butylbenzene	0.00944	J J3	0.00837	0.0363	1.65	08/28/2020 22:24	WG1534490
tert-Butylbenzene	U	J3	0.00567	0.0145	1.65	08/28/2020 22:24	WG1534490
Carbon disulfide	U	J3	0.00203	0.0363	1.65	08/28/2020 22:24	WG1534490
Carbon tetrachloride	U	J3	0.00261	0.0145	1.65	08/28/2020 22:24	WG1534490
Chlorobenzene	U		0.000611	0.00727	1.65	08/28/2020 22:24	WG1534490
Chlorodibromomethane	U		0.00178	0.00727	1.65	08/28/2020 22:24	WG1534490
Chloroethane	U	J3	0.00495	0.0145	1.65	08/28/2020 22:24	WG1534490
Chloroform	U	J3	0.00299	0.00727	1.65	08/28/2020 22:24	WG1534490
Chloromethane	U	J3	0.0126	0.0363	1.65	08/28/2020 22:24	WG1534490
2-Chlorotoluene	U		0.00252	0.00727	1.65	08/28/2020 22:24	WG1534490
4-Chlorotoluene	U		0.00131	0.0145	1.65	08/28/2020 22:24	WG1534490
1,2-Dibromo-3-Chloropropane	U		0.0113	0.0727	1.65	08/28/2020 22:24	WG1534490
1,2-Dibromoethane	U		0.00188	0.00727	1.65	08/28/2020 22:24	WG1534490
Dibromomethane	U		0.00218	0.0145	1.65	08/28/2020 22:24	WG1534490
1,2-Dichlorobenzene	U		0.00123	0.0145	1.65	08/28/2020 22:24	WG1534490
1,3-Dichlorobenzene	U		0.00174	0.0145	1.65	08/28/2020 22:24	WG1534490
1,4-Dichlorobenzene	U		0.00203	0.0145	1.65	08/28/2020 22:24	WG1534490
Dichlorodifluoromethane	U		0.00468	0.00727	1.65	08/28/2020 22:24	WG1534490
1,1-Dichloroethane	U	J3	0.00143	0.00727	1.65	08/28/2020 22:24	WG1534490
1,2-Dichloroethane	U		0.00188	0.00727	1.65	08/28/2020 22:24	WG1534490
1,1-Dichloroethene	U	J3	0.00176	0.00727	1.65	08/28/2020 22:24	WG1534490
cis-1,2-Dichloroethene	U		0.00213	0.00727	1.65	08/28/2020 22:24	WG1534490
trans-1,2-Dichloroethene	U	J3	0.00303	0.0145	1.65	08/28/2020 22:24	WG1534490
1,2-Dichloropropane	U		0.00412	0.0145	1.65	08/28/2020 22:24	WG1534490
1,1-Dichloropropene	U		0.00234	0.00727	1.65	08/28/2020 22:24	WG1534490
1,3-Dichloropropane	U		0.00146	0.0145	1.65	08/28/2020 22:24	WG1534490
cis-1,3-Dichloropropene	U		0.00220	0.00727	1.65	08/28/2020 22:24	WG1534490
trans-1,3-Dichloropropene	U		0.00331	0.0145	1.65	08/28/2020 22:24	WG1534490
trans-1,4-Dichloro-2-butene	U		0.00541	0.0145	1.65	08/28/2020 22:24	WG1534490
2,2-Dichloropropane	U		0.00402	0.00727	1.65	08/28/2020 22:24	WG1534490
Di-isopropyl ether	U		0.00119	0.00291	1.65	08/28/2020 22:24	WG1534490
Ethylbenzene	0.0277		0.00215	0.00727	1.65	08/28/2020 22:24	WG1534490
Hexachloro-1,3-butadiene	U	J3	0.0174	0.0727	1.65	08/28/2020 22:24	WG1534490
2-Hexanone	U		0.00976	0.0727	1.65	08/28/2020 22:24	WG1534490
n-Hexane	0.159		0.00657	0.0145	1.65	08/28/2020 22:24	WG1534490
Iodomethane	U	J3	0.00675	0.0363	1.65	08/28/2020 22:24	WG1534490
Isopropylbenzene	0.0105	J3	0.00123	0.00727	1.65	08/28/2020 22:24	WG1534490
p-Isopropyltoluene	0.0298	J3	0.00741	0.0145	1.65	08/28/2020 22:24	WG1534490
2-Butanone (MEK)	U		0.185	0.291	1.65	08/28/2020 22:24	WG1534490
Methylene Chloride	U	J3	0.0194	0.0727	1.65	08/28/2020 22:24	WG1534490
4-Methyl-2-pentanone (MIBK)	U		0.00662	0.0727	1.65	08/28/2020 22:24	WG1534490

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		0.00102	0.00291	1.65	08/28/2020 22:24	WG1534490
Naphthalene	0.110	J0	0.0142	0.0363	1.65	08/28/2020 22:24	WG1534490
n-Propylbenzene	0.0224	J3	0.00277	0.0145	1.65	08/28/2020 22:24	WG1534490
Styrene	U	J3	0.000666	0.0363	1.65	08/28/2020 22:24	WG1534490
1,1,1,2-Tetrachloroethane	U		0.00275	0.00727	1.65	08/28/2020 22:24	WG1534490
1,1,2,2-Tetrachloroethane	U		0.00203	0.00727	1.65	08/28/2020 22:24	WG1534490
1,1,2-Trichlorotrifluoroethane	U		0.00218	0.00727	1.65	08/28/2020 22:24	WG1534490
Tetrachloroethene	0.518		0.00261	0.00727	1.65	08/28/2020 22:24	WG1534490
Toluene	0.0692		0.00379	0.0145	1.65	08/28/2020 22:24	WG1534490
1,2,3-Trichlorobenzene	U	J0	0.0213	0.0363	1.65	08/28/2020 22:24	WG1534490
1,2,4-Trichlorobenzene	U		0.0128	0.0363	1.65	08/28/2020 22:24	WG1534490
1,1,1-Trichloroethane	U	J3	0.00268	0.00727	1.65	08/28/2020 22:24	WG1534490
1,1,2-Trichloroethane	U		0.00173	0.00727	1.65	08/28/2020 22:24	WG1534490
Trichloroethene	U		0.00170	0.00291	1.65	08/28/2020 22:24	WG1534490
Trichlorofluoromethane	U	J3	0.00240	0.00727	1.65	08/28/2020 22:24	WG1534490
1,2,3-Trichloropropane	U		0.00470	0.0363	1.65	08/28/2020 22:24	WG1534490
1,2,4-Trimethylbenzene	0.0590	J3	0.00460	0.0145	1.65	08/28/2020 22:24	WG1534490
1,2,3-Trimethylbenzene	0.0592		0.00460	0.0145	1.65	08/28/2020 22:24	WG1534490
1,3,5-Trimethylbenzene	0.0278	J3	0.00581	0.0145	1.65	08/28/2020 22:24	WG1534490
Vinyl acetate	U		0.00738	0.0363	1.65	08/28/2020 22:24	WG1534490
Vinyl chloride	U		0.00336	0.00727	1.65	08/28/2020 22:24	WG1534490
Xylenes, Total	0.139	J3	0.00255	0.0188	1.65	08/28/2020 22:24	WG1534490
(S) Toluene-d8	*92.2*			*75.0-131*		*08/28/2020 22:24*	WG1534490
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*08/28/2020 22:24*	WG1534490
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*08/28/2020 22:24*	WG1534490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	61.8		1	08/31/2020 13:48	WG1534425

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		0.104	0.143	1.38	08/28/2020 22:43	WG1534490
Acrylonitrile	U		0.0103	0.0358	1.38	08/28/2020 22:43	WG1534490
Benzene	0.0800		0.00133	0.00285	1.38	08/28/2020 22:43	WG1534490
Bromobenzene	U		0.00256	0.0358	1.38	08/28/2020 22:43	WG1534490
Bromodichloromethane	U		0.00207	0.00713	1.38	08/28/2020 22:43	WG1534490
Bromochloromethane	U		0.00161	0.0143	1.38	08/28/2020 22:43	WG1534490
Bromoform	U		0.00333	0.0713	1.38	08/28/2020 22:43	WG1534490
Bromomethane	U	J3	0.00562	0.0358	1.38	08/28/2020 22:43	WG1534490
n-Butylbenzene	U	J3	0.0150	0.0358	1.38	08/28/2020 22:43	WG1534490
sec-Butylbenzene	U	J3	0.00821	0.0358	1.38	08/28/2020 22:43	WG1534490
tert-Butylbenzene	U	J3	0.00556	0.0143	1.38	08/28/2020 22:43	WG1534490
Carbon disulfide	U	J3	0.00200	0.0358	1.38	08/28/2020 22:43	WG1534490
Carbon tetrachloride	U	J3	0.00256	0.0143	1.38	08/28/2020 22:43	WG1534490
Chlorobenzene	U		0.000600	0.00713	1.38	08/28/2020 22:43	WG1534490
Chlorodibromomethane	U		0.00175	0.00713	1.38	08/28/2020 22:43	WG1534490
Chloroethane	U	J3	0.00486	0.0143	1.38	08/28/2020 22:43	WG1534490
Chloroform	U	J3	0.00294	0.00713	1.38	08/28/2020 22:43	WG1534490
Chloromethane	U	J3	0.0124	0.0358	1.38	08/28/2020 22:43	WG1534490
2-Chlorotoluene	U		0.00246	0.00713	1.38	08/28/2020 22:43	WG1534490
4-Chlorotoluene	U		0.00128	0.0143	1.38	08/28/2020 22:43	WG1534490
1,2-Dibromo-3-Chloropropane	U		0.0111	0.0713	1.38	08/28/2020 22:43	WG1534490
1,2-Dibromoethane	U		0.00185	0.00713	1.38	08/28/2020 22:43	WG1534490
Dibromomethane	U		0.00215	0.0143	1.38	08/28/2020 22:43	WG1534490
1,2-Dichlorobenzene	U		0.00121	0.0143	1.38	08/28/2020 22:43	WG1534490
1,3-Dichlorobenzene	U		0.00171	0.0143	1.38	08/28/2020 22:43	WG1534490
1,4-Dichlorobenzene	U		0.00200	0.0143	1.38	08/28/2020 22:43	WG1534490
Dichlorodifluoromethane	U		0.00459	0.00713	1.38	08/28/2020 22:43	WG1534490
1,1-Dichloroethane	U	J3	0.00140	0.00713	1.38	08/28/2020 22:43	WG1534490
1,2-Dichloroethane	U		0.00185	0.00713	1.38	08/28/2020 22:43	WG1534490
1,1-Dichloroethene	U	J3	0.00173	0.00713	1.38	08/28/2020 22:43	WG1534490
cis-1,2-Dichloroethene	U		0.00209	0.00713	1.38	08/28/2020 22:43	WG1534490
trans-1,2-Dichloroethene	U	J3	0.00298	0.0143	1.38	08/28/2020 22:43	WG1534490
1,2-Dichloropropane	U		0.00405	0.0143	1.38	08/28/2020 22:43	WG1534490
1,1-Dichloropropene	U		0.00232	0.00713	1.38	08/28/2020 22:43	WG1534490
1,3-Dichloropropane	U		0.00143	0.0143	1.38	08/28/2020 22:43	WG1534490
cis-1,3-Dichloropropene	U		0.00215	0.00713	1.38	08/28/2020 22:43	WG1534490
trans-1,3-Dichloropropene	U		0.00325	0.0143	1.38	08/28/2020 22:43	WG1534490
trans-1,4-Dichloro-2-butene	U		0.00531	0.0143	1.38	08/28/2020 22:43	WG1534490
2,2-Dichloropropane	U		0.00393	0.00713	1.38	08/28/2020 22:43	WG1534490
Di-isopropyl ether	U		0.00117	0.00285	1.38	08/28/2020 22:43	WG1534490
Ethylbenzene	0.00250	J	0.00211	0.00713	1.38	08/28/2020 22:43	WG1534490
Hexachloro-1,3-butadiene	U	J3	0.0171	0.0713	1.38	08/28/2020 22:43	WG1534490
2-Hexanone	U		0.00959	0.0713	1.38	08/28/2020 22:43	WG1534490
n-Hexane	0.00827	J	0.00645	0.0143	1.38	08/28/2020 22:43	WG1534490
Iodomethane	U	J3	0.00662	0.0358	1.38	08/28/2020 22:43	WG1534490
Isopropylbenzene	U	J3	0.00121	0.00713	1.38	08/28/2020 22:43	WG1534490
p-Isopropyltoluene	U	J3	0.00728	0.0143	1.38	08/28/2020 22:43	WG1534490
2-Butanone (MEK)	U		0.181	0.285	1.38	08/28/2020 22:43	WG1534490
Methylene Chloride	U	J3	0.0189	0.0713	1.38	08/28/2020 22:43	WG1534490
4-Methyl-2-pentanone (MIBK)	U		0.00651	0.0713	1.38	08/28/2020 22:43	WG1534490

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		0.000999	0.00285	1.38	08/28/2020 22:43	WG1534490
Naphthalene	0.0792	J0	0.0139	0.0358	1.38	08/28/2020 22:43	WG1534490
n-Propylbenzene	U	J3	0.00271	0.0143	1.38	08/28/2020 22:43	WG1534490
Styrene	U	J3	0.000653	0.0358	1.38	08/28/2020 22:43	WG1534490
1,1,1,2-Tetrachloroethane	U		0.00271	0.00713	1.38	08/28/2020 22:43	WG1534490
1,1,2,2-Tetrachloroethane	U		0.00198	0.00713	1.38	08/28/2020 22:43	WG1534490
1,1,2-Trichlorotrifluoroethane	U		0.00215	0.00713	1.38	08/28/2020 22:43	WG1534490
Tetrachloroethene	0.0748		0.00256	0.00713	1.38	08/28/2020 22:43	WG1534490
Toluene	0.00449	J	0.00370	0.0143	1.38	08/28/2020 22:43	WG1534490
1,2,3-Trichlorobenzene	U	J0	0.0209	0.0358	1.38	08/28/2020 22:43	WG1534490
1,2,4-Trichlorobenzene	U		0.0126	0.0358	1.38	08/28/2020 22:43	WG1534490
1,1,1-Trichloroethane	U	J3	0.00263	0.00713	1.38	08/28/2020 22:43	WG1534490
1,1,2-Trichloroethane	U		0.00170	0.00713	1.38	08/28/2020 22:43	WG1534490
Trichloroethene	U		0.00167	0.00285	1.38	08/28/2020 22:43	WG1534490
Trichlorofluoromethane	U	J3	0.00236	0.00713	1.38	08/28/2020 22:43	WG1534490
1,2,3-Trichloropropane	U		0.00463	0.0358	1.38	08/28/2020 22:43	WG1534490
1,2,4-Trimethylbenzene	0.00463	J J3	0.00451	0.0143	1.38	08/28/2020 22:43	WG1534490
1,2,3-Trimethylbenzene	U		0.00451	0.0143	1.38	08/28/2020 22:43	WG1534490
1,3,5-Trimethylbenzene	U	J3	0.00571	0.0143	1.38	08/28/2020 22:43	WG1534490
Vinyl acetate	U		0.00726	0.0358	1.38	08/28/2020 22:43	WG1534490
Vinyl chloride	U		0.00331	0.00713	1.38	08/28/2020 22:43	WG1534490
Xylenes, Total	0.0106	J J3	0.00250	0.0185	1.38	08/28/2020 22:43	WG1534490
(S) Toluene-d8	*94.0*			*75.0-131*		*08/28/2020 22:43*	WG1534490
(S) 4-Bromofluorobenzene	*96.9*			*67.0-138*		*08/28/2020 22:43*	WG1534490
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*08/28/2020 22:43*	WG1534490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.6		1	08/31/2020 13:48	WG1534425

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		0.0491	0.0673	1	08/28/2020 23:02	WG1534490
Acrylonitrile	U		0.00486	0.0168	1	08/28/2020 23:02	WG1534490
Benzene	0.00115	J	0.000629	0.00135	1	08/28/2020 23:02	WG1534490
Bromobenzene	U		0.00121	0.0168	1	08/28/2020 23:02	WG1534490
Bromodichloromethane	U		0.000976	0.00336	1	08/28/2020 23:02	WG1534490
Bromochloromethane	U		0.000759	0.00673	1	08/28/2020 23:02	WG1534490
Bromoform	U		0.00157	0.0336	1	08/28/2020 23:02	WG1534490
Bromomethane	U	J3	0.00265	0.0168	1	08/28/2020 23:02	WG1534490
n-Butylbenzene	U	J3	0.00707	0.0168	1	08/28/2020 23:02	WG1534490
sec-Butylbenzene	U	J3	0.00388	0.0168	1	08/28/2020 23:02	WG1534490
tert-Butylbenzene	U	J3	0.00262	0.00673	1	08/28/2020 23:02	WG1534490
Carbon disulfide	U	J3	0.000942	0.0168	1	08/28/2020 23:02	WG1534490
Carbon tetrachloride	U	J3	0.00121	0.00673	1	08/28/2020 23:02	WG1534490
Chlorobenzene	U		0.000283	0.00336	1	08/28/2020 23:02	WG1534490
Chlorodibromomethane	U		0.000824	0.00336	1	08/28/2020 23:02	WG1534490
Chloroethane	U	J3	0.00229	0.00673	1	08/28/2020 23:02	WG1534490
Chloroform	U	J3	0.00139	0.00336	1	08/28/2020 23:02	WG1534490
Chloromethane	U	J3	0.00585	0.0168	1	08/28/2020 23:02	WG1534490
2-Chlorotoluene	U		0.00116	0.00336	1	08/28/2020 23:02	WG1534490
4-Chlorotoluene	U		0.000606	0.00673	1	08/28/2020 23:02	WG1534490
1,2-Dibromo-3-Chloropropane	U		0.00525	0.0336	1	08/28/2020 23:02	WG1534490
1,2-Dibromoethane	U		0.000872	0.00336	1	08/28/2020 23:02	WG1534490
Dibromomethane	U		0.00101	0.00673	1	08/28/2020 23:02	WG1534490
1,2-Dichlorobenzene	U		0.000572	0.00673	1	08/28/2020 23:02	WG1534490
1,3-Dichlorobenzene	U		0.000808	0.00673	1	08/28/2020 23:02	WG1534490
1,4-Dichlorobenzene	U		0.000942	0.00673	1	08/28/2020 23:02	WG1534490
Dichlorodifluoromethane	U		0.00217	0.00336	1	08/28/2020 23:02	WG1534490
1,1-Dichloroethane	U	J3	0.000661	0.00336	1	08/28/2020 23:02	WG1534490
1,2-Dichloroethane	U		0.000873	0.00336	1	08/28/2020 23:02	WG1534490
1,1-Dichloroethene	U	J3	0.000816	0.00336	1	08/28/2020 23:02	WG1534490
cis-1,2-Dichloroethene	U		0.000988	0.00336	1	08/28/2020 23:02	WG1534490
trans-1,2-Dichloroethene	U	J3	0.00140	0.00673	1	08/28/2020 23:02	WG1534490
1,2-Dichloropropane	U		0.00191	0.00673	1	08/28/2020 23:02	WG1534490
1,1-Dichloropropene	U		0.00109	0.00336	1	08/28/2020 23:02	WG1534490
1,3-Dichloropropane	U		0.000674	0.00673	1	08/28/2020 23:02	WG1534490
cis-1,3-Dichloropropene	U		0.00102	0.00336	1	08/28/2020 23:02	WG1534490
trans-1,3-Dichloropropene	U		0.00153	0.00673	1	08/28/2020 23:02	WG1534490
trans-1,4-Dichloro-2-butene	U		0.00250	0.00673	1	08/28/2020 23:02	WG1534490
2,2-Dichloropropane	U		0.00186	0.00336	1	08/28/2020 23:02	WG1534490
Di-isopropyl ether	U		0.000552	0.00135	1	08/28/2020 23:02	WG1534490
Ethylbenzene	U		0.000992	0.00336	1	08/28/2020 23:02	WG1534490
Hexachloro-1,3-butadiene	U	J3	0.00808	0.0336	1	08/28/2020 23:02	WG1534490
2-Hexanone	U		0.00452	0.0336	1	08/28/2020 23:02	WG1534490
n-Hexane	U		0.00304	0.00673	1	08/28/2020 23:02	WG1534490
Iodomethane	U	J3	0.00312	0.0168	1	08/28/2020 23:02	WG1534490
Isopropylbenzene	U	J3	0.000572	0.00336	1	08/28/2020 23:02	WG1534490
p-Isopropyltoluene	U	J3	0.00343	0.00673	1	08/28/2020 23:02	WG1534490
2-Butanone (MEK)	0.0995	J	0.0855	0.135	1	08/28/2020 23:02	WG1534490
Methylene Chloride	U	J3	0.00894	0.0336	1	08/28/2020 23:02	WG1534490
4-Methyl-2-pentanone (MIBK)	U		0.00307	0.0336	1	08/28/2020 23:02	WG1534490

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		0.000471	0.00135	1	08/28/2020 23:02	WG1534490
Naphthalene	0.0304	J0	0.00657	0.0168	1	08/28/2020 23:02	WG1534490
n-Propylbenzene	U	J3	0.00128	0.00673	1	08/28/2020 23:02	WG1534490
Styrene	U	J3	0.000308	0.0168	1	08/28/2020 23:02	WG1534490
1,1,1,2-Tetrachloroethane	U		0.00128	0.00336	1	08/28/2020 23:02	WG1534490
1,1,2,2-Tetrachloroethane	U		0.000935	0.00336	1	08/28/2020 23:02	WG1534490
1,1,2-Trichlorotrifluoroethane	U		0.00101	0.00336	1	08/28/2020 23:02	WG1534490
Tetrachloroethene	U		0.00121	0.00336	1	08/28/2020 23:02	WG1534490
Toluene	0.00672	J	0.00175	0.00673	1	08/28/2020 23:02	WG1534490
1,2,3-Trichlorobenzene	U	J0	0.00987	0.0168	1	08/28/2020 23:02	WG1534490
1,2,4-Trichlorobenzene	U		0.00592	0.0168	1	08/28/2020 23:02	WG1534490
1,1,1-Trichloroethane	U	J3	0.00124	0.00336	1	08/28/2020 23:02	WG1534490
1,1,2-Trichloroethane	U		0.000803	0.00336	1	08/28/2020 23:02	WG1534490
Trichloroethene	U		0.000786	0.00135	1	08/28/2020 23:02	WG1534490
Trichlorofluoromethane	U	J3	0.00111	0.00336	1	08/28/2020 23:02	WG1534490
1,2,3-Trichloropropane	U		0.00218	0.0168	1	08/28/2020 23:02	WG1534490
1,2,4-Trimethylbenzene	U	J3	0.00213	0.00673	1	08/28/2020 23:02	WG1534490
1,2,3-Trimethylbenzene	U		0.00213	0.00673	1	08/28/2020 23:02	WG1534490
1,3,5-Trimethylbenzene	U	J3	0.00269	0.00673	1	08/28/2020 23:02	WG1534490
Vinyl acetate	U		0.00342	0.0168	1	08/28/2020 23:02	WG1534490
Vinyl chloride	U		0.00156	0.00336	1	08/28/2020 23:02	WG1534490
Xylenes, Total	0.00191	J J3	0.00118	0.00875	1	08/28/2020 23:02	WG1534490
(S) Toluene-d8	*92.4*			*75.0-131*		*08/28/2020 23:02*	WG1534490
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*08/28/2020 23:02*	WG1534490
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*08/28/2020 23:02*	WG1534490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	08/31/2020 13:48	WG1534425

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	0.0602	1	08/28/2020 23:21	WG1534490
Acrylonitrile	U		0.00434	0.0150	1	08/28/2020 23:21	WG1534490
Benzene	U		0.000562	0.00120	1	08/28/2020 23:21	WG1534490
Bromobenzene	U		0.00108	0.0150	1	08/28/2020 23:21	WG1534490
Bromodichloromethane	U		0.000873	0.00301	1	08/28/2020 23:21	WG1534490
Bromochloromethane	U		0.000679	0.00602	1	08/28/2020 23:21	WG1534490
Bromoform	U		0.00141	0.0301	1	08/28/2020 23:21	WG1534490
Bromomethane	U	J3	0.00237	0.0150	1	08/28/2020 23:21	WG1534490
n-Butylbenzene	U	J3	0.00632	0.0150	1	08/28/2020 23:21	WG1534490
sec-Butylbenzene	U	J3	0.00347	0.0150	1	08/28/2020 23:21	WG1534490
tert-Butylbenzene	U	J3	0.00235	0.00602	1	08/28/2020 23:21	WG1534490
Carbon disulfide	U	J3	0.000843	0.0150	1	08/28/2020 23:21	WG1534490
Carbon tetrachloride	U	J3	0.00108	0.00602	1	08/28/2020 23:21	WG1534490
Chlorobenzene	U		0.000253	0.00301	1	08/28/2020 23:21	WG1534490
Chlorodibromomethane	U		0.000737	0.00301	1	08/28/2020 23:21	WG1534490
Chloroethane	U	J3	0.00205	0.00602	1	08/28/2020 23:21	WG1534490
Chloroform	U	J3	0.00124	0.00301	1	08/28/2020 23:21	WG1534490
Chloromethane	U	J3	0.00524	0.0150	1	08/28/2020 23:21	WG1534490
2-Chlorotoluene	U		0.00104	0.00301	1	08/28/2020 23:21	WG1534490
4-Chlorotoluene	U		0.000542	0.00602	1	08/28/2020 23:21	WG1534490
1,2-Dibromo-3-Chloropropane	U		0.00469	0.0301	1	08/28/2020 23:21	WG1534490
1,2-Dibromoethane	U		0.000780	0.00301	1	08/28/2020 23:21	WG1534490
Dibromomethane	U		0.000903	0.00602	1	08/28/2020 23:21	WG1534490
1,2-Dichlorobenzene	U		0.000512	0.00602	1	08/28/2020 23:21	WG1534490
1,3-Dichlorobenzene	U		0.000722	0.00602	1	08/28/2020 23:21	WG1534490
1,4-Dichlorobenzene	U		0.000843	0.00602	1	08/28/2020 23:21	WG1534490
Dichlorodifluoromethane	U		0.00194	0.00301	1	08/28/2020 23:21	WG1534490
1,1-Dichloroethane	U	J3	0.000591	0.00301	1	08/28/2020 23:21	WG1534490
1,2-Dichloroethane	U		0.000781	0.00301	1	08/28/2020 23:21	WG1534490
1,1-Dichloroethene	U	J3	0.000729	0.00301	1	08/28/2020 23:21	WG1534490
cis-1,2-Dichloroethene	U		0.000883	0.00301	1	08/28/2020 23:21	WG1534490
trans-1,2-Dichloroethene	U	J3	0.00125	0.00602	1	08/28/2020 23:21	WG1534490
1,2-Dichloropropane	U		0.00171	0.00602	1	08/28/2020 23:21	WG1534490
1,1-Dichloropropene	U		0.000974	0.00301	1	08/28/2020 23:21	WG1534490
1,3-Dichloropropane	U		0.000603	0.00602	1	08/28/2020 23:21	WG1534490
cis-1,3-Dichloropropene	U		0.000911	0.00301	1	08/28/2020 23:21	WG1534490
trans-1,3-Dichloropropene	U		0.00137	0.00602	1	08/28/2020 23:21	WG1534490
trans-1,4-Dichloro-2-butene	U		0.00224	0.00602	1	08/28/2020 23:21	WG1534490
2,2-Dichloropropane	U		0.00166	0.00301	1	08/28/2020 23:21	WG1534490
Di-isopropyl ether	U		0.000493	0.00120	1	08/28/2020 23:21	WG1534490
Ethylbenzene	U		0.000887	0.00301	1	08/28/2020 23:21	WG1534490
Hexachloro-1,3-butadiene	U	J3	0.00722	0.0301	1	08/28/2020 23:21	WG1534490
2-Hexanone	U		0.00404	0.0301	1	08/28/2020 23:21	WG1534490
n-Hexane	U		0.00272	0.00602	1	08/28/2020 23:21	WG1534490
Iodomethane	U	J3	0.00279	0.0150	1	08/28/2020 23:21	WG1534490
Isopropylbenzene	U	J3	0.000512	0.00301	1	08/28/2020 23:21	WG1534490
p-Isopropyltoluene	U	J3	0.00307	0.00602	1	08/28/2020 23:21	WG1534490
2-Butanone (MEK)	U		0.0764	0.120	1	08/28/2020 23:21	WG1534490
Methylene Chloride	U	J3	0.00799	0.0301	1	08/28/2020 23:21	WG1534490
4-Methyl-2-pentanone (MIBK)	U		0.00274	0.0301	1	08/28/2020 23:21	WG1534490

