APPENDIX H

RI LABORATORY DATA

PART 4

L1139523-L1145065

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

September 25, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1139523
Samples Received:	09/14/2019
Project Number:	1413.001.02.501
Description:	American Linen
Site:	700 DEXTER AVE. N.
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Brian Ford
Project Manager

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

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MW-329-5 L1139523-01 Solid

Collected by: HW Small | Collected date/time: 09/12/19 10:20 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349348	1	09/20/19 12:23	09/20/19 12:40	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 10:20	09/20/19 11:36	ACG	Mt. Juliet, TN

MW-329-10 L1139523-02 Solid

Collected by: HW Small | Collected date/time: 09/12/19 10:24 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349348	1	09/20/19 12:23	09/20/19 12:40	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 10:24	09/20/19 11:57	ACG	Mt. Juliet, TN

MW-329-15 L1139523-03 Solid

Collected by: HW Small | Collected date/time: 09/12/19 10:27 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349348	1	09/20/19 12:23	09/20/19 12:40	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 10:27	09/20/19 12:19	ACG	Mt. Juliet, TN

MW-329-20 L1139523-04 Solid

Collected by: HW Small | Collected date/time: 09/12/19 10:30 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349349	1	09/20/19 17:51	09/20/19 18:00	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349125	1	09/12/19 10:30	09/20/19 12:40	ACG	Mt. Juliet, TN

MW-329-25 L1139523-05 Solid

Collected by: HW Small | Collected date/time: 09/12/19 10:50 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349349	1	09/20/19 17:51	09/20/19 18:00	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 10:50	09/20/19 22:42	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350186	1	09/12/19 10:50	09/22/19 16:59	JAH	Mt. Juliet, TN

MW-329-30 L1139523-06 Solid

Collected by: HW Small | Collected date/time: 09/12/19 10:55 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349349	1	09/20/19 17:51	09/20/19 18:00	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 10:55	09/20/19 23:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350186	1	09/12/19 10:55	09/22/19 16:39	JAH	Mt. Juliet, TN

MW-329-35 L1139523-07 Solid

Collected by: HW Small | Collected date/time: 09/12/19 11:05 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349349	1	09/20/19 17:51	09/20/19 18:00	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 11:05	09/20/19 23:54	DWR	Mt. Juliet, TN

MW-329-40 L1139523-08 Solid

Collected by: HW Small | Collected date/time: 09/12/19 11:10 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349349	1	09/20/19 17:51	09/20/19 18:00	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 11:10	09/21/19 00:15	DWR	Mt. Juliet, TN

MW-329-45 L1139523-09 Solid

Collected by: HW Small | Collected date/time: 09/12/19 11:15 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349349	1	09/20/19 17:51	09/20/19 18:00	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 11:15	09/21/19 00:35	DWR	Mt. Juliet, TN

MW-329-50 L1139523-10 Solid

Collected by: HW Small | Collected date/time: 09/12/19 11:25 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349349	1	09/20/19 17:51	09/20/19 18:00	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 11:25	09/21/19 00:56	DWR	Mt. Juliet, TN

MW-329-55 L1139523-11 Solid

Collected by: HW Small | Collected date/time: 09/12/19 11:30 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349349	1	09/20/19 17:51	09/20/19 18:00	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 11:30	09/21/19 01:16	DWR	Mt. Juliet, TN

MW-329-60 L1139523-12 Solid

Collected by: HW Small | Collected date/time: 09/12/19 11:35 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349349	1	09/20/19 17:51	09/20/19 18:00	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 11:35	09/21/19 01:37	DWR	Mt. Juliet, TN

MW-329-65 L1139523-13 Solid

Collected by: HW Small | Collected date/time: 09/12/19 11:45 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349349	1	09/20/19 17:51	09/20/19 18:00	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 11:45	09/21/19 01:57	DWR	Mt. Juliet, TN

MW-329-70 L1139523-14 Solid

Collected by: HW Small | Collected date/time: 09/12/19 11:50 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349352	1	09/20/19 17:40	09/20/19 17:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 11:50	09/21/19 02:18	DWR	Mt. Juliet, TN