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	08/28/2020 23:21	WG1534490
Naphthalene	0.0250	J0	0.00587	0.0150	1	08/28/2020 23:21	WG1534490
n-Propylbenzene	U	J3	0.00114	0.00602	1	08/28/2020 23:21	WG1534490
Styrene	U	J3	0.000276	0.0150	1	08/28/2020 23:21	WG1534490
1,1,1,2-Tetrachloroethane	U		0.00114	0.00301	1	08/28/2020 23:21	WG1534490
1,1,2,2-Tetrachloroethane	U		0.000837	0.00301	1	08/28/2020 23:21	WG1534490
1,1,2-Trichlorotrifluoroethane	U		0.000908	0.00301	1	08/28/2020 23:21	WG1534490
Tetrachloroethene	0.00220	J	0.00108	0.00301	1	08/28/2020 23:21	WG1534490
Toluene	U		0.00156	0.00602	1	08/28/2020 23:21	WG1534490
1,2,3-Trichlorobenzene	U	J0	0.00882	0.0150	1	08/28/2020 23:21	WG1534490
1,2,4-Trichlorobenzene	U		0.00530	0.0150	1	08/28/2020 23:21	WG1534490
1,1,1-Trichloroethane	U	J3	0.00111	0.00301	1	08/28/2020 23:21	WG1534490
1,1,2-Trichloroethane	U		0.000719	0.00301	1	08/28/2020 23:21	WG1534490
Trichloroethene	U		0.000703	0.00120	1	08/28/2020 23:21	WG1534490
Trichlorofluoromethane	U	J3	0.000995	0.00301	1	08/28/2020 23:21	WG1534490
1,2,3-Trichloropropane	U		0.00195	0.0150	1	08/28/2020 23:21	WG1534490
1,2,4-Trimethylbenzene	U	J3	0.00190	0.00602	1	08/28/2020 23:21	WG1534490
1,2,3-Trimethylbenzene	U		0.00190	0.00602	1	08/28/2020 23:21	WG1534490
1,3,5-Trimethylbenzene	U	J3	0.00241	0.00602	1	08/28/2020 23:21	WG1534490
Vinyl acetate	U		0.00306	0.0150	1	08/28/2020 23:21	WG1534490
Vinyl chloride	U		0.00140	0.00301	1	08/28/2020 23:21	WG1534490
Xylenes, Total	0.00140	J J3	0.00106	0.00782	1	08/28/2020 23:21	WG1534490
(S) Toluene-d8	*91.6*			*75.0-131*		*08/28/2020 23:21*	WG1534490
(S) 4-Bromofluorobenzene	*95.1*			*67.0-138*		*08/28/2020 23:21*	WG1534490
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*08/28/2020 23:21*	WG1534490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.0		1	08/31/2020 13:48	WG1534425

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		0.0651	0.0892	1	08/28/2020 23:40	WG1534490
Acrylonitrile	U		0.00644	0.0223	1	08/28/2020 23:40	WG1534490
Benzene	0.00155	J	0.000833	0.00178	1	08/28/2020 23:40	WG1534490
Bromobenzene	U		0.00161	0.0223	1	08/28/2020 23:40	WG1534490
Bromodichloromethane	U		0.00129	0.00446	1	08/28/2020 23:40	WG1534490
Bromochloromethane	U		0.00101	0.00892	1	08/28/2020 23:40	WG1534490
Bromoform	U		0.00209	0.0446	1	08/28/2020 23:40	WG1534490
Bromomethane	U	J3	0.00351	0.0223	1	08/28/2020 23:40	WG1534490
n-Butylbenzene	U	J3	0.00937	0.0223	1	08/28/2020 23:40	WG1534490
sec-Butylbenzene	U	J3	0.00514	0.0223	1	08/28/2020 23:40	WG1534490
tert-Butylbenzene	U	J3	0.00348	0.00892	1	08/28/2020 23:40	WG1534490
Carbon disulfide	U	J3	0.00125	0.0223	1	08/28/2020 23:40	WG1534490
Carbon tetrachloride	U	J3	0.00160	0.00892	1	08/28/2020 23:40	WG1534490
Chlorobenzene	U		0.000375	0.00446	1	08/28/2020 23:40	WG1534490
Chlorodibromomethane	U		0.00109	0.00446	1	08/28/2020 23:40	WG1534490
Chloroethane	U	J3	0.00303	0.00892	1	08/28/2020 23:40	WG1534490
Chloroform	U	J3	0.00184	0.00446	1	08/28/2020 23:40	WG1534490
Chloromethane	U	J3	0.00776	0.0223	1	08/28/2020 23:40	WG1534490
2-Chlorotoluene	U		0.00154	0.00446	1	08/28/2020 23:40	WG1534490
4-Chlorotoluene	U		0.000803	0.00892	1	08/28/2020 23:40	WG1534490
1,2-Dibromo-3-Chloropropane	U		0.00696	0.0446	1	08/28/2020 23:40	WG1534490
1,2-Dibromoethane	U		0.00116	0.00446	1	08/28/2020 23:40	WG1534490
Dibromomethane	U		0.00134	0.00892	1	08/28/2020 23:40	WG1534490
1,2-Dichlorobenzene	U		0.000758	0.00892	1	08/28/2020 23:40	WG1534490
1,3-Dichlorobenzene	U		0.00107	0.00892	1	08/28/2020 23:40	WG1534490
1,4-Dichlorobenzene	U		0.00125	0.00892	1	08/28/2020 23:40	WG1534490
Dichlorodifluoromethane	U		0.00287	0.00446	1	08/28/2020 23:40	WG1534490
1,1-Dichloroethane	U	J3	0.000876	0.00446	1	08/28/2020 23:40	WG1534490
1,2-Dichloroethane	U		0.00116	0.00446	1	08/28/2020 23:40	WG1534490
1,1-Dichloroethene	U	J3	0.00108	0.00446	1	08/28/2020 23:40	WG1534490
cis-1,2-Dichloroethene	U		0.00131	0.00446	1	08/28/2020 23:40	WG1534490
trans-1,2-Dichloroethene	U	J3	0.00186	0.00892	1	08/28/2020 23:40	WG1534490
1,2-Dichloropropane	U		0.00253	0.00892	1	08/28/2020 23:40	WG1534490
1,1-Dichloropropene	U		0.00144	0.00446	1	08/28/2020 23:40	WG1534490
1,3-Dichloropropane	U		0.000894	0.00892	1	08/28/2020 23:40	WG1534490
cis-1,3-Dichloropropene	U		0.00135	0.00446	1	08/28/2020 23:40	WG1534490
trans-1,3-Dichloropropene	U		0.00203	0.00892	1	08/28/2020 23:40	WG1534490
trans-1,4-Dichloro-2-butene	U		0.00332	0.00892	1	08/28/2020 23:40	WG1534490
2,2-Dichloropropane	U		0.00246	0.00446	1	08/28/2020 23:40	WG1534490
Di-isopropyl ether	U		0.000731	0.00178	1	08/28/2020 23:40	WG1534490
Ethylbenzene	U		0.00131	0.00446	1	08/28/2020 23:40	WG1534490
Hexachloro-1,3-butadiene	U	J3	0.0107	0.0446	1	08/28/2020 23:40	WG1534490
2-Hexanone	U		0.00599	0.0446	1	08/28/2020 23:40	WG1534490
n-Hexane	0.00567	J	0.00403	0.00892	1	08/28/2020 23:40	WG1534490
Iodomethane	U	J3	0.00414	0.0223	1	08/28/2020 23:40	WG1534490
Isopropylbenzene	U	J3	0.000758	0.00446	1	08/28/2020 23:40	WG1534490
p-Isopropyltoluene	U	J3	0.00455	0.00892	1	08/28/2020 23:40	WG1534490
2-Butanone (MEK)	U		0.113	0.178	1	08/28/2020 23:40	WG1534490
Methylene Chloride	U	J3	0.0118	0.0446	1	08/28/2020 23:40	WG1534490
4-Methyl-2-pentanone (MIBK)	U		0.00407	0.0446	1	08/28/2020 23:40	WG1534490

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		0.000624	0.00178	1	08/28/2020 23:40	WG1534490
Naphthalene	0.0432	J0	0.00871	0.0223	1	08/28/2020 23:40	WG1534490
n-Propylbenzene	U	J3	0.00169	0.00892	1	08/28/2020 23:40	WG1534490
Styrene	U	J3	0.000409	0.0223	1	08/28/2020 23:40	WG1534490
1,1,1,2-Tetrachloroethane	U		0.00169	0.00446	1	08/28/2020 23:40	WG1534490
1,1,2,2-Tetrachloroethane	U		0.00124	0.00446	1	08/28/2020 23:40	WG1534490
1,1,2-Trichlorotrifluoroethane	U		0.00135	0.00446	1	08/28/2020 23:40	WG1534490
Tetrachloroethene	0.129		0.00160	0.00446	1	08/28/2020 23:40	WG1534490
Toluene	0.00232	J	0.00232	0.00892	1	08/28/2020 23:40	WG1534490
1,2,3-Trichlorobenzene	U	J0	0.0131	0.0223	1	08/28/2020 23:40	WG1534490
1,2,4-Trichlorobenzene	U		0.00785	0.0223	1	08/28/2020 23:40	WG1534490
1,1,1-Trichloroethane	U	J3	0.00165	0.00446	1	08/28/2020 23:40	WG1534490
1,1,2-Trichloroethane	U		0.00107	0.00446	1	08/28/2020 23:40	WG1534490
Trichloroethene	U		0.00104	0.00178	1	08/28/2020 23:40	WG1534490
Trichlorofluoromethane	U	J3	0.00148	0.00446	1	08/28/2020 23:40	WG1534490
1,2,3-Trichloropropane	U		0.00289	0.0223	1	08/28/2020 23:40	WG1534490
1,2,4-Trimethylbenzene	U	J3	0.00282	0.00892	1	08/28/2020 23:40	WG1534490
1,2,3-Trimethylbenzene	U		0.00282	0.00892	1	08/28/2020 23:40	WG1534490
1,3,5-Trimethylbenzene	U	J3	0.00357	0.00892	1	08/28/2020 23:40	WG1534490
Vinyl acetate	U		0.00453	0.0223	1	08/28/2020 23:40	WG1534490
Vinyl chloride	U		0.00207	0.00446	1	08/28/2020 23:40	WG1534490
Xylenes, Total	0.00466	J J3	0.00157	0.0116	1	08/28/2020 23:40	WG1534490
(S) Toluene-d8	*89.4*			*75.0-131*		*08/28/2020 23:40*	WG1534490
(S) 4-Bromofluorobenzene	*95.0*			*67.0-138*		*08/28/2020 23:40*	WG1534490
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*08/28/2020 23:40*	WG1534490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.6		1	08/31/2020 13:48	WG1534425

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		0.0547	0.0749	1	08/28/2020 23:59	WG1534490
Acrylonitrile	U		0.00541	0.0187	1	08/28/2020 23:59	WG1534490
Benzene	0.00187		0.000700	0.00150	1	08/28/2020 23:59	WG1534490
Bromobenzene	U		0.00135	0.0187	1	08/28/2020 23:59	WG1534490
Bromodichloromethane	U		0.00109	0.00375	1	08/28/2020 23:59	WG1534490
Bromochloromethane	U		0.000845	0.00749	1	08/28/2020 23:59	WG1534490
Bromoform	U		0.00175	0.0375	1	08/28/2020 23:59	WG1534490
Bromomethane	U	J3	0.00295	0.0187	1	08/28/2020 23:59	WG1534490
n-Butylbenzene	U	J3	0.00787	0.0187	1	08/28/2020 23:59	WG1534490
sec-Butylbenzene	U	J3	0.00432	0.0187	1	08/28/2020 23:59	WG1534490
tert-Butylbenzene	U	J3	0.00292	0.00749	1	08/28/2020 23:59	WG1534490
Carbon disulfide	U	J3	0.00105	0.0187	1	08/28/2020 23:59	WG1534490
Carbon tetrachloride	U	J3	0.00135	0.00749	1	08/28/2020 23:59	WG1534490
Chlorobenzene	U		0.000315	0.00375	1	08/28/2020 23:59	WG1534490
Chlorodibromomethane	U		0.000917	0.00375	1	08/28/2020 23:59	WG1534490
Chloroethane	U	J3	0.00255	0.00749	1	08/28/2020 23:59	WG1534490
Chloroform	U	J3	0.00154	0.00375	1	08/28/2020 23:59	WG1534490
Chloromethane	U	J3	0.00652	0.0187	1	08/28/2020 23:59	WG1534490
2-Chlorotoluene	U		0.00130	0.00375	1	08/28/2020 23:59	WG1534490
4-Chlorotoluene	U		0.000674	0.00749	1	08/28/2020 23:59	WG1534490
1,2-Dibromo-3-Chloropropane	U		0.00584	0.0375	1	08/28/2020 23:59	WG1534490
1,2-Dibromoethane	U		0.000971	0.00375	1	08/28/2020 23:59	WG1534490
Dibromomethane	U		0.00112	0.00749	1	08/28/2020 23:59	WG1534490
1,2-Dichlorobenzene	U		0.000637	0.00749	1	08/28/2020 23:59	WG1534490
1,3-Dichlorobenzene	U		0.000899	0.00749	1	08/28/2020 23:59	WG1534490
1,4-Dichlorobenzene	U		0.00105	0.00749	1	08/28/2020 23:59	WG1534490
Dichlorodifluoromethane	U		0.00241	0.00375	1	08/28/2020 23:59	WG1534490
1,1-Dichloroethane	U	J3	0.000736	0.00375	1	08/28/2020 23:59	WG1534490
1,2-Dichloroethane	U		0.000972	0.00375	1	08/28/2020 23:59	WG1534490
1,1-Dichloroethene	U	J3	0.000908	0.00375	1	08/28/2020 23:59	WG1534490
cis-1,2-Dichloroethene	U		0.00110	0.00375	1	08/28/2020 23:59	WG1534490
trans-1,2-Dichloroethene	U	J3	0.00156	0.00749	1	08/28/2020 23:59	WG1534490
1,2-Dichloropropane	U		0.00213	0.00749	1	08/28/2020 23:59	WG1534490
1,1-Dichloropropene	U		0.00121	0.00375	1	08/28/2020 23:59	WG1534490
1,3-Dichloropropane	U		0.000751	0.00749	1	08/28/2020 23:59	WG1534490
cis-1,3-Dichloropropene	U		0.00113	0.00375	1	08/28/2020 23:59	WG1534490
trans-1,3-Dichloropropene	U		0.00171	0.00749	1	08/28/2020 23:59	WG1534490
trans-1,4-Dichloro-2-butene	U		0.00279	0.00749	1	08/28/2020 23:59	WG1534490
2,2-Dichloropropane	U		0.00207	0.00375	1	08/28/2020 23:59	WG1534490
Di-isopropyl ether	U		0.000614	0.00150	1	08/28/2020 23:59	WG1534490
Ethylbenzene	U		0.00110	0.00375	1	08/28/2020 23:59	WG1534490
Hexachloro-1,3-butadiene	U	J3	0.00899	0.0375	1	08/28/2020 23:59	WG1534490
2-Hexanone	U		0.00503	0.0375	1	08/28/2020 23:59	WG1534490
n-Hexane	0.0150		0.00339	0.00749	1	08/28/2020 23:59	WG1534490
Iodomethane	U	J3	0.00348	0.0187	1	08/28/2020 23:59	WG1534490
Isopropylbenzene	U	J3	0.000637	0.00375	1	08/28/2020 23:59	WG1534490
p-Isopropyltoluene	U	J3	0.00382	0.00749	1	08/28/2020 23:59	WG1534490
2-Butanone (MEK)	U		0.0951	0.150	1	08/28/2020 23:59	WG1534490
Methylene Chloride	U	J3	0.00995	0.0375	1	08/28/2020 23:59	WG1534490
4-Methyl-2-pentanone (MIBK)	U		0.00342	0.0375	1	08/28/2020 23:59	WG1534490

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		0.000524	0.00150	1	08/28/2020 23:59	WG1534490
Naphthalene	0.0334	J0	0.00731	0.0187	1	08/28/2020 23:59	WG1534490
n-Propylbenzene	U	J3	0.00142	0.00749	1	08/28/2020 23:59	WG1534490
Styrene	U	J3	0.000343	0.0187	1	08/28/2020 23:59	WG1534490
1,1,1,2-Tetrachloroethane	U		0.00142	0.00375	1	08/28/2020 23:59	WG1534490
1,1,2,2-Tetrachloroethane	U		0.00104	0.00375	1	08/28/2020 23:59	WG1534490
1,1,2-Trichlorotrifluoroethane	U		0.00113	0.00375	1	08/28/2020 23:59	WG1534490
Tetrachloroethene	0.0995		0.00134	0.00375	1	08/28/2020 23:59	WG1534490
Toluene	0.00361	J	0.00195	0.00749	1	08/28/2020 23:59	WG1534490
1,2,3-Trichlorobenzene	U	J0	0.0110	0.0187	1	08/28/2020 23:59	WG1534490
1,2,4-Trichlorobenzene	U		0.00659	0.0187	1	08/28/2020 23:59	WG1534490
1,1,1-Trichloroethane	U	J3	0.00138	0.00375	1	08/28/2020 23:59	WG1534490
1,1,2-Trichloroethane	U		0.000895	0.00375	1	08/28/2020 23:59	WG1534490
Trichloroethene	U		0.000875	0.00150	1	08/28/2020 23:59	WG1534490
Trichlorofluoromethane	U	J3	0.00124	0.00375	1	08/28/2020 23:59	WG1534490
1,2,3-Trichloropropane	U		0.00243	0.0187	1	08/28/2020 23:59	WG1534490
1,2,4-Trimethylbenzene	0.00348	J J3	0.00237	0.00749	1	08/28/2020 23:59	WG1534490
1,2,3-Trimethylbenzene	U		0.00237	0.00749	1	08/28/2020 23:59	WG1534490
1,3,5-Trimethylbenzene	U	J3	0.00300	0.00749	1	08/28/2020 23:59	WG1534490
Vinyl acetate	U		0.00381	0.0187	1	08/28/2020 23:59	WG1534490
Vinyl chloride	U		0.00174	0.00375	1	08/28/2020 23:59	WG1534490
Xylenes, Total	0.00811	J J3	0.00132	0.00974	1	08/28/2020 23:59	WG1534490
(S) Toluene-d8	*92.5*			*75.0-131*		*08/28/2020 23:59*	WG1534490
(S) 4-Bromofluorobenzene	*93.9*			*67.0-138*		*08/28/2020 23:59*	WG1534490
(S) 1,2-Dichloroethane-d4	*92.4*			*70.0-130*		*08/28/2020 23:59*	WG1534490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.5		1	08/31/2020 13:48	WG1534425

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		0.0513	0.0703	1	08/29/2020 00:18	WG1534490
Acrylonitrile	U		0.00507	0.0176	1	08/29/2020 00:18	WG1534490
Benzene	0.000922	J	0.000656	0.00141	1	08/29/2020 00:18	WG1534490
Bromobenzene	U		0.00127	0.0176	1	08/29/2020 00:18	WG1534490
Bromodichloromethane	U		0.00102	0.00351	1	08/29/2020 00:18	WG1534490
Bromochloromethane	U		0.000793	0.00703	1	08/29/2020 00:18	WG1534490
Bromoform	U		0.00164	0.0351	1	08/29/2020 00:18	WG1534490
Bromomethane	U	J3	0.00277	0.0176	1	08/29/2020 00:18	WG1534490
n-Butylbenzene	U	J3	0.00738	0.0176	1	08/29/2020 00:18	WG1534490
sec-Butylbenzene	U	J3	0.00405	0.0176	1	08/29/2020 00:18	WG1534490
tert-Butylbenzene	U	J3	0.00274	0.00703	1	08/29/2020 00:18	WG1534490
Carbon disulfide	U	J3	0.000984	0.0176	1	08/29/2020 00:18	WG1534490
Carbon tetrachloride	U	J3	0.00126	0.00703	1	08/29/2020 00:18	WG1534490
Chlorobenzene	U		0.000295	0.00351	1	08/29/2020 00:18	WG1534490
Chlorodibromomethane	U		0.000860	0.00351	1	08/29/2020 00:18	WG1534490
Chloroethane	U	J3	0.00239	0.00703	1	08/29/2020 00:18	WG1534490
Chloroform	U	J3	0.00145	0.00351	1	08/29/2020 00:18	WG1534490
Chloromethane	U	J3	0.00611	0.0176	1	08/29/2020 00:18	WG1534490
2-Chlorotoluene	U		0.00122	0.00351	1	08/29/2020 00:18	WG1534490
4-Chlorotoluene	U		0.000633	0.00703	1	08/29/2020 00:18	WG1534490
1,2-Dibromo-3-Chloropropane	U		0.00548	0.0351	1	08/29/2020 00:18	WG1534490
1,2-Dibromoethane	U		0.000911	0.00351	1	08/29/2020 00:18	WG1534490
Dibromomethane	U		0.00105	0.00703	1	08/29/2020 00:18	WG1534490
1,2-Dichlorobenzene	U		0.000597	0.00703	1	08/29/2020 00:18	WG1534490
1,3-Dichlorobenzene	U		0.000843	0.00703	1	08/29/2020 00:18	WG1534490
1,4-Dichlorobenzene	U		0.000984	0.00703	1	08/29/2020 00:18	WG1534490
Dichlorodifluoromethane	U		0.00226	0.00351	1	08/29/2020 00:18	WG1534490
1,1-Dichloroethane	U	J3	0.000690	0.00351	1	08/29/2020 00:18	WG1534490
1,2-Dichloroethane	U		0.000912	0.00351	1	08/29/2020 00:18	WG1534490
1,1-Dichloroethene	U	J3	0.000852	0.00351	1	08/29/2020 00:18	WG1534490
cis-1,2-Dichloroethene	0.00423		0.00103	0.00351	1	08/29/2020 00:18	WG1534490
trans-1,2-Dichloroethene	U	J3	0.00146	0.00703	1	08/29/2020 00:18	WG1534490
1,2-Dichloropropane	U		0.00200	0.00703	1	08/29/2020 00:18	WG1534490
1,1-Dichloropropene	U		0.00114	0.00351	1	08/29/2020 00:18	WG1534490
1,3-Dichloropropane	U		0.000704	0.00703	1	08/29/2020 00:18	WG1534490
cis-1,3-Dichloropropene	U		0.00106	0.00351	1	08/29/2020 00:18	WG1534490
trans-1,3-Dichloropropene	U		0.00160	0.00703	1	08/29/2020 00:18	WG1534490
trans-1,4-Dichloro-2-butene	U		0.00261	0.00703	1	08/29/2020 00:18	WG1534490
2,2-Dichloropropane	U		0.00194	0.00351	1	08/29/2020 00:18	WG1534490
Di-isopropyl ether	U		0.000576	0.00141	1	08/29/2020 00:18	WG1534490
Ethylbenzene	U		0.00104	0.00351	1	08/29/2020 00:18	WG1534490
Hexachloro-1,3-butadiene	U	J3	0.00843	0.0351	1	08/29/2020 00:18	WG1534490
2-Hexanone	U		0.00472	0.0351	1	08/29/2020 00:18	WG1534490
n-Hexane	0.0170		0.00318	0.00703	1	08/29/2020 00:18	WG1534490
Iodomethane	U	J3	0.00326	0.0176	1	08/29/2020 00:18	WG1534490
Isopropylbenzene	U	J3	0.000597	0.00351	1	08/29/2020 00:18	WG1534490
p-Isopropyltoluene	U	J3	0.00358	0.00703	1	08/29/2020 00:18	WG1534490
2-Butanone (MEK)	U		0.0893	0.141	1	08/29/2020 00:18	WG1534490
Methylene Chloride	U	J3	0.00933	0.0351	1	08/29/2020 00:18	WG1534490
4-Methyl-2-pentanone (MIBK)	U		0.00320	0.0351	1	08/29/2020 00:18	WG1534490

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		0.000492	0.00141	1	08/29/2020 00:18	WG1534490
Naphthalene	0.0287	J0	0.00686	0.0176	1	08/29/2020 00:18	WG1534490
n-Propylbenzene	U	J3	0.00134	0.00703	1	08/29/2020 00:18	WG1534490
Styrene	U	J3	0.000322	0.0176	1	08/29/2020 00:18	WG1534490
1,1,1,2-Tetrachloroethane	U		0.00133	0.00351	1	08/29/2020 00:18	WG1534490
1,1,2,2-Tetrachloroethane	U		0.000977	0.00351	1	08/29/2020 00:18	WG1534490
1,1,2-Trichlorotrifluoroethane	U		0.00106	0.00351	1	08/29/2020 00:18	WG1534490
Tetrachloroethene	U		0.00126	0.00351	1	08/29/2020 00:18	WG1534490
Toluene	0.00703	J	0.00183	0.00703	1	08/29/2020 00:18	WG1534490
1,2,3-Trichlorobenzene	U	J0	0.0103	0.0176	1	08/29/2020 00:18	WG1534490
1,2,4-Trichlorobenzene	U		0.00618	0.0176	1	08/29/2020 00:18	WG1534490
1,1,1-Trichloroethane	U	J3	0.00130	0.00351	1	08/29/2020 00:18	WG1534490
1,1,2-Trichloroethane	U		0.000839	0.00351	1	08/29/2020 00:18	WG1534490
Trichloroethene	U		0.000821	0.00141	1	08/29/2020 00:18	WG1534490
Trichlorofluoromethane	U	J3	0.00116	0.00351	1	08/29/2020 00:18	WG1534490
1,2,3-Trichloropropane	U		0.00228	0.0176	1	08/29/2020 00:18	WG1534490
1,2,4-Trimethylbenzene	U	J3	0.00222	0.00703	1	08/29/2020 00:18	WG1534490
1,2,3-Trimethylbenzene	U		0.00222	0.00703	1	08/29/2020 00:18	WG1534490
1,3,5-Trimethylbenzene	U	J3	0.00281	0.00703	1	08/29/2020 00:18	WG1534490
Vinyl acetate	U		0.00357	0.0176	1	08/29/2020 00:18	WG1534490
Vinyl chloride	U		0.00163	0.00351	1	08/29/2020 00:18	WG1534490
Xylenes, Total	0.00231	J J3	0.00124	0.00914	1	08/29/2020 00:18	WG1534490
(S) Toluene-d8	*92.5*			*75.0-131*		*08/29/2020 00:18*	WG1534490
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*		*08/29/2020 00:18*	WG1534490
(S) 1,2-Dichloroethane-d4	*92.6*			*70.0-130*		*08/29/2020 00:18*	WG1534490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.9		1	08/31/2020 13:48	WG1534425

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		0.0415	0.0568	1	08/29/2020 00:37	WG1534490
Acrylonitrile	U		0.00410	0.0142	1	08/29/2020 00:37	WG1534490
Benzene	U		0.000531	0.00114	1	08/29/2020 00:37	WG1534490
Bromobenzene	U		0.00102	0.0142	1	08/29/2020 00:37	WG1534490
Bromodichloromethane	U		0.000824	0.00284	1	08/29/2020 00:37	WG1534490
Bromochloromethane	U		0.000641	0.00568	1	08/29/2020 00:37	WG1534490
Bromoform	U		0.00133	0.0284	1	08/29/2020 00:37	WG1534490
Bromomethane	U	J3	0.00224	0.0142	1	08/29/2020 00:37	WG1534490
n-Butylbenzene	U	J3	0.00596	0.0142	1	08/29/2020 00:37	WG1534490
sec-Butylbenzene	U	J3	0.00327	0.0142	1	08/29/2020 00:37	WG1534490
tert-Butylbenzene	U	J3	0.00222	0.00568	1	08/29/2020 00:37	WG1534490
Carbon disulfide	U	J3	0.000795	0.0142	1	08/29/2020 00:37	WG1534490
Carbon tetrachloride	U	J3	0.00102	0.00568	1	08/29/2020 00:37	WG1534490
Chlorobenzene	U		0.000239	0.00284	1	08/29/2020 00:37	WG1534490
Chlorodibromomethane	U		0.000695	0.00284	1	08/29/2020 00:37	WG1534490
Chloroethane	U	J3	0.00193	0.00568	1	08/29/2020 00:37	WG1534490
Chloroform	U	J3	0.00117	0.00284	1	08/29/2020 00:37	WG1534490
Chloromethane	U	J3	0.00494	0.0142	1	08/29/2020 00:37	WG1534490
2-Chlorotoluene	U		0.000983	0.00284	1	08/29/2020 00:37	WG1534490
4-Chlorotoluene	U		0.000511	0.00568	1	08/29/2020 00:37	WG1534490
1,2-Dibromo-3-Chloropropane	U		0.00443	0.0284	1	08/29/2020 00:37	WG1534490
1,2-Dibromoethane	U		0.000736	0.00284	1	08/29/2020 00:37	WG1534490
Dibromomethane	U		0.000852	0.00568	1	08/29/2020 00:37	WG1534490
1,2-Dichlorobenzene	U		0.000483	0.00568	1	08/29/2020 00:37	WG1534490
1,3-Dichlorobenzene	U		0.000682	0.00568	1	08/29/2020 00:37	WG1534490
1,4-Dichlorobenzene	U		0.000795	0.00568	1	08/29/2020 00:37	WG1534490
Dichlorodifluoromethane	U		0.00183	0.00284	1	08/29/2020 00:37	WG1534490
1,1-Dichloroethane	U	J3	0.000558	0.00284	1	08/29/2020 00:37	WG1534490
1,2-Dichloroethane	U		0.000737	0.00284	1	08/29/2020 00:37	WG1534490
1,1-Dichloroethene	U	J3	0.000688	0.00284	1	08/29/2020 00:37	WG1534490
cis-1,2-Dichloroethene	U		0.000834	0.00284	1	08/29/2020 00:37	WG1534490
trans-1,2-Dichloroethene	U	J3	0.00118	0.00568	1	08/29/2020 00:37	WG1534490
1,2-Dichloropropane	U		0.00161	0.00568	1	08/29/2020 00:37	WG1534490
1,1-Dichloropropene	U		0.000919	0.00284	1	08/29/2020 00:37	WG1534490
1,3-Dichloropropane	U		0.000569	0.00568	1	08/29/2020 00:37	WG1534490
cis-1,3-Dichloropropene	U		0.000860	0.00284	1	08/29/2020 00:37	WG1534490
trans-1,3-Dichloropropene	U		0.00130	0.00568	1	08/29/2020 00:37	WG1534490
trans-1,4-Dichloro-2-butene	U		0.00211	0.00568	1	08/29/2020 00:37	WG1534490
2,2-Dichloropropane	U		0.00157	0.00284	1	08/29/2020 00:37	WG1534490
Di-isopropyl ether	U		0.000466	0.00114	1	08/29/2020 00:37	WG1534490
Ethylbenzene	U		0.000837	0.00284	1	08/29/2020 00:37	WG1534490
Hexachloro-1,3-butadiene	U	J3	0.00682	0.0284	1	08/29/2020 00:37	WG1534490
2-Hexanone	U		0.00382	0.0284	1	08/29/2020 00:37	WG1534490
n-Hexane	U		0.00257	0.00568	1	08/29/2020 00:37	WG1534490
Iodomethane	U	J3	0.00264	0.0142	1	08/29/2020 00:37	WG1534490
Isopropylbenzene	U	J3	0.000483	0.00284	1	08/29/2020 00:37	WG1534490
p-Isopropyltoluene	U	J3	0.00290	0.00568	1	08/29/2020 00:37	WG1534490
2-Butanone (MEK)	U		0.0721	0.114	1	08/29/2020 00:37	WG1534490
Methylene Chloride	U	J3	0.00754	0.0284	1	08/29/2020 00:37	WG1534490
4-Methyl-2-pentanone (MIBK)	U		0.00259	0.0284	1	08/29/2020 00:37	WG1534490