MW-329-75 L1139523-15 Solid

Collected by: HW Small | Collected date/time: 09/12/19 11:55 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349352	1	09/20/19 17:40	09/20/19 17:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 11:55	09/21/19 02:38	DWR	Mt. Juliet, TN

MW-329-85 L1139523-16 Solid

Collected by: HW Small | Collected date/time: 09/12/19 13:50 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349352	1	09/20/19 17:40	09/20/19 17:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 13:50	09/21/19 02:59	DWR	Mt. Juliet, TN

MW-329-90 L1139523-17 Solid

Collected by: HW Small | Collected date/time: 09/12/19 14:20 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349352	1	09/20/19 17:40	09/20/19 17:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 14:20	09/21/19 03:19	DWR	Mt. Juliet, TN

MW-329-95 L1139523-18 Solid

Collected by: HW Small | Collected date/time: 09/12/19 14:25 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349352	1	09/20/19 17:40	09/20/19 17:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 14:25	09/21/19 03:40	DWR	Mt. Juliet, TN

MW-329-100 L1139523-19 Solid

Collected by: HW Small | Collected date/time: 09/12/19 14:30 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349352	1	09/20/19 17:40	09/20/19 17:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 14:30	09/21/19 04:00	DWR	Mt. Juliet, TN

MW-329-105 L1139523-20 Solid

Collected by: HW Small | Collected date/time: 09/12/19 14:35 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349352	1	09/20/19 17:40	09/20/19 17:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/12/19 14:35	09/21/19 04:21	DWR	Mt. Juliet, TN

MW-329-110 L1139523-21 Solid

Collected by: HW Small | Collected date/time: 09/12/19 14:40 | Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349352	1	09/20/19 17:40	09/20/19 17:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349721	1	09/17/19 08:06	09/21/19 04:41	DWR	Mt. Juliet, TN

MW-2003-50 L1139523-22 Solid

Collected by: HW Small
Collected date/time: 09/12/19 00:00
Received date/time: 09/14/19 08:45

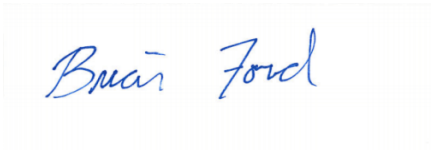
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1349352	1	09/20/19 17:40	09/20/19 17:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349767	1	09/12/19 00:00	09/21/19 08:05	DWR	Mt. Juliet, TN

TB091319 L1139523-23 GW

Collected by: HW Small
Collected date/time: 09/12/19 00:00
Received date/time: 09/14/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1349831	1	09/21/19 11:48	09/21/19 11:48	JAH	Mt. Juliet, TN

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



Brian Ford
Project Manager

Project Narrative

L1139523-21, MW-329-110: Field preserved methanol vial broken during shipping. Re-prepped from bulk soil jar at the lab.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	09/20/2019 12:40	WG1349348