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	08/29/2020 00:37	WG1534490
Naphthalene	0.0307	J0	0.00554	0.0142	1	08/29/2020 00:37	WG1534490
n-Propylbenzene	U	J3	0.00108	0.00568	1	08/29/2020 00:37	WG1534490
Styrene	U	J3	0.000260	0.0142	1	08/29/2020 00:37	WG1534490
1,1,1,2-Tetrachloroethane	U		0.00108	0.00284	1	08/29/2020 00:37	WG1534490
1,1,2,2-Tetrachloroethane	U		0.000790	0.00284	1	08/29/2020 00:37	WG1534490
1,1,2-Trichlorotrifluoroethane	U		0.000857	0.00284	1	08/29/2020 00:37	WG1534490
Tetrachloroethene	U		0.00102	0.00284	1	08/29/2020 00:37	WG1534490
Toluene	U		0.00148	0.00568	1	08/29/2020 00:37	WG1534490
1,2,3-Trichlorobenzene	U	J0	0.00833	0.0142	1	08/29/2020 00:37	WG1534490
1,2,4-Trichlorobenzene	U		0.00500	0.0142	1	08/29/2020 00:37	WG1534490
1,1,1-Trichloroethane	U	J3	0.00105	0.00284	1	08/29/2020 00:37	WG1534490
1,1,2-Trichloroethane	U		0.000678	0.00284	1	08/29/2020 00:37	WG1534490
Trichloroethene	U		0.000663	0.00114	1	08/29/2020 00:37	WG1534490
Trichlorofluoromethane	U	J3	0.000939	0.00284	1	08/29/2020 00:37	WG1534490
1,2,3-Trichloropropane	U		0.00184	0.0142	1	08/29/2020 00:37	WG1534490
1,2,4-Trimethylbenzene	0.00306	J J3	0.00179	0.00568	1	08/29/2020 00:37	WG1534490
1,2,3-Trimethylbenzene	0.00245	J	0.00179	0.00568	1	08/29/2020 00:37	WG1534490
1,3,5-Trimethylbenzene	U	J3	0.00227	0.00568	1	08/29/2020 00:37	WG1534490
Vinyl acetate	U		0.00289	0.0142	1	08/29/2020 00:37	WG1534490
Vinyl chloride	U		0.00132	0.00284	1	08/29/2020 00:37	WG1534490
Xylenes, Total	0.00362	J J3	0.00100	0.00738	1	08/29/2020 00:37	WG1534490
(S) Toluene-d8	*92.3*			*75.0-131*		*08/29/2020 00:37*	WG1534490
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*08/29/2020 00:37*	WG1534490
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*08/29/2020 00:37*	WG1534490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.9		1	08/31/2020 13:48	WG1534425

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	08/29/2020 00:56	WG1534490
Acrylonitrile	U		0.00400	0.0139	1	08/29/2020 00:56	WG1534490
Benzene	0.000933	J	0.000518	0.00111	1	08/29/2020 00:56	WG1534490
Bromobenzene	U		0.000998	0.0139	1	08/29/2020 00:56	WG1534490
Bromodichloromethane	U		0.000804	0.00277	1	08/29/2020 00:56	WG1534490
Bromochloromethane	U		0.000625	0.00554	1	08/29/2020 00:56	WG1534490
Bromoform	U		0.00130	0.0277	1	08/29/2020 00:56	WG1534490
Bromomethane	U	J3	0.00218	0.0139	1	08/29/2020 00:56	WG1534490
n-Butylbenzene	U	J3	0.00582	0.0139	1	08/29/2020 00:56	WG1534490
sec-Butylbenzene	U	J3	0.00319	0.0139	1	08/29/2020 00:56	WG1534490
tert-Butylbenzene	U	J3	0.00216	0.00554	1	08/29/2020 00:56	WG1534490
Carbon disulfide	U	J3	0.000776	0.0139	1	08/29/2020 00:56	WG1534490
Carbon tetrachloride	U	J3	0.000995	0.00554	1	08/29/2020 00:56	WG1534490
Chlorobenzene	U		0.000233	0.00277	1	08/29/2020 00:56	WG1534490
Chlorodibromomethane	U		0.000678	0.00277	1	08/29/2020 00:56	WG1534490
Chloroethane	U	J3	0.00188	0.00554	1	08/29/2020 00:56	WG1534490
Chloroform	U	J3	0.00114	0.00277	1	08/29/2020 00:56	WG1534490
Chloromethane	U	J3	0.00482	0.0139	1	08/29/2020 00:56	WG1534490
2-Chlorotoluene	U		0.000959	0.00277	1	08/29/2020 00:56	WG1534490
4-Chlorotoluene	U		0.000499	0.00554	1	08/29/2020 00:56	WG1534490
1,2-Dibromo-3-Chloropropane	U		0.00432	0.0277	1	08/29/2020 00:56	WG1534490
1,2-Dibromoethane	U		0.000718	0.00277	1	08/29/2020 00:56	WG1534490
Dibromomethane	U		0.000831	0.00554	1	08/29/2020 00:56	WG1534490
1,2-Dichlorobenzene	U		0.000471	0.00554	1	08/29/2020 00:56	WG1534490
1,3-Dichlorobenzene	U		0.000665	0.00554	1	08/29/2020 00:56	WG1534490
1,4-Dichlorobenzene	U		0.000776	0.00554	1	08/29/2020 00:56	WG1534490
Dichlorodifluoromethane	U		0.00178	0.00277	1	08/29/2020 00:56	WG1534490
1,1-Dichloroethane	U	J3	0.000544	0.00277	1	08/29/2020 00:56	WG1534490
1,2-Dichloroethane	U		0.000719	0.00277	1	08/29/2020 00:56	WG1534490
1,1-Dichloroethene	U	J3	0.000672	0.00277	1	08/29/2020 00:56	WG1534490
cis-1,2-Dichloroethene	U		0.000814	0.00277	1	08/29/2020 00:56	WG1534490
trans-1,2-Dichloroethene	U	J3	0.00115	0.00554	1	08/29/2020 00:56	WG1534490
1,2-Dichloropropane	U		0.00157	0.00554	1	08/29/2020 00:56	WG1534490
1,1-Dichloropropene	U		0.000897	0.00277	1	08/29/2020 00:56	WG1534490
1,3-Dichloropropane	U		0.000555	0.00554	1	08/29/2020 00:56	WG1534490
cis-1,3-Dichloropropene	U		0.000839	0.00277	1	08/29/2020 00:56	WG1534490
trans-1,3-Dichloropropene	U		0.00126	0.00554	1	08/29/2020 00:56	WG1534490
trans-1,4-Dichloro-2-butene	U		0.00206	0.00554	1	08/29/2020 00:56	WG1534490
2,2-Dichloropropane	U		0.00153	0.00277	1	08/29/2020 00:56	WG1534490
Di-isopropyl ether	U		0.000454	0.00111	1	08/29/2020 00:56	WG1534490
Ethylbenzene	U		0.000817	0.00277	1	08/29/2020 00:56	WG1534490
Hexachloro-1,3-butadiene	U	J3	0.00665	0.0277	1	08/29/2020 00:56	WG1534490
2-Hexanone	U		0.00372	0.0277	1	08/29/2020 00:56	WG1534490
n-Hexane	U		0.00251	0.00554	1	08/29/2020 00:56	WG1534490
Iodomethane	U	J3	0.00257	0.0139	1	08/29/2020 00:56	WG1534490
Isopropylbenzene	U	J3	0.000471	0.00277	1	08/29/2020 00:56	WG1534490
p-Isopropyltoluene	U	J3	0.00283	0.00554	1	08/29/2020 00:56	WG1534490
2-Butanone (MEK)	U		0.0704	0.111	1	08/29/2020 00:56	WG1534490
Methylene Chloride	U	J3	0.00736	0.0277	1	08/29/2020 00:56	WG1534490
4-Methyl-2-pentanone (MIBK)	U		0.00253	0.0277	1	08/29/2020 00:56	WG1534490

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		0.000388	0.00111	1	08/29/2020 00:56	WG1534490
Naphthalene	0.0286	J0	0.00541	0.0139	1	08/29/2020 00:56	WG1534490
n-Propylbenzene	U	J3	0.00105	0.00554	1	08/29/2020 00:56	WG1534490
Styrene	U	J3	0.000254	0.0139	1	08/29/2020 00:56	WG1534490
1,1,1,2-Tetrachloroethane	U		0.00105	0.00277	1	08/29/2020 00:56	WG1534490
1,1,2,2-Tetrachloroethane	U		0.000770	0.00277	1	08/29/2020 00:56	WG1534490
1,1,2-Trichlorotrifluoroethane	U		0.000836	0.00277	1	08/29/2020 00:56	WG1534490
Tetrachloroethene	0.00365		0.000993	0.00277	1	08/29/2020 00:56	WG1534490
Toluene	0.00351	J	0.00144	0.00554	1	08/29/2020 00:56	WG1534490
1,2,3-Trichlorobenzene	U	J0	0.00813	0.0139	1	08/29/2020 00:56	WG1534490
1,2,4-Trichlorobenzene	U		0.00488	0.0139	1	08/29/2020 00:56	WG1534490
1,1,1-Trichloroethane	U	J3	0.00102	0.00277	1	08/29/2020 00:56	WG1534490
1,1,2-Trichloroethane	U		0.000662	0.00277	1	08/29/2020 00:56	WG1534490
Trichloroethene	U		0.000647	0.00111	1	08/29/2020 00:56	WG1534490
Trichlorofluoromethane	U	J3	0.000917	0.00277	1	08/29/2020 00:56	WG1534490
1,2,3-Trichloropropane	U		0.00180	0.0139	1	08/29/2020 00:56	WG1534490
1,2,4-Trimethylbenzene	U	J3	0.00175	0.00554	1	08/29/2020 00:56	WG1534490
1,2,3-Trimethylbenzene	U		0.00175	0.00554	1	08/29/2020 00:56	WG1534490
1,3,5-Trimethylbenzene	U	J3	0.00222	0.00554	1	08/29/2020 00:56	WG1534490
Vinyl acetate	U		0.00282	0.0139	1	08/29/2020 00:56	WG1534490
Vinyl chloride	U		0.00129	0.00277	1	08/29/2020 00:56	WG1534490
Xylenes, Total	0.00154	J J3	0.000975	0.00721	1	08/29/2020 00:56	WG1534490
(S) Toluene-d8	*95.3*			*75.0-131*		*08/29/2020 00:56*	WG1534490
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*08/29/2020 00:56*	WG1534490
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*08/29/2020 00:56*	WG1534490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	08/31/2020 13:48	WG1534425

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		0.0450	0.0616	1	08/29/2020 01:15	WG1534490
Acrylonitrile	U		0.00445	0.0154	1	08/29/2020 01:15	WG1534490
Benzene	U		0.000575	0.00123	1	08/29/2020 01:15	WG1534490
Bromobenzene	U		0.00111	0.0154	1	08/29/2020 01:15	WG1534490
Bromodichloromethane	U		0.000893	0.00308	1	08/29/2020 01:15	WG1534490
Bromochloromethane	U		0.000695	0.00616	1	08/29/2020 01:15	WG1534490
Bromoform	U		0.00144	0.0308	1	08/29/2020 01:15	WG1534490
Bromomethane	U	J3	0.00243	0.0154	1	08/29/2020 01:15	WG1534490
n-Butylbenzene	U	J3	0.00647	0.0154	1	08/29/2020 01:15	WG1534490
sec-Butylbenzene	U	J3	0.00355	0.0154	1	08/29/2020 01:15	WG1534490
tert-Butylbenzene	U	J3	0.00240	0.00616	1	08/29/2020 01:15	WG1534490
Carbon disulfide	U	J3	0.000862	0.0154	1	08/29/2020 01:15	WG1534490
Carbon tetrachloride	U	J3	0.00111	0.00616	1	08/29/2020 01:15	WG1534490
Chlorobenzene	U		0.000259	0.00308	1	08/29/2020 01:15	WG1534490
Chlorodibromomethane	U		0.000754	0.00308	1	08/29/2020 01:15	WG1534490
Chloroethane	U	J3	0.00209	0.00616	1	08/29/2020 01:15	WG1534490
Chloroform	U	J3	0.00127	0.00308	1	08/29/2020 01:15	WG1534490
Chloromethane	U	J3	0.00536	0.0154	1	08/29/2020 01:15	WG1534490
2-Chlorotoluene	U		0.00107	0.00308	1	08/29/2020 01:15	WG1534490
4-Chlorotoluene	U		0.000554	0.00616	1	08/29/2020 01:15	WG1534490
1,2-Dibromo-3-Chloropropane	U		0.00480	0.0308	1	08/29/2020 01:15	WG1534490
1,2-Dibromoethane	U		0.000798	0.00308	1	08/29/2020 01:15	WG1534490
Dibromomethane	U		0.000924	0.00616	1	08/29/2020 01:15	WG1534490
1,2-Dichlorobenzene	U		0.000524	0.00616	1	08/29/2020 01:15	WG1534490
1,3-Dichlorobenzene	U		0.000739	0.00616	1	08/29/2020 01:15	WG1534490
1,4-Dichlorobenzene	U		0.000862	0.00616	1	08/29/2020 01:15	WG1534490
Dichlorodifluoromethane	U		0.00198	0.00308	1	08/29/2020 01:15	WG1534490
1,1-Dichloroethane	U	J3	0.000605	0.00308	1	08/29/2020 01:15	WG1534490
1,2-Dichloroethane	U		0.000800	0.00308	1	08/29/2020 01:15	WG1534490
1,1-Dichloroethene	U	J3	0.000747	0.00308	1	08/29/2020 01:15	WG1534490
cis-1,2-Dichloroethene	U		0.000904	0.00308	1	08/29/2020 01:15	WG1534490
trans-1,2-Dichloroethene	U	J3	0.00128	0.00616	1	08/29/2020 01:15	WG1534490
1,2-Dichloropropane	U		0.00175	0.00616	1	08/29/2020 01:15	WG1534490
1,1-Dichloropropene	U		0.000997	0.00308	1	08/29/2020 01:15	WG1534490
1,3-Dichloropropane	U		0.000617	0.00616	1	08/29/2020 01:15	WG1534490
cis-1,3-Dichloropropene	U		0.000933	0.00308	1	08/29/2020 01:15	WG1534490
trans-1,3-Dichloropropene	U		0.00140	0.00616	1	08/29/2020 01:15	WG1534490
trans-1,4-Dichloro-2-butene	U		0.00229	0.00616	1	08/29/2020 01:15	WG1534490
2,2-Dichloropropane	U		0.00170	0.00308	1	08/29/2020 01:15	WG1534490
Di-isopropyl ether	U		0.000505	0.00123	1	08/29/2020 01:15	WG1534490
Ethylbenzene	U		0.000908	0.00308	1	08/29/2020 01:15	WG1534490
Hexachloro-1,3-butadiene	U	J3	0.00739	0.0308	1	08/29/2020 01:15	WG1534490
2-Hexanone	U		0.00414	0.0308	1	08/29/2020 01:15	WG1534490
n-Hexane	U		0.00278	0.00616	1	08/29/2020 01:15	WG1534490
Iodomethane	U	J3	0.00286	0.0154	1	08/29/2020 01:15	WG1534490
Isopropylbenzene	U	J3	0.000524	0.00308	1	08/29/2020 01:15	WG1534490
p-Isopropyltoluene	U	J3	0.00314	0.00616	1	08/29/2020 01:15	WG1534490
2-Butanone (MEK)	U		0.0782	0.123	1	08/29/2020 01:15	WG1534490
Methylene Chloride	U	J3	0.00818	0.0308	1	08/29/2020 01:15	WG1534490
4-Methyl-2-pentanone (MIBK)	U		0.00281	0.0308	1	08/29/2020 01:15	WG1534490

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		0.000431	0.00123	1	08/29/2020 01:15	WG1534490
Naphthalene	U	J0	0.00601	0.0154	1	08/29/2020 01:15	WG1534490
n-Propylbenzene	U	J3	0.00117	0.00616	1	08/29/2020 01:15	WG1534490
Styrene	U	J3	0.000282	0.0154	1	08/29/2020 01:15	WG1534490
1,1,1,2-Tetrachloroethane	U		0.00117	0.00308	1	08/29/2020 01:15	WG1534490
1,1,2,2-Tetrachloroethane	U		0.000856	0.00308	1	08/29/2020 01:15	WG1534490
1,1,2-Trichlorotrifluoroethane	U		0.000929	0.00308	1	08/29/2020 01:15	WG1534490
Tetrachloroethene	0.00839		0.00110	0.00308	1	08/29/2020 01:15	WG1534490
Toluene	U		0.00160	0.00616	1	08/29/2020 01:15	WG1534490
1,2,3-Trichlorobenzene	U	J0	0.00903	0.0154	1	08/29/2020 01:15	WG1534490
1,2,4-Trichlorobenzene	U		0.00542	0.0154	1	08/29/2020 01:15	WG1534490
1,1,1-Trichloroethane	U	J3	0.00114	0.00308	1	08/29/2020 01:15	WG1534490
1,1,2-Trichloroethane	U		0.000735	0.00308	1	08/29/2020 01:15	WG1534490
Trichloroethene	U		0.000719	0.00123	1	08/29/2020 01:15	WG1534490
Trichlorofluoromethane	U	J3	0.00102	0.00308	1	08/29/2020 01:15	WG1534490
1,2,3-Trichloropropane	U		0.00200	0.0154	1	08/29/2020 01:15	WG1534490
1,2,4-Trimethylbenzene	U	J3	0.00195	0.00616	1	08/29/2020 01:15	WG1534490
1,2,3-Trimethylbenzene	U		0.00195	0.00616	1	08/29/2020 01:15	WG1534490
1,3,5-Trimethylbenzene	U	J3	0.00246	0.00616	1	08/29/2020 01:15	WG1534490
Vinyl acetate	U		0.00313	0.0154	1	08/29/2020 01:15	WG1534490
Vinyl chloride	U		0.00143	0.00308	1	08/29/2020 01:15	WG1534490
Xylenes, Total	U	J3	0.00108	0.00801	1	08/29/2020 01:15	WG1534490
(S) Toluene-d8	*92.1*			*75.0-131*		*08/29/2020 01:15*	WG1534490
(S) 4-Bromofluorobenzene	*97.0*			*67.0-138*		*08/29/2020 01:15*	WG1534490
(S) 1,2-Dichloroethane-d4	*92.6*			*70.0-130*		*08/29/2020 01:15*	WG1534490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.7		1	08/31/2020 14:00	WG1534426

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		0.0419	0.0574	1	08/29/2020 01:34	WG1534490
Acrylonitrile	U		0.00415	0.0144	1	08/29/2020 01:34	WG1534490
Benzene	0.00116		0.000536	0.00115	1	08/29/2020 01:34	WG1534490
Bromobenzene	U		0.00103	0.0144	1	08/29/2020 01:34	WG1534490
Bromodichloromethane	U		0.000833	0.00287	1	08/29/2020 01:34	WG1534490
Bromochloromethane	U		0.000648	0.00574	1	08/29/2020 01:34	WG1534490
Bromoform	U		0.00134	0.0287	1	08/29/2020 01:34	WG1534490
Bromomethane	U	J3	0.00226	0.0144	1	08/29/2020 01:34	WG1534490
n-Butylbenzene	U	J3	0.00603	0.0144	1	08/29/2020 01:34	WG1534490
sec-Butylbenzene	U	J3	0.00331	0.0144	1	08/29/2020 01:34	WG1534490
tert-Butylbenzene	U	J3	0.00224	0.00574	1	08/29/2020 01:34	WG1534490
Carbon disulfide	U	J3	0.000804	0.0144	1	08/29/2020 01:34	WG1534490
Carbon tetrachloride	U	J3	0.00103	0.00574	1	08/29/2020 01:34	WG1534490
Chlorobenzene	U		0.000241	0.00287	1	08/29/2020 01:34	WG1534490
Chlorodibromomethane	U		0.000703	0.00287	1	08/29/2020 01:34	WG1534490
Chloroethane	U	J3	0.00195	0.00574	1	08/29/2020 01:34	WG1534490
Chloroform	U	J3	0.00118	0.00287	1	08/29/2020 01:34	WG1534490
Chloromethane	U	J3	0.00500	0.0144	1	08/29/2020 01:34	WG1534490
2-Chlorotoluene	U		0.000994	0.00287	1	08/29/2020 01:34	WG1534490
4-Chlorotoluene	U		0.000517	0.00574	1	08/29/2020 01:34	WG1534490
1,2-Dibromo-3-Chloropropane	U		0.00448	0.0287	1	08/29/2020 01:34	WG1534490
1,2-Dibromoethane	U		0.000744	0.00287	1	08/29/2020 01:34	WG1534490
Dibromomethane	U		0.000862	0.00574	1	08/29/2020 01:34	WG1534490
1,2-Dichlorobenzene	U		0.000488	0.00574	1	08/29/2020 01:34	WG1534490
1,3-Dichlorobenzene	U		0.000689	0.00574	1	08/29/2020 01:34	WG1534490
1,4-Dichlorobenzene	U		0.000804	0.00574	1	08/29/2020 01:34	WG1534490
Dichlorodifluoromethane	U		0.00185	0.00287	1	08/29/2020 01:34	WG1534490
1,1-Dichloroethane	U	J3	0.000564	0.00287	1	08/29/2020 01:34	WG1534490
1,2-Dichloroethane	U		0.000746	0.00287	1	08/29/2020 01:34	WG1534490
1,1-Dichloroethene	U	J3	0.000696	0.00287	1	08/29/2020 01:34	WG1534490
cis-1,2-Dichloroethene	U		0.000843	0.00287	1	08/29/2020 01:34	WG1534490
trans-1,2-Dichloroethene	U	J3	0.00119	0.00574	1	08/29/2020 01:34	WG1534490
1,2-Dichloropropane	U		0.00163	0.00574	1	08/29/2020 01:34	WG1534490
1,1-Dichloropropene	U		0.000929	0.00287	1	08/29/2020 01:34	WG1534490
1,3-Dichloropropane	U		0.000576	0.00574	1	08/29/2020 01:34	WG1534490
cis-1,3-Dichloropropene	U		0.000870	0.00287	1	08/29/2020 01:34	WG1534490
trans-1,3-Dichloropropene	U		0.00131	0.00574	1	08/29/2020 01:34	WG1534490
trans-1,4-Dichloro-2-butene	U		0.00214	0.00574	1	08/29/2020 01:34	WG1534490
2,2-Dichloropropane	U		0.00159	0.00287	1	08/29/2020 01:34	WG1534490
Di-isopropyl ether	U		0.000471	0.00115	1	08/29/2020 01:34	WG1534490
Ethylbenzene	U		0.000847	0.00287	1	08/29/2020 01:34	WG1534490
Hexachloro-1,3-butadiene	U	J3	0.00689	0.0287	1	08/29/2020 01:34	WG1534490
2-Hexanone	U		0.00386	0.0287	1	08/29/2020 01:34	WG1534490
n-Hexane	0.00335	J	0.00260	0.00574	1	08/29/2020 01:34	WG1534490
Iodomethane	U	J3	0.00267	0.0144	1	08/29/2020 01:34	WG1534490
Isopropylbenzene	U	J3	0.000488	0.00287	1	08/29/2020 01:34	WG1534490
p-Isopropyltoluene	U	J3	0.00293	0.00574	1	08/29/2020 01:34	WG1534490
2-Butanone (MEK)	U		0.0729	0.115	1	08/29/2020 01:34	WG1534490
Methylene Chloride	U	J3	0.00763	0.0287	1	08/29/2020 01:34	WG1534490
4-Methyl-2-pentanone (MIBK)	U		0.00262	0.0287	1	08/29/2020 01:34	WG1534490

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		0.000402	0.00115	1	08/29/2020 01:34	WG1534490
Naphthalene	U	J0	0.00561	0.0144	1	08/29/2020 01:34	WG1534490
n-Propylbenzene	U	J3	0.00109	0.00574	1	08/29/2020 01:34	WG1534490
Styrene	U	J3	0.000263	0.0144	1	08/29/2020 01:34	WG1534490
1,1,1,2-Tetrachloroethane	U		0.00109	0.00287	1	08/29/2020 01:34	WG1534490
1,1,2,2-Tetrachloroethane	U		0.000798	0.00287	1	08/29/2020 01:34	WG1534490
1,1,2-Trichlorotrifluoroethane	U		0.000866	0.00287	1	08/29/2020 01:34	WG1534490
Tetrachloroethene	0.0173		0.00103	0.00287	1	08/29/2020 01:34	WG1534490
Toluene	0.00304	J	0.00149	0.00574	1	08/29/2020 01:34	WG1534490
1,2,3-Trichlorobenzene	U	J0	0.00842	0.0144	1	08/29/2020 01:34	WG1534490
1,2,4-Trichlorobenzene	U		0.00505	0.0144	1	08/29/2020 01:34	WG1534490
1,1,1-Trichloroethane	U	J3	0.00106	0.00287	1	08/29/2020 01:34	WG1534490
1,1,2-Trichloroethane	U		0.000686	0.00287	1	08/29/2020 01:34	WG1534490
Trichloroethene	U		0.000671	0.00115	1	08/29/2020 01:34	WG1534490
Trichlorofluoromethane	U	J3	0.000950	0.00287	1	08/29/2020 01:34	WG1534490
1,2,3-Trichloropropane	U		0.00186	0.0144	1	08/29/2020 01:34	WG1534490
1,2,4-Trimethylbenzene	U	J3	0.00181	0.00574	1	08/29/2020 01:34	WG1534490
1,2,3-Trimethylbenzene	U		0.00181	0.00574	1	08/29/2020 01:34	WG1534490
1,3,5-Trimethylbenzene	U	J3	0.00230	0.00574	1	08/29/2020 01:34	WG1534490
Vinyl acetate	U		0.00292	0.0144	1	08/29/2020 01:34	WG1534490
Vinyl chloride	U		0.00133	0.00287	1	08/29/2020 01:34	WG1534490
Xylenes, Total	0.00137	J J3	0.00101	0.00747	1	08/29/2020 01:34	WG1534490
(S) Toluene-d8	*92.6*			*75.0-131*		*08/29/2020 01:34*	WG1534490
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*08/29/2020 01:34*	WG1534490
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*		*08/29/2020 01:34*	WG1534490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.5		1	08/31/2020 14:00	WG1534426

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	J3	0.0417	0.0571	1	08/29/2020 22:56	WG1534818
Acrylonitrile	U	J3	0.00413	0.0143	1	08/29/2020 22:56	WG1534818
Benzene	0.00117		0.000534	0.00114	1	08/29/2020 22:56	WG1534818
Bromobenzene	U		0.00103	0.0143	1	08/29/2020 22:56	WG1534818
Bromodichloromethane	U		0.000828	0.00286	1	08/29/2020 22:56	WG1534818
Bromochloromethane	U		0.000645	0.00571	1	08/29/2020 22:56	WG1534818
Bromoform	U		0.00134	0.0286	1	08/29/2020 22:56	WG1534818
Bromomethane	U		0.00225	0.0143	1	08/29/2020 22:56	WG1534818
n-Butylbenzene	U		0.00600	0.0143	1	08/29/2020 22:56	WG1534818
sec-Butylbenzene	U		0.00329	0.0143	1	08/29/2020 22:56	WG1534818
tert-Butylbenzene	U		0.00223	0.00571	1	08/29/2020 22:56	WG1534818
Carbon disulfide	U		0.000800	0.0143	1	08/29/2020 22:56	WG1534818
Carbon tetrachloride	U		0.00103	0.00571	1	08/29/2020 22:56	WG1534818
Chlorobenzene	U		0.000240	0.00286	1	08/29/2020 22:56	WG1534818
Chlorodibromomethane	U		0.000699	0.00286	1	08/29/2020 22:56	WG1534818
Chloroethane	U		0.00194	0.00571	1	08/29/2020 22:56	WG1534818
Chloroform	U		0.00118	0.00286	1	08/29/2020 22:56	WG1534818
Chloromethane	U		0.00497	0.0143	1	08/29/2020 22:56	WG1534818
2-Chlorotoluene	U		0.000988	0.00286	1	08/29/2020 22:56	WG1534818
4-Chlorotoluene	U		0.000514	0.00571	1	08/29/2020 22:56	WG1534818
1,2-Dibromo-3-Chloropropane	U		0.00446	0.0286	1	08/29/2020 22:56	WG1534818
1,2-Dibromoethane	U		0.000740	0.00286	1	08/29/2020 22:56	WG1534818
Dibromomethane	U		0.000857	0.00571	1	08/29/2020 22:56	WG1534818
1,2-Dichlorobenzene	U		0.000486	0.00571	1	08/29/2020 22:56	WG1534818
1,3-Dichlorobenzene	U		0.000686	0.00571	1	08/29/2020 22:56	WG1534818
1,4-Dichlorobenzene	U		0.000800	0.00571	1	08/29/2020 22:56	WG1534818
Dichlorodifluoromethane	U		0.00184	0.00286	1	08/29/2020 22:56	WG1534818
1,1-Dichloroethane	U		0.000561	0.00286	1	08/29/2020 22:56	WG1534818
1,2-Dichloroethane	U		0.000742	0.00286	1	08/29/2020 22:56	WG1534818
1,1-Dichloroethene	U		0.000692	0.00286	1	08/29/2020 22:56	WG1534818
cis-1,2-Dichloroethene	U		0.000839	0.00286	1	08/29/2020 22:56	WG1534818
trans-1,2-Dichloroethene	U		0.00119	0.00571	1	08/29/2020 22:56	WG1534818
1,2-Dichloropropane	U		0.00162	0.00571	1	08/29/2020 22:56	WG1534818
1,1-Dichloropropene	U		0.000924	0.00286	1	08/29/2020 22:56	WG1534818
1,3-Dichloropropane	U		0.000573	0.00571	1	08/29/2020 22:56	WG1534818
cis-1,3-Dichloropropene	U		0.000865	0.00286	1	08/29/2020 22:56	WG1534818
trans-1,3-Dichloropropene	U		0.00130	0.00571	1	08/29/2020 22:56	WG1534818
trans-1,4-Dichloro-2-butene	U		0.00213	0.00571	1	08/29/2020 22:56	WG1534818
2,2-Dichloropropane	U		0.00158	0.00286	1	08/29/2020 22:56	WG1534818
Di-isopropyl ether	U		0.000469	0.00114	1	08/29/2020 22:56	WG1534818
Ethylbenzene	U		0.000842	0.00286	1	08/29/2020 22:56	WG1534818
Hexachloro-1,3-butadiene	U		0.00686	0.0286	1	08/29/2020 22:56	WG1534818
2-Hexanone	U		0.00384	0.0286	1	08/29/2020 22:56	WG1534818
n-Hexane	0.00429	J	0.00258	0.00571	1	08/29/2020 22:56	WG1534818
Iodomethane	U		0.00265	0.0143	1	08/29/2020 22:56	WG1534818
Isopropylbenzene	U		0.000486	0.00286	1	08/29/2020 22:56	WG1534818
p-Isopropyltoluene	U		0.00291	0.00571	1	08/29/2020 22:56	WG1534818
2-Butanone (MEK)	U		0.0726	0.114	1	08/29/2020 22:56	WG1534818
Methylene Chloride	U		0.00759	0.0286	1	08/29/2020 22:56	WG1534818
4-Methyl-2-pentanone (MIBK)	U		0.00261	0.0286	1	08/29/2020 22:56	WG1534818

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		0.000400	0.00114	1	08/29/2020 22:56	WG1534818
Naphthalene	0.00999	B J	0.00558	0.0143	1	08/29/2020 22:56	WG1534818
n-Propylbenzene	U		0.00109	0.00571	1	08/29/2020 22:56	WG1534818
Styrene	U		0.000262	0.0143	1	08/29/2020 22:56	WG1534818
1,1,1,2-Tetrachloroethane	U	J0	0.00108	0.00286	1	08/29/2020 22:56	WG1534818
1,1,2,2-Tetrachloroethane	U		0.000794	0.00286	1	08/29/2020 22:56	WG1534818
1,1,2-Trichlorotrifluoroethane	U		0.000862	0.00286	1	08/29/2020 22:56	WG1534818
Tetrachloroethene	0.0181		0.00102	0.00286	1	08/29/2020 22:56	WG1534818
Toluene	0.00320	J	0.00149	0.00571	1	08/29/2020 22:56	WG1534818
1,2,3-Trichlorobenzene	U	J0	0.00838	0.0143	1	08/29/2020 22:56	WG1534818
1,2,4-Trichlorobenzene	U	J0	0.00503	0.0143	1	08/29/2020 22:56	WG1534818
1,1,1-Trichloroethane	U		0.00105	0.00286	1	08/29/2020 22:56	WG1534818
1,1,2-Trichloroethane	U		0.000682	0.00286	1	08/29/2020 22:56	WG1534818
Trichloroethene	U		0.000667	0.00114	1	08/29/2020 22:56	WG1534818
Trichlorofluoromethane	U		0.000945	0.00286	1	08/29/2020 22:56	WG1534818
1,2,3-Trichloropropane	U		0.00185	0.0143	1	08/29/2020 22:56	WG1534818
1,2,4-Trimethylbenzene	U		0.00181	0.00571	1	08/29/2020 22:56	WG1534818
1,2,3-Trimethylbenzene	U		0.00181	0.00571	1	08/29/2020 22:56	WG1534818
1,3,5-Trimethylbenzene	U		0.00229	0.00571	1	08/29/2020 22:56	WG1534818
Vinyl acetate	U		0.00290	0.0143	1	08/29/2020 22:56	WG1534818
Vinyl chloride	U		0.00133	0.00286	1	08/29/2020 22:56	WG1534818
Xylenes, Total	0.00179	J	0.00101	0.00743	1	08/29/2020 22:56	WG1534818
(S) Toluene-d8	*92.0*			*75.0-131*		*08/29/2020 22:56*	WG1534818
(S) 4-Bromofluorobenzene	*95.8*			*67.0-138*		*08/29/2020 22:56*	WG1534818
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*08/29/2020 22:56*	WG1534818

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.8		1	08/31/2020 14:00	WG1534426

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	J3	0.0386	0.0528	1.01	08/29/2020 23:15	WG1534818
Acrylonitrile	U	J3	0.00381	0.0132	1.01	08/29/2020 23:15	WG1534818
Benzene	U		0.000493	0.00106	1.01	08/29/2020 23:15	WG1534818
Bromobenzene	U		0.000950	0.0132	1.01	08/29/2020 23:15	WG1534818
Bromodichloromethane	U		0.000765	0.00264	1.01	08/29/2020 23:15	WG1534818
Bromochloromethane	U		0.000596	0.00528	1.01	08/29/2020 23:15	WG1534818
Bromoform	U		0.00123	0.0264	1.01	08/29/2020 23:15	WG1534818
Bromomethane	U		0.00208	0.0132	1.01	08/29/2020 23:15	WG1534818
n-Butylbenzene	U		0.00554	0.0132	1.01	08/29/2020 23:15	WG1534818
sec-Butylbenzene	U		0.00304	0.0132	1.01	08/29/2020 23:15	WG1534818
tert-Butylbenzene	U		0.00206	0.00528	1.01	08/29/2020 23:15	WG1534818
Carbon disulfide	U		0.000739	0.0132	1.01	08/29/2020 23:15	WG1534818
Carbon tetrachloride	U		0.000948	0.00528	1.01	08/29/2020 23:15	WG1534818
Chlorobenzene	U		0.000222	0.00264	1.01	08/29/2020 23:15	WG1534818
Chlorodibromomethane	U		0.000646	0.00264	1.01	08/29/2020 23:15	WG1534818
Chloroethane	U		0.00180	0.00528	1.01	08/29/2020 23:15	WG1534818
Chloroform	U		0.00109	0.00264	1.01	08/29/2020 23:15	WG1534818
Chloromethane	U		0.00459	0.0132	1.01	08/29/2020 23:15	WG1534818
2-Chlorotoluene	U		0.000913	0.00264	1.01	08/29/2020 23:15	WG1534818
4-Chlorotoluene	U		0.000475	0.00528	1.01	08/29/2020 23:15	WG1534818
1,2-Dibromo-3-Chloropropane	U		0.00412	0.0264	1.01	08/29/2020 23:15	WG1534818
1,2-Dibromoethane	U		0.000683	0.00264	1.01	08/29/2020 23:15	WG1534818
Dibromomethane	U		0.000791	0.00528	1.01	08/29/2020 23:15	WG1534818
1,2-Dichlorobenzene	U		0.000448	0.00528	1.01	08/29/2020 23:15	WG1534818
1,3-Dichlorobenzene	U		0.000633	0.00528	1.01	08/29/2020 23:15	WG1534818
1,4-Dichlorobenzene	U		0.000739	0.00528	1.01	08/29/2020 23:15	WG1534818
Dichlorodifluoromethane	U		0.00170	0.00264	1.01	08/29/2020 23:15	WG1534818
1,1-Dichloroethane	U		0.000518	0.00264	1.01	08/29/2020 23:15	WG1534818
1,2-Dichloroethane	U		0.000684	0.00264	1.01	08/29/2020 23:15	WG1534818
1,1-Dichloroethene	U		0.000639	0.00264	1.01	08/29/2020 23:15	WG1534818
cis-1,2-Dichloroethene	U		0.000774	0.00264	1.01	08/29/2020 23:15	WG1534818
trans-1,2-Dichloroethene	U		0.00110	0.00528	1.01	08/29/2020 23:15	WG1534818
1,2-Dichloropropane	U		0.00149	0.00528	1.01	08/29/2020 23:15	WG1534818
1,1-Dichloropropene	U		0.000854	0.00264	1.01	08/29/2020 23:15	WG1534818
1,3-Dichloropropane	U		0.000529	0.00528	1.01	08/29/2020 23:15	WG1534818
cis-1,3-Dichloropropene	U		0.000799	0.00264	1.01	08/29/2020 23:15	WG1534818
trans-1,3-Dichloropropene	U		0.00120	0.00528	1.01	08/29/2020 23:15	WG1534818
trans-1,4-Dichloro-2-butene	U		0.00196	0.00528	1.01	08/29/2020 23:15	WG1534818
2,2-Dichloropropane	U		0.00145	0.00264	1.01	08/29/2020 23:15	WG1534818
Di-isopropyl ether	U		0.000433	0.00106	1.01	08/29/2020 23:15	WG1534818
Ethylbenzene	U		0.000777	0.00264	1.01	08/29/2020 23:15	WG1534818
Hexachloro-1,3-butadiene	U		0.00633	0.0264	1.01	08/29/2020 23:15	WG1534818
2-Hexanone	U		0.00354	0.0264	1.01	08/29/2020 23:15	WG1534818
n-Hexane	U		0.00238	0.00528	1.01	08/29/2020 23:15	WG1534818
Iodomethane	U		0.00244	0.0132	1.01	08/29/2020 23:15	WG1534818
Isopropylbenzene	U		0.000448	0.00264	1.01	08/29/2020 23:15	WG1534818
p-Isopropyltoluene	U		0.00270	0.00528	1.01	08/29/2020 23:15	WG1534818
2-Butanone (MEK)	U		0.0670	0.106	1.01	08/29/2020 23:15	WG1534818
Methylene Chloride	U		0.00701	0.0264	1.01	08/29/2020 23:15	WG1534818
4-Methyl-2-pentanone (MIBK)	U		0.00240	0.0264	1.01	08/29/2020 23:15	WG1534818

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		0.000369	0.00106	1.01	08/29/2020 23:15	WG1534818
Naphthalene	0.0322	B	0.00515	0.0132	1.01	08/29/2020 23:15	WG1534818
n-Propylbenzene	U		0.00100	0.00528	1.01	08/29/2020 23:15	WG1534818
Styrene	U		0.000241	0.0132	1.01	08/29/2020 23:15	WG1534818
1,1,1,2-Tetrachloroethane	U	J0	0.00100	0.00264	1.01	08/29/2020 23:15	WG1534818
1,1,2,2-Tetrachloroethane	U		0.000733	0.00264	1.01	08/29/2020 23:15	WG1534818
1,1,2-Trichlorotrifluoroethane	U		0.000796	0.00264	1.01	08/29/2020 23:15	WG1534818
Tetrachloroethene	U		0.000946	0.00264	1.01	08/29/2020 23:15	WG1534818
Toluene	0.00208	J	0.00137	0.00528	1.01	08/29/2020 23:15	WG1534818
1,2,3-Trichlorobenzene	U	J0	0.00773	0.0132	1.01	08/29/2020 23:15	WG1534818
1,2,4-Trichlorobenzene	U	J0	0.00464	0.0132	1.01	08/29/2020 23:15	WG1534818
1,1,1-Trichloroethane	U		0.000974	0.00264	1.01	08/29/2020 23:15	WG1534818
1,1,2-Trichloroethane	U		0.000630	0.00264	1.01	08/29/2020 23:15	WG1534818
Trichloroethene	U		0.000616	0.00106	1.01	08/29/2020 23:15	WG1534818
Trichlorofluoromethane	U		0.000872	0.00264	1.01	08/29/2020 23:15	WG1534818
1,2,3-Trichloropropane	U		0.00171	0.0132	1.01	08/29/2020 23:15	WG1534818
1,2,4-Trimethylbenzene	U		0.00167	0.00528	1.01	08/29/2020 23:15	WG1534818
1,2,3-Trimethylbenzene	U		0.00167	0.00528	1.01	08/29/2020 23:15	WG1534818
1,3,5-Trimethylbenzene	U		0.00211	0.00528	1.01	08/29/2020 23:15	WG1534818
Vinyl acetate	U		0.00269	0.0132	1.01	08/29/2020 23:15	WG1534818
Vinyl chloride	U		0.00122	0.00264	1.01	08/29/2020 23:15	WG1534818
Xylenes, Total	0.00343	J	0.000929	0.00685	1.01	08/29/2020 23:15	WG1534818
(S) Toluene-d8	*91.9*			*75.0-131*		*08/29/2020 23:15*	WG1534818
(S) 4-Bromofluorobenzene	*98.1*			*67.0-138*		*08/29/2020 23:15*	WG1534818
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*08/29/2020 23:15*	WG1534818

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.1		1	08/31/2020 14:00	WG1534426

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	0.0541	J J3	0.0464	0.0635	1.18	08/29/2020 23:34	WG1534818
Acrylonitrile	U	J3	0.00458	0.0158	1.18	08/29/2020 23:34	WG1534818
Benzene	0.00403		0.000593	0.00127	1.18	08/29/2020 23:34	WG1534818
Bromobenzene	U		0.00114	0.0158	1.18	08/29/2020 23:34	WG1534818
Bromodichloromethane	U		0.000921	0.00317	1.18	08/29/2020 23:34	WG1534818
Bromochloromethane	U		0.000716	0.00635	1.18	08/29/2020 23:34	WG1534818
Bromoform	U		0.00148	0.0317	1.18	08/29/2020 23:34	WG1534818
Bromomethane	U		0.00250	0.0158	1.18	08/29/2020 23:34	WG1534818
n-Butylbenzene	U		0.00666	0.0158	1.18	08/29/2020 23:34	WG1534818
sec-Butylbenzene	U		0.00366	0.0158	1.18	08/29/2020 23:34	WG1534818
tert-Butylbenzene	U		0.00247	0.00635	1.18	08/29/2020 23:34	WG1534818
Carbon disulfide	U		0.000888	0.0158	1.18	08/29/2020 23:34	WG1534818
Carbon tetrachloride	U		0.00114	0.00635	1.18	08/29/2020 23:34	WG1534818
Chlorobenzene	U		0.000267	0.00317	1.18	08/29/2020 23:34	WG1534818
Chlorodibromomethane	U		0.000776	0.00317	1.18	08/29/2020 23:34	WG1534818
Chloroethane	U		0.00216	0.00635	1.18	08/29/2020 23:34	WG1534818
Chloroform	U		0.00131	0.00317	1.18	08/29/2020 23:34	WG1534818
Chloromethane	U		0.00552	0.0158	1.18	08/29/2020 23:34	WG1534818
2-Chlorotoluene	U		0.00110	0.00317	1.18	08/29/2020 23:34	WG1534818
4-Chlorotoluene	U		0.000571	0.00635	1.18	08/29/2020 23:34	WG1534818
1,2-Dibromo-3-Chloropropane	U		0.00495	0.0317	1.18	08/29/2020 23:34	WG1534818
1,2-Dibromoethane	U		0.000823	0.00317	1.18	08/29/2020 23:34	WG1534818
Dibromomethane	U		0.000952	0.00635	1.18	08/29/2020 23:34	WG1534818
1,2-Dichlorobenzene	U		0.000540	0.00635	1.18	08/29/2020 23:34	WG1534818
1,3-Dichlorobenzene	U		0.000761	0.00635	1.18	08/29/2020 23:34	WG1534818
1,4-Dichlorobenzene	U		0.000888	0.00635	1.18	08/29/2020 23:34	WG1534818
Dichlorodifluoromethane	U		0.00204	0.00317	1.18	08/29/2020 23:34	WG1534818
1,1-Dichloroethane	U		0.000623	0.00317	1.18	08/29/2020 23:34	WG1534818
1,2-Dichloroethane	U		0.000824	0.00317	1.18	08/29/2020 23:34	WG1534818
1,1-Dichloroethene	U		0.000769	0.00317	1.18	08/29/2020 23:34	WG1534818
cis-1,2-Dichloroethene	U		0.000931	0.00317	1.18	08/29/2020 23:34	WG1534818
trans-1,2-Dichloroethene	U		0.00132	0.00635	1.18	08/29/2020 23:34	WG1534818
1,2-Dichloropropane	U		0.00181	0.00635	1.18	08/29/2020 23:34	WG1534818
1,1-Dichloropropene	U		0.00103	0.00317	1.18	08/29/2020 23:34	WG1534818
1,3-Dichloropropane	U		0.000636	0.00635	1.18	08/29/2020 23:34	WG1534818
cis-1,3-Dichloropropene	U		0.000960	0.00317	1.18	08/29/2020 23:34	WG1534818
trans-1,3-Dichloropropene	U		0.00145	0.00635	1.18	08/29/2020 23:34	WG1534818
trans-1,4-Dichloro-2-butene	U		0.00236	0.00635	1.18	08/29/2020 23:34	WG1534818
2,2-Dichloropropane	U		0.00175	0.00317	1.18	08/29/2020 23:34	WG1534818
Di-isopropyl ether	U		0.000521	0.00127	1.18	08/29/2020 23:34	WG1534818
Ethylbenzene	0.00898		0.000936	0.00317	1.18	08/29/2020 23:34	WG1534818
Hexachloro-1,3-butadiene	U		0.00761	0.0317	1.18	08/29/2020 23:34	WG1534818
2-Hexanone	U		0.00426	0.0317	1.18	08/29/2020 23:34	WG1534818
n-Hexane	0.0115		0.00287	0.00635	1.18	08/29/2020 23:34	WG1534818
Iodomethane	U		0.00295	0.0158	1.18	08/29/2020 23:34	WG1534818
Isopropylbenzene	U		0.000540	0.00317	1.18	08/29/2020 23:34	WG1534818
p-Isopropyltoluene	U		0.00324	0.00635	1.18	08/29/2020 23:34	WG1534818
2-Butanone (MEK)	U		0.0806	0.127	1.18	08/29/2020 23:34	WG1534818
Methylene Chloride	U		0.00843	0.0317	1.18	08/29/2020 23:34	WG1534818
4-Methyl-2-pentanone (MIBK)	U		0.00289	0.0317	1.18	08/29/2020 23:34	WG1534818

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	0.000635	J	0.000444	0.00127	1.18	08/29/2020 23:34	WG1534818
Naphthalene	0.0404	B	0.00619	0.0158	1.18	08/29/2020 23:34	WG1534818
n-Propylbenzene	0.00156	J	0.00120	0.00635	1.18	08/29/2020 23:34	WG1534818
Styrene	0.00120	J	0.000290	0.0158	1.18	08/29/2020 23:34	WG1534818
1,1,1,2-Tetrachloroethane	U	J0	0.00120	0.00317	1.18	08/29/2020 23:34	WG1534818
1,1,2,2-Tetrachloroethane	U		0.000882	0.00317	1.18	08/29/2020 23:34	WG1534818
1,1,2-Trichlorotrifluoroethane	U		0.000957	0.00317	1.18	08/29/2020 23:34	WG1534818
Tetrachloroethene	0.00352		0.00114	0.00317	1.18	08/29/2020 23:34	WG1534818
Toluene	0.0757		0.00165	0.00635	1.18	08/29/2020 23:34	WG1534818
1,2,3-Trichlorobenzene	U	J0	0.00930	0.0158	1.18	08/29/2020 23:34	WG1534818
1,2,4-Trichlorobenzene	U	J0	0.00558	0.0158	1.18	08/29/2020 23:34	WG1534818
1,1,1-Trichloroethane	U		0.00117	0.00317	1.18	08/29/2020 23:34	WG1534818
1,1,2-Trichloroethane	U		0.000757	0.00317	1.18	08/29/2020 23:34	WG1534818
Trichloroethene	U		0.000741	0.00127	1.18	08/29/2020 23:34	WG1534818
Trichlorofluoromethane	U		0.00105	0.00317	1.18	08/29/2020 23:34	WG1534818
1,2,3-Trichloropropane	U		0.00205	0.0158	1.18	08/29/2020 23:34	WG1534818
1,2,4-Trimethylbenzene	0.00835		0.00200	0.00635	1.18	08/29/2020 23:34	WG1534818
1,2,3-Trimethylbenzene	0.00280	J	0.00200	0.00635	1.18	08/29/2020 23:34	WG1534818
1,3,5-Trimethylbenzene	0.00254	J	0.00254	0.00635	1.18	08/29/2020 23:34	WG1534818
Vinyl acetate	U		0.00323	0.0158	1.18	08/29/2020 23:34	WG1534818
Vinyl chloride	U		0.00147	0.00317	1.18	08/29/2020 23:34	WG1534818
Xylenes, Total	0.0430		0.00112	0.00825	1.18	08/29/2020 23:34	WG1534818
(S) Toluene-d8	*93.8*			*75.0-131*		*08/29/2020 23:34*	WG1534818
(S) 4-Bromofluorobenzene	*96.4*			*67.0-138*		*08/29/2020 23:34*	WG1534818
(S) 1,2-Dichloroethane-d4	*92.5*			*70.0-130*		*08/29/2020 23:34*	WG1534818

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	08/31/2020 14:00	WG1534426

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	J3	0.0428	0.0586	1	08/29/2020 23:53	WG1534818
Acrylonitrile	U	J3	0.00423	0.0146	1	08/29/2020 23:53	WG1534818
Benzene	U		0.000547	0.00117	1	08/29/2020 23:53	WG1534818
Bromobenzene	U		0.00105	0.0146	1	08/29/2020 23:53	WG1534818
Bromodichloromethane	U		0.000850	0.00293	1	08/29/2020 23:53	WG1534818
Bromochloromethane	U		0.000661	0.00586	1	08/29/2020 23:53	WG1534818
Bromoform	U		0.00137	0.0293	1	08/29/2020 23:53	WG1534818
Bromomethane	U		0.00231	0.0146	1	08/29/2020 23:53	WG1534818
n-Butylbenzene	U		0.00615	0.0146	1	08/29/2020 23:53	WG1534818
sec-Butylbenzene	U		0.00338	0.0146	1	08/29/2020 23:53	WG1534818
tert-Butylbenzene	U		0.00229	0.00586	1	08/29/2020 23:53	WG1534818
Carbon disulfide	U		0.000820	0.0146	1	08/29/2020 23:53	WG1534818
Carbon tetrachloride	U		0.00105	0.00586	1	08/29/2020 23:53	WG1534818
Chlorobenzene	U		0.000246	0.00293	1	08/29/2020 23:53	WG1534818
Chlorodibromomethane	U		0.000717	0.00293	1	08/29/2020 23:53	WG1534818
Chloroethane	U		0.00199	0.00586	1	08/29/2020 23:53	WG1534818
Chloroform	U		0.00121	0.00293	1	08/29/2020 23:53	WG1534818
Chloromethane	U		0.00510	0.0146	1	08/29/2020 23:53	WG1534818
2-Chlorotoluene	U		0.00101	0.00293	1	08/29/2020 23:53	WG1534818
4-Chlorotoluene	U		0.000527	0.00586	1	08/29/2020 23:53	WG1534818
1,2-Dibromo-3-Chloropropane	U		0.00457	0.0293	1	08/29/2020 23:53	WG1534818
1,2-Dibromoethane	U		0.000759	0.00293	1	08/29/2020 23:53	WG1534818
Dibromomethane	U		0.000879	0.00586	1	08/29/2020 23:53	WG1534818
1,2-Dichlorobenzene	U		0.000498	0.00586	1	08/29/2020 23:53	WG1534818
1,3-Dichlorobenzene	U		0.000703	0.00586	1	08/29/2020 23:53	WG1534818
1,4-Dichlorobenzene	U		0.000820	0.00586	1	08/29/2020 23:53	WG1534818
Dichlorodifluoromethane	U		0.00189	0.00293	1	08/29/2020 23:53	WG1534818
1,1-Dichloroethane	U		0.000575	0.00293	1	08/29/2020 23:53	WG1534818
1,2-Dichloroethane	U		0.000761	0.00293	1	08/29/2020 23:53	WG1534818
1,1-Dichloroethene	U		0.000710	0.00293	1	08/29/2020 23:53	WG1534818
cis-1,2-Dichloroethene	U		0.000860	0.00293	1	08/29/2020 23:53	WG1534818
trans-1,2-Dichloroethene	U		0.00122	0.00586	1	08/29/2020 23:53	WG1534818
1,2-Dichloropropane	U		0.00166	0.00586	1	08/29/2020 23:53	WG1534818
1,1-Dichloropropene	U		0.000948	0.00293	1	08/29/2020 23:53	WG1534818
1,3-Dichloropropane	U		0.000587	0.00586	1	08/29/2020 23:53	WG1534818
cis-1,3-Dichloropropene	U		0.000887	0.00293	1	08/29/2020 23:53	WG1534818
trans-1,3-Dichloropropene	U		0.00134	0.00586	1	08/29/2020 23:53	WG1534818
trans-1,4-Dichloro-2-butene	U		0.00218	0.00586	1	08/29/2020 23:53	WG1534818
2,2-Dichloropropane	U		0.00162	0.00293	1	08/29/2020 23:53	WG1534818
Di-isopropyl ether	U		0.000480	0.00117	1	08/29/2020 23:53	WG1534818
Ethylbenzene	U		0.000864	0.00293	1	08/29/2020 23:53	WG1534818
Hexachloro-1,3-butadiene	U		0.00703	0.0293	1	08/29/2020 23:53	WG1534818
2-Hexanone	U		0.00394	0.0293	1	08/29/2020 23:53	WG1534818
n-Hexane	U		0.00265	0.00586	1	08/29/2020 23:53	WG1534818
Iodomethane	U		0.00272	0.0146	1	08/29/2020 23:53	WG1534818
Isopropylbenzene	U		0.000498	0.00293	1	08/29/2020 23:53	WG1534818
p-Isopropyltoluene	U		0.00299	0.00586	1	08/29/2020 23:53	WG1534818
2-Butanone (MEK)	U		0.0744	0.117	1	08/29/2020 23:53	WG1534818
Methylene Chloride	U		0.00778	0.0293	1	08/29/2020 23:53	WG1534818
4-Methyl-2-pentanone (MIBK)	U		0.00267	0.0293	1	08/29/2020 23:53	WG1534818

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	08/29/2020 23:53	WG1534818
Naphthalene	0.0268	B	0.00572	0.0146	1	08/29/2020 23:53	WG1534818
n-Propylbenzene	U		0.00111	0.00586	1	08/29/2020 23:53	WG1534818
Styrene	U		0.000268	0.0146	1	08/29/2020 23:53	WG1534818
1,1,1,2-Tetrachloroethane	U	J0	0.00111	0.00293	1	08/29/2020 23:53	WG1534818
1,1,2,2-Tetrachloroethane	U		0.000814	0.00293	1	08/29/2020 23:53	WG1534818
1,1,2-Trichlorotrifluoroethane	U		0.000884	0.00293	1	08/29/2020 23:53	WG1534818
Tetrachloroethene	0.0162		0.00105	0.00293	1	08/29/2020 23:53	WG1534818
Toluene	U		0.00152	0.00586	1	08/29/2020 23:53	WG1534818
1,2,3-Trichlorobenzene	U	J0	0.00859	0.0146	1	08/29/2020 23:53	WG1534818
1,2,4-Trichlorobenzene	U	J0	0.00516	0.0146	1	08/29/2020 23:53	WG1534818
1,1,1-Trichloroethane	U		0.00108	0.00293	1	08/29/2020 23:53	WG1534818
1,1,2-Trichloroethane	U		0.000700	0.00293	1	08/29/2020 23:53	WG1534818
Trichloroethene	U		0.000684	0.00117	1	08/29/2020 23:53	WG1534818
Trichlorofluoromethane	U		0.000969	0.00293	1	08/29/2020 23:53	WG1534818
1,2,3-Trichloropropane	U		0.00190	0.0146	1	08/29/2020 23:53	WG1534818
1,2,4-Trimethylbenzene	U		0.00185	0.00586	1	08/29/2020 23:53	WG1534818
1,2,3-Trimethylbenzene	U		0.00185	0.00586	1	08/29/2020 23:53	WG1534818
1,3,5-Trimethylbenzene	U		0.00234	0.00586	1	08/29/2020 23:53	WG1534818
Vinyl acetate	U		0.00298	0.0146	1	08/29/2020 23:53	WG1534818
Vinyl chloride	U		0.00136	0.00293	1	08/29/2020 23:53	WG1534818
Xylenes, Total	0.00214	J	0.00103	0.00762	1	08/29/2020 23:53	WG1534818
(S) Toluene-d8	*92.8*			*75.0-131*		*08/29/2020 23:53*	WG1534818
(S) 4-Bromofluorobenzene	*97.3*			*67.0-138*		*08/29/2020 23:53*	WG1534818
(S) 1,2-Dichloroethane-d4	*94.5*			*70.0-130*		*08/29/2020 23:53*	WG1534818