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0146	0.0267	1	09/20/2019 11:36	WG1349125
Acrylonitrile	U		0.00203	0.0134	1	09/20/2019 11:36	WG1349125
Benzene	U		0.000428	0.00107	1	09/20/2019 11:36	WG1349125
Bromobenzene	U		0.00112	0.0134	1	09/20/2019 11:36	WG1349125
Bromodichloromethane	U		0.000842	0.00267	1	09/20/2019 11:36	WG1349125
Bromochloromethane	U		0.00121	0.00534	1	09/20/2019 11:36	WG1349125
Bromoform	U		0.00639	0.0267	1	09/20/2019 11:36	WG1349125
Bromomethane	U		0.00395	0.0134	1	09/20/2019 11:36	WG1349125
n-Butylbenzene	U		0.00410	0.0134	1	09/20/2019 11:36	WG1349125
sec-Butylbenzene	U		0.00270	0.0134	1	09/20/2019 11:36	WG1349125
tert-Butylbenzene	U		0.00166	0.00534	1	09/20/2019 11:36	WG1349125
Carbon disulfide	U		0.00434	0.0134	1	09/20/2019 11:36	WG1349125
Carbon tetrachloride	U		0.00115	0.00534	1	09/20/2019 11:36	WG1349125
Chlorobenzene	U		0.000612	0.00267	1	09/20/2019 11:36	WG1349125
Chlorodibromomethane	U		0.000481	0.00267	1	09/20/2019 11:36	WG1349125
Chloroethane	U		0.00115	0.00534	1	09/20/2019 11:36	WG1349125
Chloroform	U		0.000444	0.00267	1	09/20/2019 11:36	WG1349125
Chloromethane	U		0.00149	0.0134	1	09/20/2019 11:36	WG1349125
2-Chlorotoluene	U		0.000983	0.00267	1	09/20/2019 11:36	WG1349125
4-Chlorotoluene	U		0.00121	0.00534	1	09/20/2019 11:36	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00545	0.0267	1	09/20/2019 11:36	WG1349125
1,2-Dibromoethane	U		0.000561	0.00267	1	09/20/2019 11:36	WG1349125
Dibromomethane	U		0.00107	0.00534	1	09/20/2019 11:36	WG1349125
1,2-Dichlorobenzene	U		0.00155	0.00534	1	09/20/2019 11:36	WG1349125
1,3-Dichlorobenzene	U		0.00182	0.00534	1	09/20/2019 11:36	WG1349125
1,4-Dichlorobenzene	U		0.00211	0.00534	1	09/20/2019 11:36	WG1349125
Dichlorodifluoromethane	U		0.000874	0.00267	1	09/20/2019 11:36	WG1349125
1,1-Dichloroethane	U		0.000615	0.00267	1	09/20/2019 11:36	WG1349125
1,2-Dichloroethane	U		0.000508	0.00267	1	09/20/2019 11:36	WG1349125
1,1-Dichloroethene	U		0.000534	0.00267	1	09/20/2019 11:36	WG1349125
cis-1,2-Dichloroethene	0.00156	J	0.000737	0.00267	1	09/20/2019 11:36	WG1349125
trans-1,2-Dichloroethene	U		0.00153	0.00534	1	09/20/2019 11:36	WG1349125
1,2-Dichloropropane	U		0.00136	0.00534	1	09/20/2019 11:36	WG1349125
1,1-Dichloropropene	U		0.000748	0.00267	1	09/20/2019 11:36	WG1349125
1,3-Dichloropropane	U		0.00187	0.00534	1	09/20/2019 11:36	WG1349125
cis-1,3-Dichloropropene	U		0.000725	0.00267	1	09/20/2019 11:36	WG1349125
trans-1,3-Dichloropropene	U		0.00164	0.00534	1	09/20/2019 11:36	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00150	0.00534	1	09/20/2019 11:36	WG1349125
2,2-Dichloropropane	U		0.000848	0.00267	1	09/20/2019 11:36	WG1349125
Di-isopropyl ether	U		0.000374	0.00107	1	09/20/2019 11:36	WG1349125
Ethylbenzene	U		0.000566	0.00267	1	09/20/2019 11:36	WG1349125
Hexachloro-1,3-butadiene	U		0.0136	0.0267	1	09/20/2019 11:36	WG1349125
2-Hexanone	U		0.0107	0.0267	1	09/20/2019 11:36	WG1349125
n-Hexane	U		0.00113	0.00534	1	09/20/2019 11:36	WG1349125
Iodomethane	U		0.00647	0.0134	1	09/20/2019 11:36	WG1349125
Isopropylbenzene	U		0.000922	0.00267	1	09/20/2019 11:36	WG1349125
p-Isopropyltoluene	U		0.00249	0.00534	1	09/20/2019 11:36	WG1349125
2-Butanone (MEK)	U		0.0134	0.0267	1	09/20/2019 11:36	WG1349125
Methylene Chloride	U		0.00710	0.0267	1	09/20/2019 11:36	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0107	0.0267	1	09/20/2019 11:36	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000315	0.00107	1	09/20/2019 11:36	WG1349125
Naphthalene	U		0.00333	0.0134	1	09/20/2019 11:36	WG1349125
n-Propylbenzene	U		