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0365	0.0500	1	08/30/2020 00:12	WG1534818
Acrylonitrile	U	J3	0.00361	0.0125	1	08/30/2020 00:12	WG1534818
Benzene	U		0.000467	0.00100	1	08/30/2020 00:12	WG1534818
Bromobenzene	U		0.000900	0.0125	1	08/30/2020 00:12	WG1534818
Bromodichloromethane	U		0.000725	0.00250	1	08/30/2020 00:12	WG1534818
Bromoform	U		0.00117	0.0250	1	08/30/2020 00:12	WG1534818
Bromomethane	U		0.00197	0.0125	1	08/30/2020 00:12	WG1534818
n-Butylbenzene	U		0.00525	0.0125	1	08/30/2020 00:12	WG1534818
sec-Butylbenzene	U		0.00288	0.0125	1	08/30/2020 00:12	WG1534818
tert-Butylbenzene	U		0.00195	0.00500	1	08/30/2020 00:12	WG1534818
Carbon tetrachloride	U		0.000898	0.00500	1	08/30/2020 00:12	WG1534818
Chlorobenzene	U		0.000210	0.00250	1	08/30/2020 00:12	WG1534818
Chlorodibromomethane	U		0.000612	0.00250	1	08/30/2020 00:12	WG1534818
Chloroethane	U		0.00170	0.00500	1	08/30/2020 00:12	WG1534818
Chloroform	U		0.00103	0.00250	1	08/30/2020 00:12	WG1534818
Chloromethane	U		0.00435	0.0125	1	08/30/2020 00:12	WG1534818
2-Chlorotoluene	U		0.000865	0.00250	1	08/30/2020 00:12	WG1534818
4-Chlorotoluene	U		0.000450	0.00500	1	08/30/2020 00:12	WG1534818
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250	1	08/30/2020 00:12	WG1534818
1,2-Dibromoethane	U		0.000648	0.00250	1	08/30/2020 00:12	WG1534818
Dibromomethane	U		0.000750	0.00500	1	08/30/2020 00:12	WG1534818
1,2-Dichlorobenzene	U		0.000425	0.00500	1	08/30/2020 00:12	WG1534818
1,3-Dichlorobenzene	U		0.000600	0.00500	1	08/30/2020 00:12	WG1534818
1,4-Dichlorobenzene	U		0.000700	0.00500	1	08/30/2020 00:12	WG1534818
Dichlorodifluoromethane	U		0.00161	0.00250	1	08/30/2020 00:12	WG1534818
1,1-Dichloroethane	U		0.000491	0.00250	1	08/30/2020 00:12	WG1534818
1,2-Dichloroethane	U		0.000649	0.00250	1	08/30/2020 00:12	WG1534818
1,1-Dichloroethene	U		0.000606	0.00250	1	08/30/2020 00:12	WG1534818
cis-1,2-Dichloroethene	U		0.000734	0.00250	1	08/30/2020 00:12	WG1534818
trans-1,2-Dichloroethene	U		0.00104	0.00500	1	08/30/2020 00:12	WG1534818
1,2-Dichloropropane	U		0.00142	0.00500	1	08/30/2020 00:12	WG1534818
1,1-Dichloropropene	U		0.000809	0.00250	1	08/30/2020 00:12	WG1534818
1,3-Dichloropropane	U		0.000501	0.00500	1	08/30/2020 00:12	WG1534818
cis-1,3-Dichloropropene	U		0.000757	0.00250	1	08/30/2020 00:12	WG1534818
trans-1,3-Dichloropropene	U		0.00114	0.00500	1	08/30/2020 00:12	WG1534818
2,2-Dichloropropane	U		0.00138	0.00250	1	08/30/2020 00:12	WG1534818
Di-isopropyl ether	U		0.000410	0.00100	1	08/30/2020 00:12	WG1534818
Ethylbenzene	U		0.000737	0.00250	1	08/30/2020 00:12	WG1534818
Hexachloro-1,3-butadiene	U		0.00600	0.0250	1	08/30/2020 00:12	WG1534818
Isopropylbenzene	U		0.000425	0.00250	1	08/30/2020 00:12	WG1534818
p-Isopropyltoluene	U		0.00255	0.00500	1	08/30/2020 00:12	WG1534818
2-Butanone (MEK)	0.0727	J	0.0635	0.100	1	08/30/2020 00:12	WG1534818
Methylene Chloride	U		0.00664	0.0250	1	08/30/2020 00:12	WG1534818
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250	1	08/30/2020 00:12	WG1534818
Methyl tert-butyl ether	U		0.000350	0.00100	1	08/30/2020 00:12	WG1534818
Naphthalene	0.0347	B	0.00488	0.0125	1	08/30/2020 00:12	WG1534818
n-Propylbenzene	U		0.000950	0.00500	1	08/30/2020 00:12	WG1534818
Styrene	U		0.000229	0.0125	1	08/30/2020 00:12	WG1534818
1,1,1,2-Tetrachloroethane	U	J0	0.000948	0.00250	1	08/30/2020 00:12	WG1534818
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250	1	08/30/2020 00:12	WG1534818
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250	1	08/30/2020 00:12	WG1534818
Tetrachloroethene	U		0.000896	0.00250	1	08/30/2020 00:12	WG1534818
Toluene	0.00290	J	0.00130	0.00500	1	08/30/2020 00:12	WG1534818
1,2,3-Trichlorobenzene	U	J0	0.00733	0.0125	1	08/30/2020 00:12	WG1534818
1,2,4-Trichlorobenzene	U	J0	0.00440	0.0125	1	08/30/2020 00:12	WG1534818
1,1,1-Trichloroethane	U		0.000923	0.00250	1	08/30/2020 00:12	WG1534818

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.000597	0.00250	1	08/30/2020 00:12	WG1534818
Trichloroethene	U		0.000584	0.00100	1	08/30/2020 00:12	WG1534818
Trichlorofluoromethane	U		0.000827	0.00250	1	08/30/2020 00:12	WG1534818
1,2,3-Trichloropropane	U		0.00162	0.0125	1	08/30/2020 00:12	WG1534818
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	08/30/2020 00:12	WG1534818
1,2,3-Trimethylbenzene	U		0.00158	0.00500	1	08/30/2020 00:12	WG1534818
Vinyl chloride	U		0.00116	0.00250	1	08/30/2020 00:12	WG1534818
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	08/30/2020 00:12	WG1534818
Xylenes, Total	0.00188	J	0.000880	0.00650	1	08/30/2020 00:12	WG1534818
(S) Toluene-d8	*92.6*			*75.0-131*		*08/30/2020 00:12*	WG1534818
(S) 4-Bromofluorobenzene	*96.4*			*67.0-138*		*08/30/2020 00:12*	WG1534818
(S) 1,2-Dichloroethane-d4	*92.6*			*70.0-130*		*08/30/2020 00:12*	WG1534818

Method Blank (MB)

(MB) R3565969-1 08/31/20 14:11

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1254737-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1254737-07 08/31/20 14:11 • (DUP) R3565969-3 08/31/20 14:11

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	71.5	71.0	1	0.724		10

Laboratory Control Sample (LCS)

(LCS) R3565969-2 08/31/20 14:11

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) R3565963-1 08/31/20 13:48

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1255238-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1255238-10 08/31/20 13:48 • (DUP) R3565963-3 08/31/20 13:48

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.9	95.1	1	0.256		10

Laboratory Control Sample (LCS)

(LCS) R3565963-2 08/31/20 13:48

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) R3565966-1 08/31/20 14:00

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1255285-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1255285-02 08/31/20 14:00 • (DUP) R3565966-3 08/31/20 14:00

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.3	93.8	1	0.509		10

Laboratory Control Sample (LCS)

(LCS) R3565966-2 08/31/20 14:00

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) R3565317-3 08/28/20 17:59

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) R3565317-3 08/28/20 17:59

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	*93.5*			*75.0-131*
(S) 4-Bromofluorobenzene	*97.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*

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

(LCS) R3565317-1 08/28/20 16:43 • (LCSD) R3565317-2 08/28/20 17:02

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	0.799	0.912	128	146	10.0-160			13.2	31
Acrylonitrile	0.625	0.838	0.821	134	131	45.0-153			2.05	22
Benzene	0.125	0.146	0.121	117	96.8	70.0-123			18.7	20
Bromobenzene	0.125	0.133	0.117	106	93.6	73.0-121			12.8	20
Bromodichloromethane	0.125	0.139	0.118	111	94.4	73.0-121			16.3	20
Bromochloromethane	0.125	0.136	0.113	109	90.4	77.0-128			18.5	20
Bromoform	0.125	0.123	0.108	98.4	86.4	64.0-132			13.0	20
Bromomethane	0.125	0.145	0.116	116	92.8	56.0-147		J3	22.2	20
n-Butylbenzene	0.125	0.131	0.104	105	83.2	68.0-135		J3	23.0	20
sec-Butylbenzene	0.125	0.138	0.111	110	88.8	74.0-130		J3	21.7	20
tert-Butylbenzene	0.125	0.139	0.110	111	88.0	75.0-127		J3	23.3	20
Carbon disulfide	0.125	0.135	0.102	108	81.6	56.0-133		J3	27.8	20
Carbon tetrachloride	0.125	0.146	0.110	117	88.0	66.0-128		J3	28.1	20
Chlorobenzene	0.125	0.136	0.112	109	89.6	76.0-128			19.4	20
Chlorodibromomethane	0.125	0.120	0.103	96.0	82.4	74.0-127			15.2	20
Chloroethane	0.125	0.132	0.107	106	85.6	61.0-134		J3	20.9	20
Chloroform	0.125	0.150	0.121	120	96.8	72.0-123		J3	21.4	20
Chloromethane	0.125	0.133	0.102	106	81.6	51.0-138		J3	26.4	20
2-Chlorotoluene	0.125	0.130	0.111	104	88.8	75.0-124			15.8	20
4-Chlorotoluene	0.125	0.146	0.121	117	96.8	75.0-124			18.7	20
1,2-Dibromo-3-Chloropropane	0.125	0.116	0.114	92.8	91.2	59.0-130			1.74	20
1,2-Dibromoethane	0.125	0.135	0.123	108	98.4	74.0-128			9.30	20
Dibromomethane	0.125	0.141	0.122	113	97.6	75.0-122			14.4	20
1,2-Dichlorobenzene	0.125	0.121	0.102	96.8	81.6	76.0-124			17.0	20
1,3-Dichlorobenzene	0.125	0.131	0.108	105	86.4	76.0-125			19.2	20
1,4-Dichlorobenzene	0.125	0.125	0.105	100	84.0	77.0-121			17.4	20
trans-1,4-Dichloro-2-butene	0.125	0.160	0.146	128	117	45.0-143			9.15	20
Dichlorodifluoromethane	0.125	0.128	0.108	102	86.4	43.0-156			16.9	20
1,1-Dichloroethane	0.125	0.153	0.120	122	96.0	70.0-127		J3	24.2	20
1,2-Dichloroethane	0.125	0.158	0.143	126	114	65.0-131			9.97	20
1,1-Dichloroethene	0.125	0.145	0.111	116	88.8	65.0-131		J3	26.6	20
cis-1,2-Dichloroethene	0.125	0.141	0.118	113	94.4	73.0-125			17.8	20
trans-1,2-Dichloroethene	0.125	0.144	0.105	115	84.0	71.0-125		J3	31.3	20
1,2-Dichloropropane	0.125	0.145	0.129	116	103	74.0-125			11.7	20
1,1-Dichloropropene	0.125	0.140	0.116	112	92.8	73.0-125			18.8	20
1,3-Dichloropropane	0.125	0.134	0.122	107	97.6	80.0-125			9.38	20
cis-1,3-Dichloropropene	0.125	0.154	0.140	123	112	76.0-127			9.52	20
trans-1,3-Dichloropropene	0.125	0.130	0.118	104	94.4	73.0-127			9.68	20
2,2-Dichloropropane	0.125	0.146	0.122	117	97.6	59.0-135			17.9	20
Di-isopropyl ether	0.125	0.150	0.126	120	101	60.0-136			17.4	20

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

(LCS) R3565317-1 08/28/20 16:43 • (LCSD) R3565317-2 08/28/20 17:02

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	0.130	0.108	104	86.4	74.0-126			18.5	20
Hexachloro-1,3-butadiene	0.125	0.118	0.0951	94.4	76.1	57.0-150		J3	21.5	20
2-Hexanone	0.625	0.732	0.706	117	113	54.0-147			3.62	20
n-Hexane	0.125	0.148	0.127	118	102	55.0-137			15.3	20
Iodomethane	0.625	0.690	0.513	110	82.1	74.0-134		J3	29.4	20
Isopropylbenzene	0.125	0.128	0.102	102	81.6	72.0-127		J3	22.6	20
p-Isopropyltoluene	0.125	0.136	0.107	109	85.6	72.0-133		J3	23.9	20
2-Butanone (MEK)	0.625	0.712	0.744	114	119	30.0-160			4.40	24
Methylene Chloride	0.125	0.153	0.119	122	95.2	68.0-123		J3	25.0	20
4-Methyl-2-pentanone (MIBK)	0.625	0.706	0.661	113	106	56.0-143			6.58	20
Methyl tert-butyl ether	0.125	0.153	0.130	122	104	66.0-132			16.3	20
Naphthalene	0.125	0.0947	0.0890	75.8	71.2	59.0-130			6.21	20
n-Propylbenzene	0.125	0.149	0.118	119	94.4	74.0-126		J3	23.2	20
Styrene	0.125	0.125	0.102	100	81.6	72.0-127		J3	20.3	20
1,1,1,2-Tetrachloroethane	0.125	0.118	0.101	94.4	80.8	74.0-129			15.5	20
1,1,2,2-Tetrachloroethane	0.125	0.148	0.126	118	101	68.0-128			16.1	20
Tetrachloroethene	0.125	0.126	0.109	101	87.2	70.0-136			14.5	20
Toluene	0.125	0.127	0.109	102	87.2	75.0-121			15.3	20
1,1,2-Trichlorotrifluoroethane	0.125	0.142	0.117	114	93.6	61.0-139			19.3	20
1,2,3-Trichlorobenzene	0.125	0.0867	0.0811	69.4	64.9	59.0-139			6.67	20
1,2,4-Trichlorobenzene	0.125	0.104	0.0962	83.2	77.0	62.0-137			7.79	20
1,1,1-Trichloroethane	0.125	0.147	0.110	118	88.0	69.0-126		J3	28.8	20
1,1,2-Trichloroethane	0.125	0.128	0.115	102	92.0	78.0-123			10.7	20
Trichloroethene	0.125	0.140	0.122	112	97.6	76.0-126			13.7	20
Trichlorofluoromethane	0.125	0.138	0.0985	110	78.8	61.0-142		J3	33.4	20
1,2,3-Trichloropropane	0.125	0.148	0.137	118	110	67.0-129			7.72	20
1,2,3-Trimethylbenzene	0.125	0.128	0.108	102	86.4	74.0-124			16.9	20
1,2,4-Trimethylbenzene	0.125	0.133	0.108	106	86.4	70.0-126		J3	20.7	20
1,3,5-Trimethylbenzene	0.125	0.140	0.113	112	90.4	73.0-127		J3	21.3	20
Vinyl acetate	0.625	0.647	0.573	104	91.7	43.0-159			12.1	20
Vinyl chloride	0.125	0.120	0.100	96.0	80.0	63.0-134			18.2	20
Xylenes, Total	0.375	0.383	0.289	102	77.1	72.0-127		J3	28.0	20
(S) Toluene-d8				*88.6*	*91.4*	*75.0-131*				
(S) 4-Bromofluorobenzene				*100*	*98.9*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*102*	*104*	*70.0-130*				

L1255575-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1255575-03 08/28/20 20:49 • (MS) R3565317-4 08/29/20 01:53 • (MSD) R3565317-5 08/29/20 02:12

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.340	U	0.169	0.165	49.8	48.5	1	10.0-160			2.76	40
Acrylonitrile	0.340	U	0.350	0.350	103	103	1	10.0-160			0.000	40
Benzene	0.0680	U	0.0725	0.0734	107	108	1	10.0-149			1.26	37
Bromobenzene	0.0680	U	0.0752	0.0759	111	112	1	10.0-156			0.915	38
Bromodichloromethane	0.0680	U	0.0697	0.0698	103	103	1	10.0-143			0.165	37
Bromochloromethane	0.0680	U	0.0654	0.0630	96.3	92.7	1	10.0-155			3.77	33
Bromoform	0.0680	U	0.0587	0.0596	86.4	87.6	1	10.0-146			1.36	36
Bromomethane	0.0680	U	0.0419	0.0402	61.7	59.2	1	10.0-149			4.21	38
n-Butylbenzene	0.0680	U	0.0707	0.0722	104	106	1	10.0-160			2.10	40
sec-Butylbenzene	0.0680	U	0.0738	0.0764	109	112	1	10.0-159			3.37	39
tert-Butylbenzene	0.0680	U	0.0736	0.0759	108	112	1	10.0-156			3.08	39
Carbon disulfide	0.0680	U	0.0556	0.0572	81.9	84.2	1	10.0-145			2.86	39
Carbon tetrachloride	0.0680	U	0.0683	0.0672	101	98.8	1	10.0-145			1.70	37
Chlorobenzene	0.0680	U	0.0676	0.0706	99.5	104	1	10.0-152			4.33	39
Chlorodibromomethane	0.0680	U	0.0600	0.0639	88.3	94.1	1	10.0-146			6.32	37
Chloroethane	0.0680	U	0.0296	0.0309	43.6	45.4	1	10.0-146			4.19	40
Chloroform	0.0680	U	0.0745	0.0727	110	107	1	10.0-146			2.50	37
Chloromethane	0.0680	U	0.0615	0.0582	90.5	85.6	1	10.0-159			5.58	37
2-Chlorotoluene	0.0680	U	0.0676	0.0691	99.5	102	1	10.0-159			2.19	38
4-Chlorotoluene	0.0680	U	0.0766	0.0781	113	115	1	10.0-155			1.94	39
1,2-Dibromo-3-Chloropropane	0.0680	U	0.0478	0.0526	70.3	77.5	1	10.0-151			9.63	39
1,2-Dibromoethane	0.0680	U	0.0682	0.0680	100	100	1	10.0-148			0.338	34
Dibromomethane	0.0680	U	0.0650	0.0692	95.6	102	1	10.0-147			6.35	35
1,2-Dichlorobenzene	0.0680	U	0.0630	0.0655	92.7	96.4	1	10.0-155			3.94	37
1,3-Dichlorobenzene	0.0680	U	0.0690	0.0708	102	104	1	10.0-153			2.64	38
1,4-Dichlorobenzene	0.0680	U	0.0665	0.0674	97.8	99.2	1	10.0-151			1.38	38
trans-1,4-Dichloro-2-butene	0.0680	U	0.0825	0.0839	121	123	1	10.0-152			1.66	36
Dichlorodifluoromethane	0.0680	U	0.0689	0.0655	101	96.4	1	10.0-160			4.97	35
1,1-Dichloroethane	0.0680	U	0.0716	0.0746	105	110	1	10.0-147			4.09	37
1,2-Dichloroethane	0.0680	U	0.0803	0.0816	118	120	1	10.0-148			1.57	35
1,1-Dichloroethene	0.0680	U	0.0712	0.0695	105	102	1	10.0-155			2.46	37
cis-1,2-Dichloroethene	0.0680	U	0.0706	0.0714	104	105	1	10.0-149			1.14	37
trans-1,2-Dichloroethene	0.0680	U	0.0616	0.0632	90.7	93.1	1	10.0-150			2.58	37
1,2-Dichloropropane	0.0680	U	0.0726	0.0741	107	109	1	10.0-148			2.04	37
1,1-Dichloropropene	0.0680	U	0.0704	0.0728	104	107	1	10.0-153			3.38	35
1,3-Dichloropropane	0.0680	U	0.0716	0.0741	105	109	1	10.0-154			3.32	35
cis-1,3-Dichloropropene	0.0680	U	0.0782	0.0796	115	117	1	10.0-151			1.75	37
trans-1,3-Dichloropropene	0.0680	U	0.0701	0.0725	103	107	1	10.0-148			3.23	37
2,2-Dichloropropane	0.0680	U	0.0533	0.0596	78.5	87.6	1	10.0-138			11.0	36

L1255575-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1255575-03 08/28/20 20:49 • (MS) R3565317-4 08/29/20 01:53 • (MSD) R3565317-5 08/29/20 02:12

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0680	U	0.0730	0.0767	107	113	1	10.0-147			4.92	36
Ethylbenzene	0.0680	U	0.0650	0.0676	95.6	99.5	1	10.0-160			4.00	38
Hexachloro-1,3-butadiene	0.0680	U	0.0640	0.0688	94.2	101	1	10.0-160			7.11	40
2-Hexanone	0.340	U	0.317	0.333	93.2	98.0	1	10.0-160			4.96	36
n-Hexane	0.0680	U	0.0771	0.0677	113	99.7	1	10.0-157			12.9	37
Iodomethane	0.340	U	0.0543	0.320	16.0	94.2	1	10.0-160		J3	142	38
Isopropylbenzene	0.0680	U	0.0625	0.0653	92.0	96.1	1	10.0-155			4.32	38
p-Isopropyltoluene	0.0680	U	0.0711	0.0739	105	109	1	10.0-160			3.97	40
2-Butanone (MEK)	0.340	U	0.217	0.221	63.7	65.1	1	10.0-160			2.11	40
Methylene Chloride	0.0680	U	0.0414	0.0440	60.8	64.7	1	10.0-141			6.21	37
4-Methyl-2-pentanone (MIBK)	0.340	U	0.319	0.329	93.9	96.9	1	10.0-160			3.20	35
Methyl tert-butyl ether	0.0680	U	0.0674	0.0711	99.2	105	1	11.0-147			5.32	35
Naphthalene	0.0680	U	0.0475	0.0503	69.8	74.1	1	10.0-160			5.89	36
n-Propylbenzene	0.0680	U	0.0773	0.0783	114	115	1	10.0-158			1.33	38
Styrene	0.0680	U	0.0622	0.0637	91.5	93.7	1	10.0-160			2.38	40
1,1,1,2-Tetrachloroethane	0.0680	U	0.0574	0.0605	84.4	89.0	1	10.0-149			5.28	39
1,1,2,2-Tetrachloroethane	0.0680	U	0.0583	0.0582	85.8	85.6	1	10.0-160			0.198	35
Tetrachloroethene	0.0680	U	0.0651	0.0673	95.8	99.0	1	10.0-156			3.31	39
Toluene	0.0680	U	0.0673	0.0684	99.0	101	1	10.0-156			1.70	38
1,1,2-Trichlorotrifluoroethane	0.0680	U	0.0804	0.0774	118	114	1	10.0-160			3.80	36
1,2,3-Trichlorobenzene	0.0680	U	0.0510	0.0515	75.1	75.8	1	10.0-160			0.899	40
1,2,4-Trichlorobenzene	0.0680	U	0.0589	0.0638	86.6	93.9	1	10.0-160			8.08	40
1,1,1-Trichloroethane	0.0680	U	0.0631	0.0638	92.9	93.9	1	10.0-144			1.09	35
1,1,2-Trichloroethane	0.0680	U	0.0685	0.0708	101	104	1	10.0-160			3.31	35
Trichloroethene	0.0680	U	0.0801	0.0851	118	125	1	10.0-156			6.14	38
Trichlorofluoromethane	0.0680	U	0.0326	0.0399	48.0	58.6	1	10.0-160			20.0	40
1,2,3-Trichloropropane	0.0680	U	0.0714	0.0725	105	107	1	10.0-156			1.44	35
1,2,3-Trimethylbenzene	0.0680	U	0.0660	0.0680	97.1	100	1	10.0-160			2.92	36
1,2,4-Trimethylbenzene	0.0680	U	0.0697	0.0714	103	105	1	10.0-160			2.45	36
1,3,5-Trimethylbenzene	0.0680	U	0.0708	0.0744	104	109	1	10.0-160			4.92	38
Vinyl acetate	0.340	U	0.00916	0.0101	2.69	2.97	1	10.0-128	J6	J6	9.58	40
Vinyl chloride	0.0680	U	0.0592	0.0561	87.1	82.5	1	10.0-160			5.39	37
Xylenes, Total	0.204	U	0.188	0.176	92.1	86.4	1	10.0-160			6.33	38
(S) Toluene-d8					*92.1*	*93.9*		*75.0-131*				
(S) 4-Bromofluorobenzene					*96.5*	*99.3*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*96.5*	*95.2*		*70.0-130*				

Method Blank (MB)

(MB) R3565614-3 08/29/20 21:42

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) R3565614-3 08/29/20 21:42

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	0.00923	J	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	*94.6*			*75.0-131*
(S) 4-Bromofluorobenzene	*95.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*91.4*			*70.0-130*

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

(LCS) R3565614-1 08/29/20 18:57 • (LCSD) R3565614-2 08/29/20 19:16

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	0.635	0.940	102	150	10.0-160		J3	38.7	31
Acrylonitrile	0.625	0.632	0.833	101	133	45.0-153		J3	27.4	22
Benzene	0.125	0.119	0.121	95.2	96.8	70.0-123			1.67	20
Bromobenzene	0.125	0.116	0.116	92.8	92.8	73.0-121			0.000	20
Bromodichloromethane	0.125	0.119	0.117	95.2	93.6	73.0-121			1.69	20
Bromochloromethane	0.125	0.117	0.120	93.6	96.0	77.0-128			2.53	20
Bromoform	0.125	0.106	0.109	84.8	87.2	64.0-132			2.79	20
Bromomethane	0.125	0.118	0.116	94.4	92.8	56.0-147			1.71	20
n-Butylbenzene	0.125	0.109	0.107	87.2	85.6	68.0-135			1.85	20
sec-Butylbenzene	0.125	0.116	0.115	92.8	92.0	74.0-130			0.866	20
tert-Butylbenzene	0.125	0.116	0.114	92.8	91.2	75.0-127			1.74	20
Carbon disulfide	0.125	0.115	0.114	92.0	91.2	56.0-133			0.873	20
Carbon tetrachloride	0.125	0.121	0.119	96.8	95.2	66.0-128			1.67	20
Chlorobenzene	0.125	0.110	0.113	88.0	90.4	76.0-128			2.69	20
Chlorodibromomethane	0.125	0.101	0.104	80.8	83.2	74.0-127			2.93	20
Chloroethane	0.125	0.112	0.115	89.6	92.0	61.0-134			2.64	20
Chloroform	0.125	0.123	0.125	98.4	100	72.0-123			1.61	20
Chloromethane	0.125	0.103	0.105	82.4	84.0	51.0-138			1.92	20
2-Chlorotoluene	0.125	0.109	0.112	87.2	89.6	75.0-124			2.71	20
4-Chlorotoluene	0.125	0.122	0.121	97.6	96.8	75.0-124			0.823	20
1,2-Dibromo-3-Chloropropane	0.125	0.101	0.113	80.8	90.4	59.0-130			11.2	20
1,2-Dibromoethane	0.125	0.113	0.116	90.4	92.8	74.0-128			2.62	20
Dibromomethane	0.125	0.116	0.125	92.8	100	75.0-122			7.47	20
1,2-Dichlorobenzene	0.125	0.104	0.106	83.2	84.8	76.0-124			1.90	20
1,3-Dichlorobenzene	0.125	0.109	0.111	87.2	88.8	76.0-125			1.82	20
1,4-Dichlorobenzene	0.125	0.103	0.106	82.4	84.8	77.0-121			2.87	20
trans-1,4-Dichloro-2-butene	0.125	0.138	0.132	110	106	45.0-143			4.44	20
Dichlorodifluoromethane	0.125	0.123	0.122	98.4	97.6	43.0-156			0.816	20
1,1-Dichloroethane	0.125	0.127	0.127	102	102	70.0-127			0.000	20
1,2-Dichloroethane	0.125	0.137	0.137	110	110	65.0-131			0.000	20
1,1-Dichloroethene	0.125	0.116	0.125	92.8	100	65.0-131			7.47	20
cis-1,2-Dichloroethene	0.125	0.120	0.126	96.0	101	73.0-125			4.88	20
trans-1,2-Dichloroethene	0.125	0.109	0.116	87.2	92.8	71.0-125			6.22	20
1,2-Dichloropropane	0.125	0.122	0.126	97.6	101	74.0-125			3.23	20
1,1-Dichloropropene	0.125	0.119	0.116	95.2	92.8	73.0-125			2.55	20
1,3-Dichloropropane	0.125	0.117	0.117	93.6	93.6	80.0-125			0.000	20
cis-1,3-Dichloropropene	0.125	0.132	0.133	106	106	76.0-127			0.755	20
trans-1,3-Dichloropropene	0.125	0.113	0.112	90.4	89.6	73.0-127			0.889	20
2,2-Dichloropropane	0.125	0.119	0.128	95.2	102	59.0-135			7.29	20
Di-isopropyl ether	0.125	0.127	0.126	102	101	60.0-136			0.791	20

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

(LCS) R3565614-1 08/29/20 18:57 • (LCSD) R3565614-2 08/29/20 19:16

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	0.106	0.110	84.8	88.0	74.0-126			3.70	20
Hexachloro-1,3-butadiene	0.125	0.0998	0.107	79.8	85.6	57.0-150			6.96	20
2-Hexanone	0.625	0.620	0.678	99.2	108	54.0-147			8.94	20
n-Hexane	0.125	0.137	0.128	110	102	55.0-137			6.79	20
Iodomethane	0.625	0.559	0.554	89.4	88.6	74.0-134			0.898	20
Isopropylbenzene	0.125	0.102	0.105	81.6	84.0	72.0-127			2.90	20
p-Isopropyltoluene	0.125	0.112	0.112	89.6	89.6	72.0-133			0.000	20
2-Butanone (MEK)	0.625	0.683	0.736	109	118	30.0-160			7.47	24
Methylene Chloride	0.125	0.128	0.127	102	102	68.0-123			0.784	20
4-Methyl-2-pentanone (MIBK)	0.625	0.597	0.643	95.5	103	56.0-143			7.42	20
Methyl tert-butyl ether	0.125	0.131	0.130	105	104	66.0-132			0.766	20
Naphthalene	0.125	0.138	0.133	110	106	59.0-130			3.69	20
n-Propylbenzene	0.125	0.122	0.120	97.6	96.0	74.0-126			1.65	20
Styrene	0.125	0.102	0.105	81.6	84.0	72.0-127			2.90	20
1,1,1,2-Tetrachloroethane	0.125	0.0984	0.101	78.7	80.8	74.0-129			2.61	20
1,1,2,2-Tetrachloroethane	0.125	0.124	0.130	99.2	104	68.0-128			4.72	20
Tetrachloroethene	0.125	0.103	0.106	82.4	84.8	70.0-136			2.87	20
Toluene	0.125	0.105	0.106	84.0	84.8	75.0-121			0.948	20
1,1,2-Trichlorotrifluoroethane	0.125	0.121	0.123	96.8	98.4	61.0-139			1.64	20
1,2,3-Trichlorobenzene	0.125	0.0770	0.0852	61.6	68.2	59.0-139			10.1	20
1,2,4-Trichlorobenzene	0.125	0.0881	0.0988	70.5	79.0	62.0-137			11.4	20
1,1,1-Trichloroethane	0.125	0.116	0.122	92.8	97.6	69.0-126			5.04	20
1,1,2-Trichloroethane	0.125	0.108	0.113	86.4	90.4	78.0-123			4.52	20
Trichloroethene	0.125	0.118	0.120	94.4	96.0	76.0-126			1.68	20
Trichlorofluoromethane	0.125	0.115	0.115	92.0	92.0	61.0-142			0.000	20
1,2,3-Trichloropropane	0.125	0.123	0.130	98.4	104	67.0-129			5.53	20
1,2,3-Trimethylbenzene	0.125	0.111	0.110	88.8	88.0	74.0-124			0.905	20
1,2,4-Trimethylbenzene	0.125	0.109	0.111	87.2	88.8	70.0-126			1.82	20
1,3,5-Trimethylbenzene	0.125	0.117	0.115	93.6	92.0	73.0-127			1.72	20
Vinyl acetate	0.625	0.542	0.547	86.7	87.5	43.0-159			0.918	20
Vinyl chloride	0.125	0.108	0.0972	86.4	77.8	63.0-134			10.5	20
Xylenes, Total	0.375	0.312	0.295	83.2	78.7	72.0-127			5.60	20
(S) Toluene-d8				*88.1*	*89.4*	*75.0-131*				
(S) 4-Bromofluorobenzene				*98.3*	*101*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*99.3*	*102*	*70.0-130*				

L1254119-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1254119-09 08/30/20 01:48 • (MS) R3565614-4 08/30/20 04:39 • (MSD) R3565614-5 08/30/20 04:58

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.673	U	0.350	0.0842	53.3	12.8	1.05	10.0-160		J3	122	40
Acrylonitrile	0.673	0.00399	0.476	0.588	71.8	88.9	1.05	10.0-160			21.1	40
Benzene	0.134	U	0.144	0.149	110	114	1.05	10.0-149			3.41	37
Bromobenzene	0.134	U	0.148	0.149	113	114	1.05	10.0-156			0.673	38
Bromodichloromethane	0.134	U	0.136	0.140	104	107	1.05	10.0-143			2.90	37
Bromochloromethane	0.134	U	0.127	0.131	96.9	100	1.05	10.0-155			3.10	33
Bromoform	0.134	U	0.116	0.114	88.5	87.0	1.05	10.0-146			1.74	36
Bromomethane	0.134	U	0.0901	0.0933	68.8	71.2	1.05	10.0-149			3.49	38
n-Butylbenzene	0.134	U	0.139	0.142	106	108	1.05	10.0-160			2.14	40
sec-Butylbenzene	0.134	U	0.148	0.147	113	112	1.05	10.0-159			0.678	39
tert-Butylbenzene	0.134	U	0.148	0.151	113	115	1.05	10.0-156			2.01	39
Carbon disulfide	0.134	U	0.142	0.143	108	109	1.05	10.0-145			0.702	39
Carbon tetrachloride	0.134	U	0.131	0.133	100	102	1.05	10.0-145			1.52	37
Chlorobenzene	0.134	U	0.138	0.140	105	107	1.05	10.0-152			1.44	39
Chlorodibromomethane	0.134	U	0.123	0.125	93.9	95.4	1.05	10.0-146			1.61	37
Chloroethane	0.134	U	0.0683	0.0705	52.1	53.8	1.05	10.0-146			3.17	40
Chloroform	0.134	U	0.146	0.146	111	111	1.05	10.0-146			0.000	37
Chloromethane	0.134	U	0.139	0.133	106	102	1.05	10.0-159			4.41	37
2-Chlorotoluene	0.134	U	0.136	0.141	104	108	1.05	10.0-159			3.61	38
4-Chlorotoluene	0.134	U	0.152	0.157	116	120	1.05	10.0-155			3.24	39
1,2-Dibromo-3-Chloropropane	0.134	U	0.100	0.105	76.3	80.2	1.05	10.0-151			4.88	39
1,2-Dibromoethane	0.134	U	0.135	0.142	103	108	1.05	10.0-148			5.05	34
Dibromomethane	0.134	U	0.138	0.140	105	107	1.05	10.0-147			1.44	35
1,2-Dichlorobenzene	0.134	U	0.123	0.127	93.9	96.9	1.05	10.0-155			3.20	37
1,3-Dichlorobenzene	0.134	U	0.132	0.137	101	105	1.05	10.0-153			3.72	38
1,4-Dichlorobenzene	0.134	U	0.128	0.131	97.7	100	1.05	10.0-151			2.32	38
trans-1,4-Dichloro-2-butene	0.134	U	0.159	0.157	121	120	1.05	10.0-152			1.27	36
Dichlorodifluoromethane	0.134	U	0.146	0.152	111	116	1.05	10.0-160			4.03	35
1,1-Dichloroethane	0.134	U	0.141	0.145	108	111	1.05	10.0-147			2.80	37
1,2-Dichloroethane	0.134	U	0.144	0.162	110	124	1.05	10.0-148			11.8	35
1,1-Dichloroethene	0.134	U	0.151	0.151	115	115	1.05	10.0-155			0.000	37
cis-1,2-Dichloroethene	0.134	U	0.142	0.141	108	108	1.05	10.0-149			0.707	37
trans-1,2-Dichloroethene	0.134	U	0.132	0.128	101	97.7	1.05	10.0-150			3.08	37
1,2-Dichloropropane	0.134	0.0296	0.147	0.154	112	118	1.05	10.0-148			4.65	37
1,1-Dichloropropene	0.134	U	0.146	0.152	111	116	1.05	10.0-153			4.03	35
1,3-Dichloropropane	0.134	U	0.143	0.144	109	110	1.05	10.0-154			0.697	35
cis-1,3-Dichloropropene	0.134	U	0.159	0.164	121	125	1.05	10.0-151			3.10	37
trans-1,3-Dichloropropene	0.134	U	0.139	0.145	106	111	1.05	10.0-148			4.23	37
2,2-Dichloropropane	0.134	U	0.112	0.104	85.5	79.4	1.05	10.0-138			7.41	36
Di-isopropyl ether	0.134	U	0.145	0.147	111	112	1.05	10.0-147			1.37	36

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

L1254119-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1254119-09 08/30/20 01:48 • (MS) R3565614-4 08/30/20 04:39 • (MSD) R3565614-5 08/30/20 04:58

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.134	U	0.132	0.134	101	102	1.05	10.0-160			1.50	38
Hexachloro-1,3-butadiene	0.134	U	0.126	0.135	96.2	103	1.05	10.0-160			6.90	40
2-Hexanone	0.673	U	0.643	0.671	97.9	102	1.05	10.0-160			4.26	36
n-Hexane	0.134	U	0.163	0.173	124	132	1.05	10.0-157			5.95	37
Iodomethane	0.673	U	0.0920	0.111	14.0	16.9	1.05	10.0-160			18.7	38
Isopropylbenzene	0.134	U	0.125	0.125	95.4	95.4	1.05	10.0-155			0.000	38
p-Isopropyltoluene	0.134	U	0.146	0.146	111	111	1.05	10.0-160			0.000	40
2-Butanone (MEK)	0.673	U	0.517	0.445	78.7	67.7	1.05	10.0-160			15.0	40
Methylene Chloride	0.134	U	0.0774	0.0701	59.1	53.5	1.05	10.0-141			9.90	37
4-Methyl-2-pentanone (MIBK)	0.673	U	0.646	0.669	98.3	102	1.05	10.0-160			3.50	35
Methyl tert-butyl ether	0.134	U	0.128	0.143	97.7	109	1.05	11.0-147			11.1	35
Naphthalene	0.134	0.00535	0.0952	0.0983	72.7	75.0	1.05	10.0-160			3.20	36
n-Propylbenzene	0.134	U	0.154	0.158	118	121	1.05	10.0-158			2.56	38
Styrene	0.134	U	0.126	0.127	96.2	96.9	1.05	10.0-160			0.791	40
1,1,1,2-Tetrachloroethane	0.134	U	0.117	0.119	89.3	90.8	1.05	10.0-149			1.69	39
1,1,2,2-Tetrachloroethane	0.134	U	0.139	0.138	106	105	1.05	10.0-160			0.722	35
Tetrachloroethene	0.134	U	0.136	0.144	104	110	1.05	10.0-156			5.71	39
Toluene	0.134	U	0.138	0.142	105	108	1.05	10.0-156			2.86	38
1,1,2-Trichlorotrifluoroethane	0.134	U	0.164	0.162	125	124	1.05	10.0-160			1.23	36
1,2,3-Trichlorobenzene	0.134	U	0.0963	0.0986	73.5	75.3	1.05	10.0-160			2.36	40
1,2,4-Trichlorobenzene	0.134	U	0.115	0.116	87.8	88.5	1.05	10.0-160			0.866	40
1,1,1-Trichloroethane	0.134	U	0.125	0.127	95.4	96.9	1.05	10.0-144			1.59	35
1,1,2-Trichloroethane	0.134	U	0.134	0.140	102	107	1.05	10.0-160			4.38	35
Trichloroethene	0.134	U	0.147	0.151	112	115	1.05	10.0-156			2.68	38
Trichlorofluoromethane	0.134	U	0.00921	0.0149	7.03	11.4	1.05	10.0-160	J6	J3	47.2	40
1,2,3-Trichloropropane	0.134	U	0.145	0.150	111	115	1.05	10.0-156			3.39	35
1,2,3-Trimethylbenzene	0.134	U	0.132	0.135	101	103	1.05	10.0-160			2.25	36
1,2,4-Trimethylbenzene	0.134	U	0.137	0.141	105	108	1.05	10.0-160			2.88	36
1,3,5-Trimethylbenzene	0.134	U	0.147	0.149	112	114	1.05	10.0-160			1.35	38
Vinyl acetate	0.673	U	0.194	0.139	29.5	21.2	1.05	10.0-128			33.0	40
Vinyl chloride	0.134	U	0.127	0.131	96.9	100	1.05	10.0-160			3.10	37
Xylenes, Total	0.404	U	0.351	0.396	89.1	101	1.05	10.0-160			12.0	38
(S) Toluene-d8					*93.1*	*92.8*		*75.0-131*				
(S) 4-Bromofluorobenzene					*96.1*	*94.0*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*95.9*	*96.1*		*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.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

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

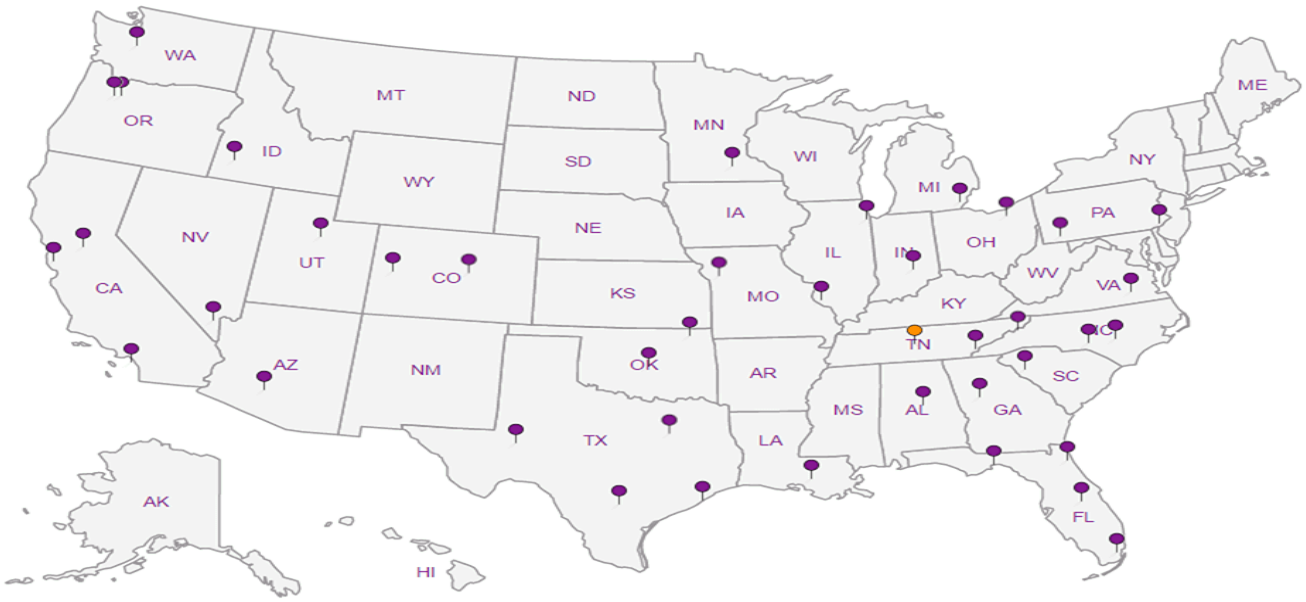
Third Party Federal Accreditations

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 # 1413.001.05.202

Lab Project # PESENVSWA-ALP

Collected by (print): Hannah Cohen

Site/Facility ID #

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

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TS 4ozClr-NoPres	V8260C 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
B-294-1	Grab	SS	1	8/26/20	915	2		X		-01
B-294-2		SS	2		920	2		X		02
B-294-6		SS	6		925	2		X		03
B-294-10		SS	10		930	2		X		04
B-295-1		SS	1		1035	2		X		05
B-295-3		SS	3		1040	2		X		06
B-295-7		SS	7		1045	2		X		07
B-295-10		SS	10		1050	2		X		08
B-296-1		SS	1		1120	2		X		09
B-293-1		SS	1		1145	2		X		10

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

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

SDG # 1255238

H053

Acctnum: PESENVSWA

Template: T172914

Prelogin: P792079

PM: 546 - Jared Starkey

PB:

Shipped Via:

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier _____

Tracking # 1922 0801 8344

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
Hannah Cohen	8/26/20	1600			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.4 °C Bottles Received: 3.2-5=2.7 32	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) MPappas	Date: 8-27-20 Time: 935	Hold: / Condition: NCF / OK

[redacted]

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 #
1413.001.05.202

Lab Project #
PESENVSWA-ALP

Collected by (print):
Hannah Cohen

Site/Facility ID #

P.O. #

Collected by (signature):
Hannah 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

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TS 4ozClr-NoPres	V8260C 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
B-297-1	Grab	SS	1	8/26/20	1300	2		X		11
B-297-3	"	SS	3	"	1305	2		X		12
B-297-5	"	SS	5	"	1310	2		X		13
B-298-5	"	SS	5	"	1345	2		X		14
B-298-6	"	SS	6	"	1350	2		X		15
B-500-1	"	SS	3	"	1415	2		X		16
TB-082620	-	SS	-	"	1500	1		X		17
		SS								
		SS								
		SS								

Chain of Custody Page 2 of 2

Pace Analytical®
National Center for Testing & Innovation

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

SDG # 1255238

Table #

Acctnum: PESENVSWA

Template: T172914

Prelogin: P792079

PM: 546 - Jared Starkey

PB:

Shipped Via:

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier _____

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Hannah Cohen	8/26/20	1600		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1493 °C Bottles Received: 3.2-.5=2.7 32	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Mapped	Date: 827-20 Time: 930	Hold: Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

October 23, 2020

Revised Report

PES Environmental, Inc.- WA

Sample Delivery Group:	L1261818
Samples Received:	09/15/2020
Project Number:	1413.001.05.601
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:

Jared Starkey
Project Manager

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

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PRB-B14-091420 L1261818-01 GW

Collected by: Ben Hecht | Collected date/time: 09/14/20 09:45 | Received date/time: 09/15/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1543488	1	09/16/20 16:11	09/16/20 16:11	SL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1543227	1	09/15/20 17:49	09/15/20 17:49	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1544208	1	09/17/20 22:03	09/17/20 22:03	MJA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1543663	1	09/17/20 08:58	09/18/20 14:24	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1545313	1	09/19/20 01:33	09/19/20 01:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1544533	1	09/17/20 14:37	09/17/20 14:37	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1545111	1	09/18/20 03:22	09/18/20 03:22	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1545375	10	09/19/20 03:05	09/19/20 03:05	JAH	Mt. Juliet, TN

PRB-C19-091420 L1261818-02 GW

Collected by: Ben Hecht | Collected date/time: 09/14/20 11:33 | Received date/time: 09/15/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1543488	1	09/16/20 16:21	09/16/20 16:21	SL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1543227	1	09/15/20 18:07	09/15/20 18:07	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1544208	1	09/17/20 22:14	09/17/20 22:14	MJA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1543663	1	09/17/20 08:58	09/18/20 14:27	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1545313	1	09/19/20 01:53	09/19/20 01:53	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1544533	1	09/17/20 14:40	09/17/20 14:40	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1545111	1	09/18/20 03:41	09/18/20 03:41	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1545375	1	09/19/20 01:30	09/19/20 01:30	JAH	Mt. Juliet, TN

PRB-C23-091420 L1261818-03 GW

Collected by: Ben Hecht | Collected date/time: 09/14/20 12:10 | Received date/time: 09/15/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1543488	1	09/16/20 16:30	09/16/20 16:30	SL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1543227	1	09/15/20 18:46	09/15/20 18:46	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1544208	1	09/17/20 22:59	09/17/20 22:59	MJA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1543663	1	09/17/20 08:58	09/18/20 14:30	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1545313	1	09/19/20 02:14	09/19/20 02:14	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1544533	1	09/17/20 14:43	09/17/20 14:43	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1545111	1	09/18/20 04:00	09/18/20 04:00	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1545375	1	09/19/20 01:49	09/19/20 01:49	JAH	Mt. Juliet, TN

PRB-A19-091420 L1261818-04 GW

Collected by: Ben Hecht | Collected date/time: 09/14/20 13:20 | Received date/time: 09/15/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1543488	1	09/16/20 16:41	09/16/20 16:41	SL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1543227	1	09/15/20 19:22	09/15/20 19:22	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1544259	1	09/17/20 19:48	09/17/20 19:48	MJA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1543663	1	09/17/20 08:58	09/18/20 14:33	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1545313	1	09/19/20 02:35	09/19/20 02:35	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1544533	1	09/17/20 14:46	09/17/20 14:46	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1545111	1	09/18/20 04:19	09/18/20 04:19	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1545375	200	09/19/20 04:21	09/19/20 04:21	JAH	Mt. Juliet, TN

PRB-A23-091420 L1261818-05 GW

Collected by: Ben Hecht
Collected date/time: 09/14/20 14:00
Received date/time: 09/15/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1543488	1	09/16/20 16:50	09/16/20 16:50	SL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1543227	1	09/15/20 20:18	09/15/20 20:18	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1544259	1	09/17/20 20:22	09/17/20 20:22	MJA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1543663	1	09/17/20 08:58	09/18/20 14:37	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1545313	1	09/19/20 02:56	09/19/20 02:56	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1544533	1	09/17/20 15:17	09/17/20 15:17	JAL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1545228	10	09/18/20 16:19	09/18/20 16:19	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1545111	1	09/18/20 04:38	09/18/20 04:38	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1545375	1	09/19/20 02:08	09/19/20 02:08	JAH	Mt. Juliet, TN

TB-091420 L1261818-06 GW

Collected by: Ben Hecht
Collected date/time: 09/14/20 16:00
Received date/time: 09/15/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1546186	1	09/21/20 05:16	09/21/20 05:16	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1545111	1	09/18/20 00:12	09/18/20 00:12	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.

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 09/22/20 15:55

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	408000		8450	20000	1	09/16/2020 16:11	WG1543488

Sample Narrative:

L1261818-01 WG1543488: 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	67100		379	1000	1	09/15/2020 17:49	WG1543227
Nitrate	U		48.0	100	1	09/15/2020 17:49	WG1543227
Sulfate	61300		594	5000	1	09/15/2020 17:49	WG1543227

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)	7360		102	1000	1	09/17/2020 22:03	WG1544208

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2440		48.9	100	1	09/18/2020 14:24	WG1543663
Manganese	723		1.32	5.00	1	09/18/2020 14:24	WG1543663

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	09/19/2020 01:33	WG1545313
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*09/19/2020 01:33*	WG1545313

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5080		0.287	0.678	1	09/17/2020 14:37	WG1544533
Ethane	65.0		0.296	1.29	1	09/17/2020 14:37	WG1544533
Ethene	650		0.422	1.27	1	09/17/2020 14:37	WG1544533

Volatile 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	J0	0.548	1.00	1	09/18/2020 03:22	WG1545111
Acrylonitrile	U	J0	0.0760	0.500	1	09/18/2020 03:22	WG1545111
Benzene	0.0220	J	0.0160	0.0400	1	09/18/2020 03:22	WG1545111
Bromobenzene	U		0.0420	0.500	1	09/18/2020 03:22	WG1545111
Bromodichloromethane	U		0.0315	0.100	1	09/18/2020 03:22	WG1545111
Bromoform	U		0.239	1.00	1	09/18/2020 03:22	WG1545111
Bromomethane	U		0.148	0.500	1	09/18/2020 03:22	WG1545111
n-Butylbenzene	U		0.153	0.500	1	09/18/2020 03:22	WG1545111
sec-Butylbenzene	U		0.101	0.500	1	09/18/2020 03:22	WG1545111
tert-Butylbenzene	U		0.0620	0.200	1	09/18/2020 03:22	WG1545111
Carbon tetrachloride	U		0.0432	0.200	1	09/18/2020 03:22	WG1545111
Chlorobenzene	U		0.0229	0.100	1	09/18/2020 03:22	WG1545111
Chlorodibromomethane	U		0.0180	0.100	1	09/18/2020 03:22	WG1545111

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloroethane	U		0.0432	0.200	1	09/18/2020 03:22	WG1545111
Chloroform	U		0.0166	0.100	1	09/18/2020 03:22	WG1545111
Chloromethane	U		0.0556	0.500	1	09/18/2020 03:22	WG1545111
2-Chlorotoluene	U		0.0368	0.100	1	09/18/2020 03:22	WG1545111
4-Chlorotoluene	U		0.0452	0.200	1	09/18/2020 03:22	WG1545111
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	09/18/2020 03:22	WG1545111
1,2-Dibromoethane	U		0.0210	0.100	1	09/18/2020 03:22	WG1545111
Dibromomethane	U	J0	0.0400	0.200	1	09/18/2020 03:22	WG1545111
1,2-Dichlorobenzene	U		0.0580	0.200	1	09/18/2020 03:22	WG1545111
1,3-Dichlorobenzene	U		0.0680	0.200	1	09/18/2020 03:22	WG1545111
1,4-Dichlorobenzene	U		0.0788	0.200	1	09/18/2020 03:22	WG1545111
Dichlorodifluoromethane	U		0.0327	0.100	1	09/18/2020 03:22	WG1545111
1,1-Dichloroethane	U		0.0230	0.100	1	09/18/2020 03:22	WG1545111
1,2-Dichloroethane	U	J0	0.0190	0.100	1	09/18/2020 03:22	WG1545111
1,1-Dichloroethene	0.0920	J	0.0200	0.100	1	09/18/2020 03:22	WG1545111
cis-1,2-Dichloroethene	16.6		0.0276	0.100	1	09/18/2020 03:22	WG1545111
trans-1,2-Dichloroethene	0.0770	J	0.0572	0.200	1	09/18/2020 03:22	WG1545111
1,2-Dichloropropane	U		0.0508	0.200	1	09/18/2020 03:22	WG1545111
1,1-Dichloropropene	U		0.0280	0.100	1	09/18/2020 03:22	WG1545111
1,3-Dichloropropane	U		0.0700	0.200	1	09/18/2020 03:22	WG1545111
cis-1,3-Dichloropropene	U		0.0271	0.100	1	09/18/2020 03:22	WG1545111
trans-1,3-Dichloropropene	U		0.0612	0.200	1	09/18/2020 03:22	WG1545111
2,2-Dichloropropane	U	J0	0.0317	0.100	1	09/18/2020 03:22	WG1545111
Di-isopropyl ether	U		0.0140	0.0400	1	09/18/2020 03:22	WG1545111
Ethylbenzene	U		0.0212	0.100	1	09/18/2020 03:22	WG1545111
Hexachloro-1,3-butadiene	U		0.508	1.00	1	09/18/2020 03:22	WG1545111
Isopropylbenzene	U		0.0345	0.100	1	09/18/2020 03:22	WG1545111
p-Isopropyltoluene	U		0.0932	0.200	1	09/18/2020 03:22	WG1545111
2-Butanone (MEK)	U		0.500	1.00	1	09/18/2020 03:22	WG1545111
Methylene Chloride	U		0.265	1.00	1	09/18/2020 03:22	WG1545111
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	09/18/2020 03:22	WG1545111
Methyl tert-butyl ether	U	J0	0.0118	0.0400	1	09/18/2020 03:22	WG1545111
Naphthalene	U		0.124	0.500	1	09/18/2020 03:22	WG1545111
n-Propylbenzene	U		0.0472	0.200	1	09/18/2020 03:22	WG1545111
Styrene	U		0.109	0.500	1	09/18/2020 03:22	WG1545111
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	09/18/2020 03:22	WG1545111
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	09/18/2020 03:22	WG1545111
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	09/18/2020 03:22	WG1545111
Tetrachloroethene	U		0.0280	0.100	1	09/18/2020 03:22	WG1545111
Toluene	0.0750	J	0.0500	0.200	1	09/18/2020 03:22	WG1545111
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	09/18/2020 03:22	WG1545111
1,2,4-Trichlorobenzene	U		0.193	0.500	1	09/18/2020 03:22	WG1545111
1,1,1-Trichloroethane	U		0.0110	0.100	1	09/18/2020 03:22	WG1545111
1,1,2-Trichloroethane	U		0.0353	0.100	1	09/18/2020 03:22	WG1545111
Trichloroethene	0.116		0.0160	0.0400	1	09/18/2020 03:22	WG1545111
Trichlorofluoromethane	U		0.0200	0.100	1	09/18/2020 03:22	WG1545111
1,2,3-Trichloropropane	U		0.204	0.500	1	09/18/2020 03:22	WG1545111
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	09/18/2020 03:22	WG1545111
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	09/18/2020 03:22	WG1545111
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	09/18/2020 03:22	WG1545111
Vinyl chloride	291		0.273	1.00	10	09/19/2020 03:05	WG1545375
Xylenes, Total	U		0.191	0.260	1	09/18/2020 03:22	WG1545111
Ethyl Ether	U	J0	0.0170	0.100	1	09/18/2020 03:22	WG1545111
Tetrahydrofuran	0.145	J J0	0.0900	0.500	1	09/18/2020 03:22	WG1545111
Iodomethane	U	J0	0.242	0.500	1	09/18/2020 03:22	WG1545111
Allyl chloride	U		0.580	1.00	1	09/18/2020 03:22	WG1545111

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	09/18/2020 03:22	WG1545111
(S) Toluene-d8	*112*			*75.0-131*		*09/18/2020 03:22*	WG1545111
(S) Toluene-d8	*96.3*			*75.0-131*		*09/19/2020 03:05*	WG1545375
(S) 4-Bromofluorobenzene	*92.0*			*67.0-138*		*09/18/2020 03:22*	WG1545111
(S) 4-Bromofluorobenzene	*92.3*			*67.0-138*		*09/19/2020 03:05*	WG1545375
(S) 1,2-Dichloroethane-d4	*99.3*			*70.0-130*		*09/18/2020 03:22*	WG1545111
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*09/19/2020 03:05*	WG1545375

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	184000		8450	20000	1	09/16/2020 16:21	WG1543488

Sample Narrative:

L1261818-02 WG1543488: 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	16300		379	1000	1	09/15/2020 18:07	WG1543227
Nitrate	U		48.0	100	1	09/15/2020 18:07	WG1543227
Sulfate	18500		594	5000	1	09/15/2020 18:07	WG1543227

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)	1300	B	102	1000	1	09/17/2020 22:14	WG1544208

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2370		48.9	100	1	09/18/2020 14:27	WG1543663
Manganese	219		1.32	5.00	1	09/18/2020 14:27	WG1543663

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	09/19/2020 01:53	WG1545313
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*09/19/2020 01:53*	WG1545313

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	319		0.287	0.678	1	09/17/2020 14:40	WG1544533
Ethane	U		0.296	1.29	1	09/17/2020 14:40	WG1544533
Ethene	U		0.422	1.27	1	09/17/2020 14:40	WG1544533

Volatile 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	J0	0.548	1.00	1	09/18/2020 03:41	WG1545111
Acrylonitrile	U	J0	0.0760	0.500	1	09/18/2020 03:41	WG1545111
Benzene	U		0.0160	0.0400	1	09/18/2020 03:41	WG1545111
Bromobenzene	U		0.0420	0.500	1	09/18/2020 03:41	WG1545111
Bromodichloromethane	U		0.0315	0.100	1	09/18/2020 03:41	WG1545111
Bromoform	U		0.239	1.00	1	09/18/2020 03:41	WG1545111
Bromomethane	U		0.148	0.500	1	09/18/2020 03:41	WG1545111
n-Butylbenzene	U		0.153	0.500	1	09/18/2020 03:41	WG1545111
sec-Butylbenzene	U		0.101	0.500	1	09/18/2020 03:41	WG1545111
tert-Butylbenzene	U		0.0620	0.200	1	09/18/2020 03:41	WG1545111
Carbon tetrachloride	U		0.0432	0.200	1	09/18/2020 03:41	WG1545111
Chlorobenzene	U		0.0229	0.100	1	09/18/2020 03:41	WG1545111
Chlorodibromomethane	U		0.0180	0.100	1	09/18/2020 03:41	WG1545111

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloroethane	U		0.0432	0.200	1	09/18/2020 03:41	WG1545111
Chloroform	U		0.0166	0.100	1	09/18/2020 03:41	WG1545111
Chloromethane	U		0.0556	0.500	1	09/18/2020 03:41	WG1545111
2-Chlorotoluene	U		0.0368	0.100	1	09/18/2020 03:41	WG1545111
4-Chlorotoluene	U		0.0452	0.200	1	09/18/2020 03:41	WG1545111
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	09/18/2020 03:41	WG1545111
1,2-Dibromoethane	U		0.0210	0.100	1	09/18/2020 03:41	WG1545111
Dibromomethane	U	J0	0.0400	0.200	1	09/18/2020 03:41	WG1545111
1,2-Dichlorobenzene	U		0.0580	0.200	1	09/18/2020 03:41	WG1545111
1,3-Dichlorobenzene	U		0.0680	0.200	1	09/18/2020 03:41	WG1545111
1,4-Dichlorobenzene	U		0.0788	0.200	1	09/18/2020 03:41	WG1545111
Dichlorodifluoromethane	U		0.0327	0.100	1	09/18/2020 03:41	WG1545111
1,1-Dichloroethane	U		0.0230	0.100	1	09/18/2020 03:41	WG1545111
1,2-Dichloroethane	U	J0	0.0190	0.100	1	09/18/2020 03:41	WG1545111
1,1-Dichloroethene	U		0.0200	0.100	1	09/18/2020 03:41	WG1545111
cis-1,2-Dichloroethene	0.301		0.0276	0.100	1	09/18/2020 03:41	WG1545111
trans-1,2-Dichloroethene	U		0.0572	0.200	1	09/18/2020 03:41	WG1545111
1,2-Dichloropropane	U		0.0508	0.200	1	09/18/2020 03:41	WG1545111
1,1-Dichloropropene	U		0.0280	0.100	1	09/18/2020 03:41	WG1545111
1,3-Dichloropropane	U		0.0700	0.200	1	09/18/2020 03:41	WG1545111
cis-1,3-Dichloropropene	U		0.0271	0.100	1	09/18/2020 03:41	WG1545111
trans-1,3-Dichloropropene	U		0.0612	0.200	1	09/18/2020 03:41	WG1545111
2,2-Dichloropropane	U	J0	0.0317	0.100	1	09/18/2020 03:41	WG1545111
Di-isopropyl ether	U		0.0140	0.0400	1	09/18/2020 03:41	WG1545111
Ethylbenzene	U		0.0212	0.100	1	09/18/2020 03:41	WG1545111
Hexachloro-1,3-butadiene	U		0.508	1.00	1	09/18/2020 03:41	WG1545111
Isopropylbenzene	U		0.0345	0.100	1	09/18/2020 03:41	WG1545111
p-Isopropyltoluene	U		0.0932	0.200	1	09/18/2020 03:41	WG1545111
2-Butanone (MEK)	U		0.500	1.00	1	09/18/2020 03:41	WG1545111
Methylene Chloride	U		0.265	1.00	1	09/18/2020 03:41	WG1545111
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	09/18/2020 03:41	WG1545111
Methyl tert-butyl ether	U	J0	0.0118	0.0400	1	09/18/2020 03:41	WG1545111
Naphthalene	U		0.124	0.500	1	09/18/2020 03:41	WG1545111
n-Propylbenzene	U		0.0472	0.200	1	09/18/2020 03:41	WG1545111
Styrene	U		0.109	0.500	1	09/18/2020 03:41	WG1545111
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	09/18/2020 03:41	WG1545111
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	09/18/2020 03:41	WG1545111
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	09/18/2020 03:41	WG1545111
Tetrachloroethene	U		0.0280	0.100	1	09/18/2020 03:41	WG1545111
Toluene	0.231		0.0500	0.200	1	09/18/2020 03:41	WG1545111
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	09/18/2020 03:41	WG1545111
1,2,4-Trichlorobenzene	U		0.193	0.500	1	09/18/2020 03:41	WG1545111
1,1,1-Trichloroethane	U		0.0110	0.100	1	09/18/2020 03:41	WG1545111
1,1,2-Trichloroethane	U		0.0353	0.100	1	09/18/2020 03:41	WG1545111
Trichloroethene	U		0.0160	0.0400	1	09/18/2020 03:41	WG1545111
Trichlorofluoromethane	U		0.0200	0.100	1	09/18/2020 03:41	WG1545111
1,2,3-Trichloropropane	U		0.204	0.500	1	09/18/2020 03:41	WG1545111
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	09/18/2020 03:41	WG1545111
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	09/18/2020 03:41	WG1545111
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	09/18/2020 03:41	WG1545111
Vinyl chloride	0.610		0.0273	0.100	1	09/19/2020 01:30	WG1545375
Xylenes, Total	U		0.191	0.260	1	09/18/2020 03:41	WG1545111
Ethyl Ether	U	J0	0.0170	0.100	1	09/18/2020 03:41	WG1545111
Tetrahydrofuran	U	J0	0.0900	0.500	1	09/18/2020 03:41	WG1545111
Iodomethane	U	J0	0.242	0.500	1	09/18/2020 03:41	WG1545111
Allyl chloride	U		0.580	1.00	1	09/18/2020 03:41	WG1545111

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	09/18/2020 03:41	WG1545111
(S) Toluene-d8	*109*			*75.0-131*		*09/18/2020 03:41*	WG1545111
(S) Toluene-d8	*94.2*			*75.0-131*		*09/19/2020 01:30*	WG1545375
(S) 4-Bromofluorobenzene	*90.9*			*67.0-138*		*09/18/2020 03:41*	WG1545111
(S) 4-Bromofluorobenzene	*93.4*			*67.0-138*		*09/19/2020 01:30*	WG1545375
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/18/2020 03:41*	WG1545111
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*09/19/2020 01:30*	WG1545375

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	266000		8450	20000	1	09/16/2020 16:30	WG1543488

Sample Narrative:

L1261818-03 WG1543488: 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	33600		379	1000	1	09/15/2020 18:46	WG1543227
Nitrate	U		48.0	100	1	09/15/2020 18:46	WG1543227
Sulfate	71900		594	5000	1	09/15/2020 18:46	WG1543227

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)	5190		102	1000	1	09/17/2020 22:59	WG1544208

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4140		48.9	100	1	09/18/2020 14:30	WG1543663
Manganese	378		1.32	5.00	1	09/18/2020 14:30	WG1543663

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	09/19/2020 02:14	WG1545313
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*		*09/19/2020 02:14*	WG1545313

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2980		0.287	0.678	1	09/17/2020 14:43	WG1544533
Ethane	U		0.296	1.29	1	09/17/2020 14:43	WG1544533
Ethene	U		0.422	1.27	1	09/17/2020 14:43	WG1544533

Volatile 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	J0	0.548	1.00	1	09/18/2020 04:00	WG1545111
Acrylonitrile	U	J0	0.0760	0.500	1	09/18/2020 04:00	WG1545111
Benzene	U		0.0160	0.0400	1	09/18/2020 04:00	WG1545111
Bromobenzene	U		0.0420	0.500	1	09/18/2020 04:00	WG1545111
Bromodichloromethane	U		0.0315	0.100	1	09/18/2020 04:00	WG1545111
Bromoform	U		0.239	1.00	1	09/18/2020 04:00	WG1545111
Bromomethane	U		0.148	0.500	1	09/18/2020 04:00	WG1545111
n-Butylbenzene	U		0.153	0.500	1	09/18/2020 04:00	WG1545111
sec-Butylbenzene	U		0.101	0.500	1	09/18/2020 04:00	WG1545111
tert-Butylbenzene	U		0.0620	0.200	1	09/18/2020 04:00	WG1545111
Carbon tetrachloride	U		0.0432	0.200	1	09/18/2020 04:00	WG1545111
Chlorobenzene	U		0.0229	0.100	1	09/18/2020 04:00	WG1545111
Chlorodibromomethane	U		0.0180	0.100	1	09/18/2020 04:00	WG1545111

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloroethane	U		0.0432	0.200	1	09/18/2020 04:00	WG1545111
Chloroform	U		0.0166	0.100	1	09/18/2020 04:00	WG1545111
Chloromethane	U		0.0556	0.500	1	09/18/2020 04:00	WG1545111
2-Chlorotoluene	U		0.0368	0.100	1	09/18/2020 04:00	WG1545111
4-Chlorotoluene	U		0.0452	0.200	1	09/18/2020 04:00	WG1545111
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	09/18/2020 04:00	WG1545111
1,2-Dibromoethane	U		0.0210	0.100	1	09/18/2020 04:00	WG1545111
Dibromomethane	U	J0	0.0400	0.200	1	09/18/2020 04:00	WG1545111
1,2-Dichlorobenzene	U		0.0580	0.200	1	09/18/2020 04:00	WG1545111
1,3-Dichlorobenzene	U		0.0680	0.200	1	09/18/2020 04:00	WG1545111
1,4-Dichlorobenzene	U		0.0788	0.200	1	09/18/2020 04:00	WG1545111
Dichlorodifluoromethane	U		0.0327	0.100	1	09/18/2020 04:00	WG1545111
1,1-Dichloroethane	U		0.0230	0.100	1	09/18/2020 04:00	WG1545111
1,2-Dichloroethane	U	J0	0.0190	0.100	1	09/18/2020 04:00	WG1545111
1,1-Dichloroethene	U		0.0200	0.100	1	09/18/2020 04:00	WG1545111
cis-1,2-Dichloroethene	U		0.0276	0.100	1	09/18/2020 04:00	WG1545111
trans-1,2-Dichloroethene	U		0.0572	0.200	1	09/18/2020 04:00	WG1545111
1,2-Dichloropropane	U		0.0508	0.200	1	09/18/2020 04:00	WG1545111
1,1-Dichloropropene	U		0.0280	0.100	1	09/18/2020 04:00	WG1545111
1,3-Dichloropropane	U		0.0700	0.200	1	09/18/2020 04:00	WG1545111
cis-1,3-Dichloropropene	U		0.0271	0.100	1	09/18/2020 04:00	WG1545111
trans-1,3-Dichloropropene	U		0.0612	0.200	1	09/18/2020 04:00	WG1545111
2,2-Dichloropropane	U	J0	0.0317	0.100	1	09/18/2020 04:00	WG1545111
Di-isopropyl ether	U		0.0140	0.0400	1	09/18/2020 04:00	WG1545111
Ethylbenzene	U		0.0212	0.100	1	09/18/2020 04:00	WG1545111
Hexachloro-1,3-butadiene	U		0.508	1.00	1	09/18/2020 04:00	WG1545111
Isopropylbenzene	U		0.0345	0.100	1	09/18/2020 04:00	WG1545111
p-Isopropyltoluene	U		0.0932	0.200	1	09/18/2020 04:00	WG1545111
2-Butanone (MEK)	U		0.500	1.00	1	09/18/2020 04:00	WG1545111
Methylene Chloride	U		0.265	1.00	1	09/18/2020 04:00	WG1545111
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	09/18/2020 04:00	WG1545111
Methyl tert-butyl ether	U	J0	0.0118	0.0400	1	09/18/2020 04:00	WG1545111
Naphthalene	U		0.124	0.500	1	09/18/2020 04:00	WG1545111
n-Propylbenzene	U		0.0472	0.200	1	09/18/2020 04:00	WG1545111
Styrene	U		0.109	0.500	1	09/18/2020 04:00	WG1545111
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	09/18/2020 04:00	WG1545111
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	09/18/2020 04:00	WG1545111
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	09/18/2020 04:00	WG1545111
Tetrachloroethene	U		0.0280	0.100	1	09/18/2020 04:00	WG1545111
Toluene	0.208		0.0500	0.200	1	09/18/2020 04:00	WG1545111
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	09/18/2020 04:00	WG1545111
1,2,4-Trichlorobenzene	U		0.193	0.500	1	09/18/2020 04:00	WG1545111
1,1,1-Trichloroethane	U		0.0110	0.100	1	09/18/2020 04:00	WG1545111
1,1,2-Trichloroethane	U		0.0353	0.100	1	09/18/2020 04:00	WG1545111
Trichloroethene	U		0.0160	0.0400	1	09/18/2020 04:00	WG1545111
Trichlorofluoromethane	U		0.0200	0.100	1	09/18/2020 04:00	WG1545111
1,2,3-Trichloropropane	U		0.204	0.500	1	09/18/2020 04:00	WG1545111
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	09/18/2020 04:00	WG1545111
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	09/18/2020 04:00	WG1545111
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	09/18/2020 04:00	WG1545111
Vinyl chloride	U		0.0273	0.100	1	09/19/2020 01:49	WG1545375
Xylenes, Total	U		0.191	0.260	1	09/18/2020 04:00	WG1545111
Ethyl Ether	U	J0	0.0170	0.100	1	09/18/2020 04:00	WG1545111
Tetrahydrofuran	U	J0	0.0900	0.500	1	09/18/2020 04:00	WG1545111
Iodomethane	U	J0	0.242	0.500	1	09/18/2020 04:00	WG1545111
Allyl chloride	U		0.580	1.00	1	09/18/2020 04:00	WG1545111

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	09/18/2020 04:00	WG1545111
(S) Toluene-d8	*113*			*75.0-131*		*09/18/2020 04:00*	WG1545111
(S) Toluene-d8	*96.4*			*75.0-131*		*09/19/2020 01:49*	WG1545375
(S) 4-Bromofluorobenzene	*87.2*			*67.0-138*		*09/18/2020 04:00*	WG1545111
(S) 4-Bromofluorobenzene	*96.6*			*67.0-138*		*09/19/2020 01:49*	WG1545375
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/18/2020 04:00*	WG1545111
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*09/19/2020 01:49*	WG1545375

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	236000		8450	20000	1	09/16/2020 16:41	WG1543488

Sample Narrative:

L1261818-04 WG1543488: 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	26400		379	1000	1	09/15/2020 19:22	WG1543227
Nitrate	U		48.0	100	1	09/15/2020 19:22	WG1543227
Sulfate	34200		594	5000	1	09/15/2020 19:22	WG1543227

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)	2060	B	102	1000	1	09/17/2020 19:48	WG1544259

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5210		48.9	100	1	09/18/2020 14:33	WG1543663
Manganese	735		1.32	5.00	1	09/18/2020 14:33	WG1543663

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	897		31.6	100	1	09/19/2020 02:35	WG1545313
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*		*09/19/2020 02:35*	WG1545313

Sample Narrative:

L1261818-04 WG1545313: No discernible 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	6380		0.287	0.678	1	09/17/2020 14:46	WG1544533
Ethane	U		0.296	1.29	1	09/17/2020 14:46	WG1544533
Ethene	U		0.422	1.27	1	09/17/2020 14:46	WG1544533

Volatile 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	J0	0.548	1.00	1	09/18/2020 04:19	WG1545111
Acrylonitrile	U	J0	0.0760	0.500	1	09/18/2020 04:19	WG1545111
Benzene	0.103		0.0160	0.0400	1	09/18/2020 04:19	WG1545111
Bromobenzene	U		0.0420	0.500	1	09/18/2020 04:19	WG1545111
Bromodichloromethane	U		0.0315	0.100	1	09/18/2020 04:19	WG1545111
Bromoform	U		0.239	1.00	1	09/18/2020 04:19	WG1545111
Bromomethane	U		0.148	0.500	1	09/18/2020 04:19	WG1545111
n-Butylbenzene	U		0.153	0.500	1	09/18/2020 04:19	WG1545111
sec-Butylbenzene	U		0.101	0.500	1	09/18/2020 04:19	WG1545111
tert-Butylbenzene	U		0.0620	0.200	1	09/18/2020 04:19	WG1545111

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Carbon tetrachloride	U		0.0432	0.200	1	09/18/2020 04:19	WG1545111
Chlorobenzene	U		0.0229	0.100	1	09/18/2020 04:19	WG1545111
Chlorodibromomethane	U		0.0180	0.100	1	09/18/2020 04:19	WG1545111
Chloroethane	U		0.0432	0.200	1	09/18/2020 04:19	WG1545111
Chloroform	U		0.0166	0.100	1	09/18/2020 04:19	WG1545111
Chloromethane	U		0.0556	0.500	1	09/18/2020 04:19	WG1545111
2-Chlorotoluene	U		0.0368	0.100	1	09/18/2020 04:19	WG1545111
4-Chlorotoluene	U		0.0452	0.200	1	09/18/2020 04:19	WG1545111
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	09/18/2020 04:19	WG1545111
1,2-Dibromoethane	U		0.0210	0.100	1	09/18/2020 04:19	WG1545111
Dibromomethane	U	J0	0.0400	0.200	1	09/18/2020 04:19	WG1545111
1,2-Dichlorobenzene	U		0.0580	0.200	1	09/18/2020 04:19	WG1545111
1,3-Dichlorobenzene	U		0.0680	0.200	1	09/18/2020 04:19	WG1545111
1,4-Dichlorobenzene	U		0.0788	0.200	1	09/18/2020 04:19	WG1545111
Dichlorodifluoromethane	U		0.0327	0.100	1	09/18/2020 04:19	WG1545111
1,1-Dichloroethane	U		0.0230	0.100	1	09/18/2020 04:19	WG1545111
1,2-Dichloroethane	U	J0	0.0190	0.100	1	09/18/2020 04:19	WG1545111
1,1-Dichloroethene	3.11		0.0200	0.100	1	09/18/2020 04:19	WG1545111
cis-1,2-Dichloroethene	1100		5.52	20.0	200	09/19/2020 04:21	WG1545375
trans-1,2-Dichloroethene	4.46		0.0572	0.200	1	09/18/2020 04:19	WG1545111
1,2-Dichloropropane	U		0.0508	0.200	1	09/18/2020 04:19	WG1545111
1,1-Dichloropropene	U		0.0280	0.100	1	09/18/2020 04:19	WG1545111
1,3-Dichloropropane	U		0.0700	0.200	1	09/18/2020 04:19	WG1545111
cis-1,3-Dichloropropene	U		0.0271	0.100	1	09/18/2020 04:19	WG1545111
trans-1,3-Dichloropropene	U		0.0612	0.200	1	09/18/2020 04:19	WG1545111
2,2-Dichloropropane	U	J0	0.0317	0.100	1	09/18/2020 04:19	WG1545111
Di-isopropyl ether	U		0.0140	0.0400	1	09/18/2020 04:19	WG1545111
Ethylbenzene	U		0.0212	0.100	1	09/18/2020 04:19	WG1545111
Hexachloro-1,3-butadiene	U		0.508	1.00	1	09/18/2020 04:19	WG1545111
Isopropylbenzene	U		0.0345	0.100	1	09/18/2020 04:19	WG1545111
p-Isopropyltoluene	U		0.0932	0.200	1	09/18/2020 04:19	WG1545111
2-Butanone (MEK)	U		0.500	1.00	1	09/18/2020 04:19	WG1545111
Methylene Chloride	U		0.265	1.00	1	09/18/2020 04:19	WG1545111
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	09/18/2020 04:19	WG1545111
Methyl tert-butyl ether	U	J0	0.0118	0.0400	1	09/18/2020 04:19	WG1545111
Naphthalene	U		0.124	0.500	1	09/18/2020 04:19	WG1545111
n-Propylbenzene	U		0.0472	0.200	1	09/18/2020 04:19	WG1545111
Styrene	U		0.109	0.500	1	09/18/2020 04:19	WG1545111
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	09/18/2020 04:19	WG1545111
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	09/18/2020 04:19	WG1545111
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	09/18/2020 04:19	WG1545111
Tetrachloroethene	59.2		0.0280	0.100	1	09/18/2020 04:19	WG1545111
Toluene	0.251		0.0500	0.200	1	09/18/2020 04:19	WG1545111
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	09/18/2020 04:19	WG1545111
1,2,4-Trichlorobenzene	U		0.193	0.500	1	09/18/2020 04:19	WG1545111
1,1,1-Trichloroethane	U		0.0110	0.100	1	09/18/2020 04:19	WG1545111
1,1,2-Trichloroethane	U		0.0353	0.100	1	09/18/2020 04:19	WG1545111
Trichloroethene	24.2		0.0160	0.0400	1	09/18/2020 04:19	WG1545111
Trichlorofluoromethane	U		0.0200	0.100	1	09/18/2020 04:19	WG1545111
1,2,3-Trichloropropane	U		0.204	0.500	1	09/18/2020 04:19	WG1545111
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	09/18/2020 04:19	WG1545111
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	09/18/2020 04:19	WG1545111
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	09/18/2020 04:19	WG1545111
Vinyl chloride	3360		5.46	20.0	200	09/19/2020 04:21	WG1545375
Xylenes, Total	U		0.191	0.260	1	09/18/2020 04:19	WG1545111
Ethyl Ether	U	J0	0.0170	0.100	1	09/18/2020 04:19	WG1545111

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Tetrahydrofuran	0.265	J J0	0.0900	0.500	1	09/18/2020 04:19	WG1545111
Iodomethane	U	J0	0.242	0.500	1	09/18/2020 04:19	WG1545111
Allyl chloride	U		0.580	1.00	1	09/18/2020 04:19	WG1545111
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	09/18/2020 04:19	WG1545111
(S) Toluene-d8	*112*			*75.0-131*		*09/18/2020 04:19*	WG1545111
(S) Toluene-d8	*95.4*			*75.0-131*		*09/19/2020 04:21*	WG1545375
(S) 4-Bromofluorobenzene	*90.5*			*67.0-138*		*09/18/2020 04:19*	WG1545111
(S) 4-Bromofluorobenzene	*93.5*			*67.0-138*		*09/19/2020 04:21*	WG1545375
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*09/18/2020 04:19*	WG1545111
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*09/19/2020 04:21*	WG1545375

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	382000		8450	20000	1	09/16/2020 16:50	WG1543488

Sample Narrative:

L1261818-05 WG1543488: 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	28900		379	1000	1	09/15/2020 20:18	WG1543227
Nitrate	U		48.0	100	1	09/15/2020 20:18	WG1543227
Sulfate	4310	J	594	5000	1	09/15/2020 20:18	WG1543227

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)	29700		102	1000	1	09/17/2020 20:22	WG1544259

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	13300		48.9	100	1	09/18/2020 14:37	WG1543663
Manganese	2330		1.32	5.00	1	09/18/2020 14:37	WG1543663

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	09/19/2020 02:56	WG1545313
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*09/19/2020 02:56*	WG1545313

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	25400		2.87	6.78	10	09/18/2020 16:19	WG1545228
Ethane	589		0.296	1.29	1	09/17/2020 15:17	WG1544533
Ethene	259		0.422	1.27	1	09/17/2020 15:17	WG1544533

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.20	J0	0.548	1.00	1	09/18/2020 04:38	WG1545111
Acrylonitrile	U	J0	0.0760	0.500	1	09/18/2020 04:38	WG1545111
Benzene	0.0610		0.0160	0.0400	1	09/18/2020 04:38	WG1545111
Bromobenzene	U		0.0420	0.500	1	09/18/2020 04:38	WG1545111
Bromodichloromethane	U		0.0315	0.100	1	09/18/2020 04:38	WG1545111
Bromoform	U		0.239	1.00	1	09/18/2020 04:38	WG1545111
Bromomethane	U		0.148	0.500	1	09/18/2020 04:38	WG1545111
n-Butylbenzene	U		0.153	0.500	1	09/18/2020 04:38	WG1545111
sec-Butylbenzene	U		0.101	0.500	1	09/18/2020 04:38	WG1545111
tert-Butylbenzene	U		0.0620	0.200	1	09/18/2020 04:38	WG1545111
Carbon tetrachloride	U		0.0432	0.200	1	09/18/2020 04:38	WG1545111
Chlorobenzene	U		0.0229	0.100	1	09/18/2020 04:38	WG1545111
Chlorodibromomethane	U		0.0180	0.100	1	09/18/2020 04:38	WG1545111

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloroethane	0.827		0.0432	0.200	1	09/18/2020 04:38	WG1545111
Chloroform	U		0.0166	0.100	1	09/18/2020 04:38	WG1545111
Chloromethane	U		0.0556	0.500	1	09/18/2020 04:38	WG1545111
2-Chlorotoluene	U		0.0368	0.100	1	09/18/2020 04:38	WG1545111
4-Chlorotoluene	U		0.0452	0.200	1	09/18/2020 04:38	WG1545111
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	09/18/2020 04:38	WG1545111
1,2-Dibromoethane	U		0.0210	0.100	1	09/18/2020 04:38	WG1545111
Dibromomethane	U	J0	0.0400	0.200	1	09/18/2020 04:38	WG1545111
1,2-Dichlorobenzene	U		0.0580	0.200	1	09/18/2020 04:38	WG1545111
1,3-Dichlorobenzene	U		0.0680	0.200	1	09/18/2020 04:38	WG1545111
1,4-Dichlorobenzene	U		0.0788	0.200	1	09/18/2020 04:38	WG1545111
Dichlorodifluoromethane	U		0.0327	0.100	1	09/18/2020 04:38	WG1545111
1,1-Dichloroethane	U		0.0230	0.100	1	09/18/2020 04:38	WG1545111
1,2-Dichloroethane	U	J0	0.0190	0.100	1	09/18/2020 04:38	WG1545111
1,1-Dichloroethene	U		0.0200	0.100	1	09/18/2020 04:38	WG1545111
cis-1,2-Dichloroethene	1.04		0.0276	0.100	1	09/19/2020 02:08	WG1545375
trans-1,2-Dichloroethene	0.413		0.0572	0.200	1	09/18/2020 04:38	WG1545111
1,2-Dichloropropane	U		0.0508	0.200	1	09/18/2020 04:38	WG1545111
1,1-Dichloropropene	U		0.0280	0.100	1	09/18/2020 04:38	WG1545111
1,3-Dichloropropane	U		0.0700	0.200	1	09/18/2020 04:38	WG1545111
cis-1,3-Dichloropropene	U		0.0271	0.100	1	09/18/2020 04:38	WG1545111
trans-1,3-Dichloropropene	U		0.0612	0.200	1	09/18/2020 04:38	WG1545111
2,2-Dichloropropane	U	J0	0.0317	0.100	1	09/18/2020 04:38	WG1545111
Di-isopropyl ether	U		0.0140	0.0400	1	09/18/2020 04:38	WG1545111
Ethylbenzene	U		0.0212	0.100	1	09/18/2020 04:38	WG1545111
Hexachloro-1,3-butadiene	U		0.508	1.00	1	09/18/2020 04:38	WG1545111
Isopropylbenzene	U		0.0345	0.100	1	09/18/2020 04:38	WG1545111
p-Isopropyltoluene	U		0.0932	0.200	1	09/18/2020 04:38	WG1545111
2-Butanone (MEK)	2.55		0.500	1.00	1	09/18/2020 04:38	WG1545111
Methylene Chloride	U		0.265	1.00	1	09/18/2020 04:38	WG1545111
4-Methyl-2-pentanone (MIBK)	1.31		0.400	1.00	1	09/18/2020 04:38	WG1545111
Methyl tert-butyl ether	U	J0	0.0118	0.0400	1	09/18/2020 04:38	WG1545111
Naphthalene	U		0.124	0.500	1	09/18/2020 04:38	WG1545111
n-Propylbenzene	U		0.0472	0.200	1	09/18/2020 04:38	WG1545111
Styrene	U		0.109	0.500	1	09/18/2020 04:38	WG1545111
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	09/18/2020 04:38	WG1545111
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	09/18/2020 04:38	WG1545111
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	09/18/2020 04:38	WG1545111
Tetrachloroethene	0.225		0.0280	0.100	1	09/18/2020 04:38	WG1545111
Toluene	0.220		0.0500	0.200	1	09/18/2020 04:38	WG1545111
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	09/18/2020 04:38	WG1545111
1,2,4-Trichlorobenzene	U		0.193	0.500	1	09/18/2020 04:38	WG1545111
1,1,1-Trichloroethane	U		0.0110	0.100	1	09/18/2020 04:38	WG1545111
1,1,2-Trichloroethane	U		0.0353	0.100	1	09/18/2020 04:38	WG1545111
Trichloroethene	0.110		0.0160	0.0400	1	09/18/2020 04:38	WG1545111
Trichlorofluoromethane	U		0.0200	0.100	1	09/18/2020 04:38	WG1545111
1,2,3-Trichloropropane	U		0.204	0.500	1	09/18/2020 04:38	WG1545111
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	09/18/2020 04:38	WG1545111
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	09/18/2020 04:38	WG1545111
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	09/18/2020 04:38	WG1545111
Vinyl chloride	2.48		0.0273	0.100	1	09/19/2020 02:08	WG1545375
Xylenes, Total	U		0.191	0.260	1	09/18/2020 04:38	WG1545111
Ethyl Ether	U	J0	0.0170	0.100	1	09/18/2020 04:38	WG1545111
Tetrahydrofuran	3.85	J0	0.0900	0.500	1	09/18/2020 04:38	WG1545111
Iodomethane	U	J0	0.242	0.500	1	09/18/2020 04:38	WG1545111
Allyl chloride	U		0.580	1.00	1	09/18/2020 04:38	WG1545111

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	09/18/2020 04:38	WG1545111
(S) Toluene-d8	*112*			*75.0-131*		*09/18/2020 04:38*	WG1545111
(S) Toluene-d8	*95.3*			*75.0-131*		*09/19/2020 02:08*	WG1545375
(S) 4-Bromofluorobenzene	*93.1*			*67.0-138*		*09/18/2020 04:38*	WG1545111
(S) 4-Bromofluorobenzene	*94.8*			*67.0-138*		*09/19/2020 02:08*	WG1545375
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*		*09/18/2020 04:38*	WG1545111
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*09/19/2020 02:08*	WG1545375

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	45.7	B J	31.6	100	1	09/21/2020 05:16	WG1546186
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*		*09/21/2020 05:16*	WG1546186

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	0.548	1.00	1	09/18/2020 00:12	WG1545111
Acrylonitrile	U	J0	0.0760	0.500	1	09/18/2020 00:12	WG1545111
Benzene	U		0.0160	0.0400	1	09/18/2020 00:12	WG1545111
Bromobenzene	U		0.0420	0.500	1	09/18/2020 00:12	WG1545111
Bromodichloromethane	U		0.0315	0.100	1	09/18/2020 00:12	WG1545111
Bromoform	U		0.239	1.00	1	09/18/2020 00:12	WG1545111
Bromomethane	U		0.148	0.500	1	09/18/2020 00:12	WG1545111
n-Butylbenzene	U		0.153	0.500	1	09/18/2020 00:12	WG1545111
sec-Butylbenzene	U		0.101	0.500	1	09/18/2020 00:12	WG1545111
tert-Butylbenzene	U		0.0620	0.200	1	09/18/2020 00:12	WG1545111
Carbon tetrachloride	U		0.0432	0.200	1	09/18/2020 00:12	WG1545111
Chlorobenzene	U		0.0229	0.100	1	09/18/2020 00:12	WG1545111
Chlorodibromomethane	U		0.0180	0.100	1	09/18/2020 00:12	WG1545111
Chloroethane	U		0.0432	0.200	1	09/18/2020 00:12	WG1545111
Chloroform	U		0.0166	0.100	1	09/18/2020 00:12	WG1545111
Chloromethane	U		0.0556	0.500	1	09/18/2020 00:12	WG1545111
2-Chlorotoluene	U		0.0368	0.100	1	09/18/2020 00:12	WG1545111
4-Chlorotoluene	U		0.0452	0.200	1	09/18/2020 00:12	WG1545111
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	09/18/2020 00:12	WG1545111
1,2-Dibromoethane	U		0.0210	0.100	1	09/18/2020 00:12	WG1545111
Dibromomethane	U	J0	0.0400	0.200	1	09/18/2020 00:12	WG1545111
1,2-Dichlorobenzene	U		0.0580	0.200	1	09/18/2020 00:12	WG1545111
1,3-Dichlorobenzene	U		0.0680	0.200	1	09/18/2020 00:12	WG1545111
1,4-Dichlorobenzene	U		0.0788	0.200	1	09/18/2020 00:12	WG1545111
Dichlorodifluoromethane	U		0.0327	0.100	1	09/18/2020 00:12	WG1545111
1,1-Dichloroethane	U		0.0230	0.100	1	09/18/2020 00:12	WG1545111
1,2-Dichloroethane	U	J0	0.0190	0.100	1	09/18/2020 00:12	WG1545111
1,1-Dichloroethene	U		0.0200	0.100	1	09/18/2020 00:12	WG1545111
cis-1,2-Dichloroethene	U		0.0276	0.100	1	09/18/2020 00:12	WG1545111
trans-1,2-Dichloroethene	U		0.0572	0.200	1	09/18/2020 00:12	WG1545111
1,2-Dichloropropane	U		0.0508	0.200	1	09/18/2020 00:12	WG1545111
1,1-Dichloropropene	U		0.0280	0.100	1	09/18/2020 00:12	WG1545111
1,3-Dichloropropane	U		0.0700	0.200	1	09/18/2020 00:12	WG1545111
cis-1,3-Dichloropropene	U		0.0271	0.100	1	09/18/2020 00:12	WG1545111
trans-1,3-Dichloropropene	U		0.0612	0.200	1	09/18/2020 00:12	WG1545111
2,2-Dichloropropane	U	J0	0.0317	0.100	1	09/18/2020 00:12	WG1545111
Di-isopropyl ether	U		0.0140	0.0400	1	09/18/2020 00:12	WG1545111
Ethylbenzene	U		0.0212	0.100	1	09/18/2020 00:12	WG1545111
Hexachloro-1,3-butadiene	U		0.508	1.00	1	09/18/2020 00:12	WG1545111
Isopropylbenzene	U		0.0345	0.100	1	09/18/2020 00:12	WG1545111
p-Isopropyltoluene	U		0.0932	0.200	1	09/18/2020 00:12	WG1545111
2-Butanone (MEK)	U		0.500	1.00	1	09/18/2020 00:12	WG1545111
Methylene Chloride	U		0.265	1.00	1	09/18/2020 00:12	WG1545111
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	09/18/2020 00:12	WG1545111
Methyl tert-butyl ether	U	J0	0.0118	0.0400	1	09/18/2020 00:12	WG1545111
Naphthalene	U		0.124	0.500	1	09/18/2020 00:12	WG1545111
n-Propylbenzene	U		0.0472	0.200	1	09/18/2020 00:12	WG1545111
Styrene	U		0.109	0.500	1	09/18/2020 00:12	WG1545111

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	09/18/2020 00:12	WG1545111
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	09/18/2020 00:12	WG1545111
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	09/18/2020 00:12	WG1545111
Tetrachloroethene	U		0.0280	0.100	1	09/18/2020 00:12	WG1545111
Toluene	U		0.0500	0.200	1	09/18/2020 00:12	WG1545111
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	09/18/2020 00:12	WG1545111
1,2,4-Trichlorobenzene	U		0.193	0.500	1	09/18/2020 00:12	WG1545111
1,1,1-Trichloroethane	U		0.0110	0.100	1	09/18/2020 00:12	WG1545111
1,1,2-Trichloroethane	U		0.0353	0.100	1	09/18/2020 00:12	WG1545111
Trichloroethene	U		0.0160	0.0400	1	09/18/2020 00:12	WG1545111
Trichlorofluoromethane	U		0.0200	0.100	1	09/18/2020 00:12	WG1545111
1,2,3-Trichloropropane	U		0.204	0.500	1	09/18/2020 00:12	WG1545111
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	09/18/2020 00:12	WG1545111
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	09/18/2020 00:12	WG1545111
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	09/18/2020 00:12	WG1545111
Vinyl chloride	U		0.0273	0.100	1	09/18/2020 00:12	WG1545111
Xylenes, Total	U		0.191	0.260	1	09/18/2020 00:12	WG1545111
Ethyl Ether	U	J0	0.0170	0.100	1	09/18/2020 00:12	WG1545111
Tetrahydrofuran	U	J0	0.0900	0.500	1	09/18/2020 00:12	WG1545111
Iodomethane	U	J0	0.242	0.500	1	09/18/2020 00:12	WG1545111
Allyl chloride	U		0.580	1.00	1	09/18/2020 00:12	WG1545111
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	09/18/2020 00:12	WG1545111
(S) Toluene-d8	*111*			*75.0-131*		*09/18/2020 00:12*	WG1545111
(S) 4-Bromofluorobenzene	*89.2*			*67.0-138*		*09/18/2020 00:12*	WG1545111
(S) 1,2-Dichloroethane-d4	*91.8*			*70.0-130*		*09/18/2020 00:12*	WG1545111

Method Blank (MB)

(MB) R3571334-1 09/16/20 15:24

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1261751-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1261751-01 09/16/20 15:34 • (DUP) R3571334-2 09/16/20 15:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Alkalinity	284000	286000	1	0.910		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1261905-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1261905-01 09/16/20 19:03 • (DUP) R3571334-4 09/16/20 19:12

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Alkalinity	104000	102000	1	2.08		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3571334-3 09/16/20 16:58

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Alkalinity	100000	99000	99.0	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3570525-1 09/15/20 09:26

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

L1261541-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1261541-01 09/15/20 14:08 • (DUP) R3570525-5 09/15/20 14:26

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	129000	125000	20	3.27		15
Nitrate	U	U	20	0.000		15
Sulfate	27700	27500	20	0.000		15

Sample Narrative:

OS: diluted due to matrix

L1261818-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1261818-02 09/15/20 18:07 • (DUP) R3570525-7 09/15/20 18:25

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	16300	16400	1	0.540		15
Nitrate	U	U	1	0.000		15
Sulfate	18500	18600	1	0.171		15

Laboratory Control Sample (LCS)

(LCS) R3570525-2 09/15/20 09:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	38800	97.0	80.0-120	
Nitrate	8000	7820	97.8	80.0-120	
Sulfate	40000	38800	97.0	80.0-120	

L1261690-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1261690-01 09/15/20 12:45 • (MS) R3570525-3 09/15/20 13:03 • (MSD) R3570525-4 09/15/20 13:21

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	688000	706000	706000	35.8	35.9	1	80.0-120	E V	E V	0.00876	15
Nitrate	5000	7020	12000	12000	100	100	1	80.0-120	E	E	0.0723	15
Sulfate	50000	124000	169000	169000	90.3	90.5	1	80.0-120	E	E	0.0597	15

L1261827-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1261827-01 09/15/20 16:35 • (MS) R3570525-6 09/15/20 16:53

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	7630	57800	100	1	80.0-120	
Nitrate	5000	1100	6080	99.6	1	80.0-120	
Sulfate	50000	18000	67900	99.8	1	80.0-120	

Method Blank (MB)

(MB) R3571805-1 09/17/20 18:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	332	J	102	1000

L1261677-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1261677-01 09/17/20 19:47 • (DUP) R3571805-3 09/17/20 19:59

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	3780	3570	1	5.63		20

Laboratory Control Sample (LCS)

(LCS) R3571805-2 09/17/20 18:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	75600	101	85.0-115	

L1261818-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1261818-02 09/17/20 22:14 • (MS) R3571805-4 09/17/20 22:29 • (MSD) R3571805-5 09/17/20 22:47

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	1300	50200	50600	97.8	98.6	1	80.0-120			0.774	20

L1261818-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1261818-03 09/17/20 22:59 • (MS) R3571805-6 09/17/20 23:17 • (MSD) R3571805-7 09/17/20 23:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	5190	54500	56100	98.5	102	1	80.0-120			2.95	20

Method Blank (MB)

(MB) R3571802-1 09/17/20 18:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	447	J	102	1000

L1261818-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1261818-04 09/17/20 19:48 • (DUP) R3571802-3 09/17/20 20:02

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	2060	1890	1	8.26		20

L1262253-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1262253-09 09/18/20 03:23 • (DUP) R3571802-8 09/18/20 03:39

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	975	876	1	10.6	J	20

Laboratory Control Sample (LCS)

(LCS) R3571802-2 09/17/20 18:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	75600	101	85.0-115	

L1261818-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1261818-05 09/17/20 20:22 • (MS) R3571802-4 09/17/20 20:44 • (MSD) R3571802-5 09/17/20 21:06

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	29700	77300	79200	95.2	99.0	1	80.0-120			2.47	20

L1262253-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1262253-02 09/17/20 23:23 • (MS) R3571802-6 09/17/20 23:47 • (MSD) R3571802-7 09/18/20 00:11

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	2630	50400	53400	95.5	102	1	80.0-120			5.86	20

Method Blank (MB)

(MB) R3572022-1 09/18/20 13:12

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) R3572022-2 09/18/20 13:15

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	5000	4840	96.7	80.0-120	
Manganese	50.0	50.4	101	80.0-120	

L1260097-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1260097-05 09/18/20 13:18 • (MS) R3572022-4 09/18/20 13:25 • (MSD) R3572022-5 09/18/20 13:28

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l		ug/l	ug/l	%	%		%			%	%
Iron	5000		4940	4960	98.9	99.2	1	75.0-125			0.344	20
Manganese	50.0		60.4	58.6	100	96.8	1	75.0-125			3.04	20

Method Blank (MB)

(MB) R3572373-2 09/18/20 20:46

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)	*107*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3572373-1 09/18/20 20:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5910	107	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*94.9*	*78.0-120*	

L1261415-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1261415-08 09/19/20 03:58 • (MS) R3572373-3 09/19/20 04:18 • (MSD) R3572373-4 09/19/20 04:39

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 %
Gasoline Range Organics-NWTPH	275000	61000	386000	327000	118	96.7	50	10.0-155			16.5	21
(S) a,a,a-Trifluorotoluene(FID)					*104*	*102*		*78.0-120*				

Method Blank (MB)

(MB) R3572698-2 09/21/20 04:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	38.7	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3572698-1 09/21/20 03:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5550	101	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*96.8*	*78.0-120*	

L1261978-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1261978-01 09/21/20 05:41 • (MS) R3572698-3 09/21/20 11:37 • (MSD) R3572698-4 09/21/20 12:02

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	126	6870	6800	123	121	1	10.0-155			1.02	21
(S) a,a,a-Trifluorotoluene(FID)					*103*	*102*		*78.0-120*				

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

Method Blank (MB)

(MB) R3571613-2 09/17/20 14:14

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

L1261829-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1261829-01 09/17/20 14:26 • (DUP) R3571613-3 09/17/20 15:24

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	8.75	9.63	1	9.58		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3571613-1 09/17/20 14:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methane	67.8	63.6	93.8	85.0-115	
Ethane	129	126	97.7	85.0-115	
Ethene	127	120	94.5	85.0-115	

Method Blank (MB)

(MB) R3572123-2 09/18/20 15:58

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

L1263266-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1263266-01 09/18/20 16:28 • (DUP) R3572123-3 09/18/20 16:44

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	2250	2300	1	2.20		20

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

(LCS) R3572123-1 09/18/20 15:33 • (LCSD) R3572123-4 09/18/20 17:02

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 %
Methane	67.8	62.0	66.0	91.4	97.3	85.0-115			6.25	20

Method Blank (MB)

(MB) R3571902-2 09/17/20 22:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		0.548	1.00
Acrylonitrile	U		0.0760	0.500
Benzene	U		0.0160	0.0400
Bromobenzene	U		0.0420	0.500
Bromodichloromethane	U		0.0315	0.100
Bromoform	U		0.239	1.00
Bromomethane	U		0.148	0.500
n-Butylbenzene	U		0.153	0.500
sec-Butylbenzene	U		0.101	0.500
tert-Butylbenzene	U		0.0620	0.200
Carbon tetrachloride	U		0.0432	0.200
Chlorobenzene	U		0.0229	0.100
Chlorodibromomethane	U		0.0180	0.100
Chloroethane	U		0.0432	0.200
Chloroform	U		0.0166	0.100
Chloromethane	U		0.0556	0.500
2-Chlorotoluene	U		0.0368	0.100
4-Chlorotoluene	U		0.0452	0.200
1,2-Dibromo-3-Chloropropane	U		0.204	1.00
1,2-Dibromoethane	U		0.0210	0.100
Dibromomethane	U		0.0400	0.200
1,2-Dichlorobenzene	U		0.0580	0.200
1,3-Dichlorobenzene	U		0.0680	0.200
1,4-Dichlorobenzene	U		0.0788	0.200
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
Dichlorodifluoromethane	U		0.0327	0.100
1,1-Dichloroethane	U		0.0230	0.100
1,2-Dichloroethane	U		0.0190	0.100
1,1-Dichloroethene	U		0.0200	0.100
cis-1,2-Dichloroethene	U		0.0276	0.100
trans-1,2-Dichloroethene	U		0.0572	0.200
1,2-Dichloropropane	U		0.0508	0.200
1,1-Dichloropropene	U		0.0280	0.100
1,3-Dichloropropane	U		0.0700	0.200
cis-1,3-Dichloropropene	U		0.0271	0.100
trans-1,3-Dichloropropene	U		0.0612	0.200
2,2-Dichloropropane	U		0.0317	0.100
Di-isopropyl ether	U		0.0140	0.0400
Ethylbenzene	U		0.0212	0.100
Ethyl ether	U		0.0170	0.100

Method Blank (MB)

(MB) R3571902-2 09/17/20 22:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.508	1.00
Iodomethane	U		0.242	0.500
Isopropylbenzene	U		0.0345	0.100
p-Isopropyltoluene	U		0.0932	0.200
2-Butanone (MEK)	U		0.500	1.00
Methylene Chloride	U		0.265	1.00
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00
Methyl tert-butyl ether	U		0.0118	0.0400
Naphthalene	U		0.124	0.500
n-Propylbenzene	U		0.0472	0.200
Styrene	U		0.109	0.500
1,1,1,2-Tetrachloroethane	U		0.0200	0.100
1,1,2,2-Tetrachloroethane	U		0.0156	0.100
Tetrachloroethene	U		0.0280	0.100
Tetrahydrofuran	U		0.0900	0.500
Toluene	U		0.0500	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100
1,2,3-Trichlorobenzene	U		0.0250	0.500
1,2,4-Trichlorobenzene	U		0.193	0.500
1,1,1-Trichloroethane	U		0.0110	0.100
1,1,2-Trichloroethane	U		0.0353	0.100
Trichloroethene	U		0.0160	0.0400
Trichlorofluoromethane	U		0.0200	0.100
1,2,3-Trichloropropane	U		0.204	0.500
1,2,3-Trimethylbenzene	U		0.0460	0.200
1,2,4-Trimethylbenzene	U		0.0464	0.200
1,3,5-Trimethylbenzene	U		0.0432	0.200
Vinyl chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
Allyl Chloride	U		0.580	1.00
(S) Toluene-d8	*114*			*75.0-131*
(S) 4-Bromofluorobenzene	*87.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*85.1*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3571902-1 09/17/20 21:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	6.82	27.3	10.0-160	
Acrylonitrile	25.0	14.0	56.0	45.0-153	
Benzene	5.00	4.52	90.4	70.0-123	
Bromobenzene	5.00	5.27	105	73.0-121	
Bromodichloromethane	5.00	4.34	86.8	73.0-121	
Bromoform	5.00	4.26	85.2	64.0-132	
Bromomethane	5.00	4.99	99.8	56.0-147	
n-Butylbenzene	5.00	5.01	100	68.0-135	
sec-Butylbenzene	5.00	5.82	116	74.0-130	
tert-Butylbenzene	5.00	5.42	108	75.0-127	
Carbon tetrachloride	5.00	4.70	94.0	66.0-128	
Chlorobenzene	5.00	4.80	96.0	76.0-128	
Chlorodibromomethane	5.00	4.75	95.0	74.0-127	
Chloroethane	5.00	5.17	103	61.0-134	
Chloroform	5.00	4.32	86.4	72.0-123	
Chloromethane	5.00	4.86	97.2	51.0-138	
2-Chlorotoluene	5.00	4.73	94.6	75.0-124	
4-Chlorotoluene	5.00	4.99	99.8	75.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.19	83.8	59.0-130	
1,2-Dibromoethane	5.00	4.82	96.4	74.0-128	
Dibromomethane	5.00	4.25	85.0	75.0-122	
1,2-Dichlorobenzene	5.00	4.78	95.6	76.0-124	
1,3-Dichlorobenzene	5.00	5.07	101	76.0-125	
1,4-Dichlorobenzene	5.00	4.77	95.4	77.0-121	
trans-1,4-Dichloro-2-butene	5.00	5.29	106	45.0-143	
Dichlorodifluoromethane	5.00	4.68	93.6	43.0-156	
1,1-Dichloroethane	5.00	4.42	88.4	70.0-127	
1,2-Dichloroethane	5.00	3.91	78.2	65.0-131	
1,1-Dichloroethene	5.00	5.04	101	65.0-131	
cis-1,2-Dichloroethene	5.00	4.46	89.2	73.0-125	
trans-1,2-Dichloroethene	5.00	4.68	93.6	71.0-125	
1,2-Dichloropropane	5.00	4.52	90.4	74.0-125	
1,1-Dichloropropene	5.00	4.66	93.2	73.0-125	
1,3-Dichloropropane	5.00	4.46	89.2	80.0-125	
cis-1,3-Dichloropropene	5.00	4.50	90.0	76.0-127	
trans-1,3-Dichloropropene	5.00	4.84	96.8	73.0-127	
2,2-Dichloropropane	5.00	3.85	77.0	59.0-135	
Di-isopropyl ether	5.00	4.28	85.6	60.0-136	
Ethylbenzene	5.00	4.75	95.0	74.0-126	
Ethyl ether	5.00	4.35	87.0	64.0-137	

Laboratory Control Sample (LCS)

(LCS) R3571902-1 09/17/20 21:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexachloro-1,3-butadiene	5.00	5.85	117	57.0-150	
Iodomethane	25.0	20.7	82.8	74.0-134	
Isopropylbenzene	5.00	4.64	92.8	72.0-127	
p-Isopropyltoluene	5.00	5.50	110	72.0-133	
2-Butanone (MEK)	25.0	21.1	84.4	30.0-160	
Methylene Chloride	5.00	4.36	87.2	68.0-123	
4-Methyl-2-pentanone (MIBK)	25.0	22.4	89.6	56.0-143	
Methyl tert-butyl ether	5.00	3.58	71.6	66.0-132	
Naphthalene	5.00	4.82	96.4	59.0-130	
n-Propylbenzene	5.00	5.29	106	74.0-126	
Styrene	5.00	4.67	93.4	72.0-127	
1,1,1,2-Tetrachloroethane	5.00	4.68	93.6	74.0-129	
1,1,2,2-Tetrachloroethane	5.00	5.18	104	68.0-128	
Tetrachloroethene	5.00	5.30	106	70.0-136	
Tetrahydrofuran	5.00	3.81	76.2	37.0-146	
Toluene	5.00	5.21	104	75.0-121	
1,1,2-Trichlorotrifluoroethane	5.00	5.48	110	61.0-139	
1,2,3-Trichlorobenzene	5.00	5.06	101	59.0-139	
1,2,4-Trichlorobenzene	5.00	4.46	89.2	62.0-137	
1,1,1-Trichloroethane	5.00	4.30	86.0	69.0-126	
1,1,2-Trichloroethane	5.00	5.04	101	78.0-123	
Trichloroethene	5.00	4.59	91.8	76.0-126	
Trichlorofluoromethane	5.00	4.73	94.6	61.0-142	
1,2,3-Trichloropropane	5.00	4.45	89.0	67.0-129	
1,2,3-Trimethylbenzene	5.00	6.02	120	74.0-124	
1,2,4-Trimethylbenzene	5.00	5.12	102	70.0-126	
1,3,5-Trimethylbenzene	5.00	5.20	104	73.0-127	
Vinyl chloride	5.00	4.96	99.2	63.0-134	
Xylenes, Total	15.0	14.6	97.3	72.0-127	
Allyl chloride	25.0	24.5	98.0	70.0-131	
(S) Toluene-d8			*110*	*75.0-131*	
(S) 4-Bromofluorobenzene			*90.7*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*91.4*	*70.0-130*	

Method Blank (MB)

(MB) R3573067-2 09/19/20 00:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,2-Dichloroethene	U		0.0276	0.100
Vinyl chloride	U		0.0273	0.100
(S) Toluene-d8	*94.9*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3573067-1 09/19/20 00:13

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,2-Dichloroethene	5.00	5.07	101	73.0-125	
Vinyl chloride	5.00	4.69	93.8	63.0-134	
(S) Toluene-d8			*95.6*	*75.0-131*	
(S) 4-Bromofluorobenzene			*97.1*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*121*	*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
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

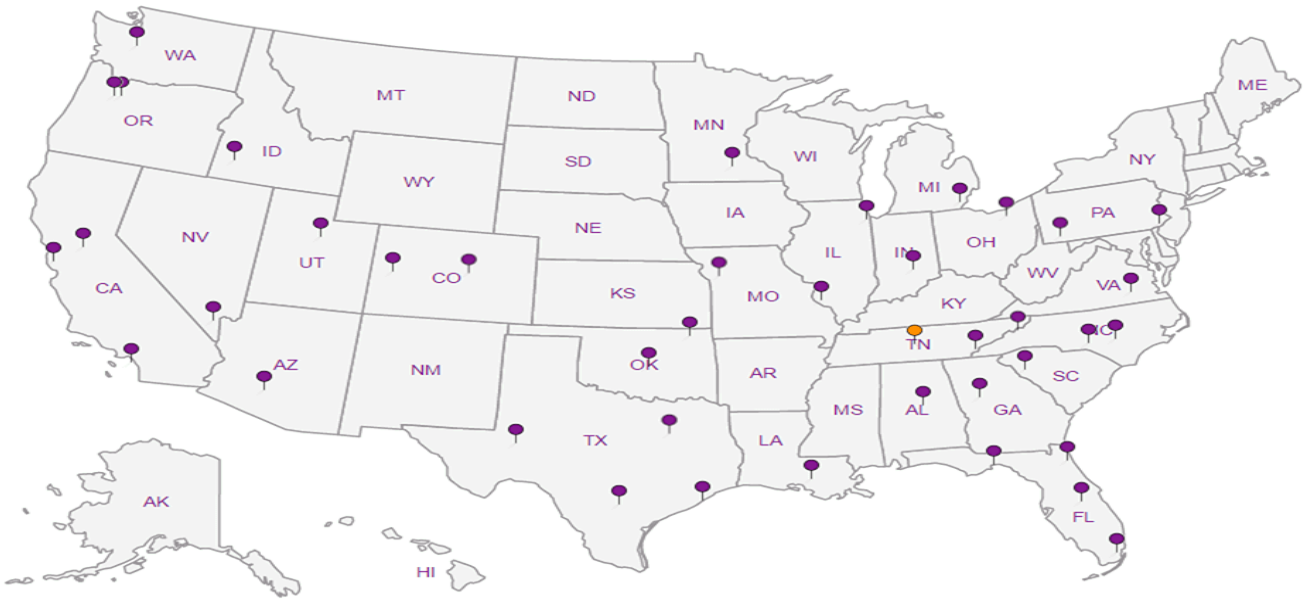
Third Party Federal Accreditations

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;

Project Description: American Linen

City/State Collected: Seattle, WA

Please Circle: PT MT CT ET

Phone: 206-529-3980

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Ben Hecht

Site/Facility ID # American Linen

P.O. #

Collected by (signature): Ben

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,Cl,SO4 125mlHDPE-NoPres	ALK 125mlHDPE-NoPres	RSK175LL 40mlAmb-HCl	TOC 250mlHDPE-HCl ✓2	Total Fe Mn 6020 250mlHDPE-HNO3 ✓2	V8260ULLC 40mlAmb HCl	NWTPH-Gx	Remarks	Sample # (lab only)
PRB-B14-091420	Grab	GW	67	9-14-20	9:45	12	X	X	X	X	X	X	X		-01
PRB-C19-091420	↓	GW	82		11:33	12	X	X	X	X	X	X	X	No label on Gx	-02
PRB-C23-091420		GW	90		12:10	12	X	X	X	X	X	X	X		-03
PRB-A19-091420		GW	51.75		13:20	12	X	X	X	X	X	X	X	No label on Gx	-04
PRB-A23-091420		GW	55		14:00	12	X	X	X	X	X	X	X		-05
TB-091420		GW	—		16:00	2						X	X		-06
		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 # L1261818

C075

Acctnum: PESENVSWA
Template: T170884
Prelogin: P788931
PM: 546 - Jared Starkey
PB:

Shipped Via: FedEX 2nd Day

* 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 # 9186 2497 9590

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)
	9-14-20	16:30	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
2 HCl / MeoH TBR

Temp: °C 2.6,1.2,2.5 AG CX

Bottles Received: 60

Date: 9/14 Time: 9:30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK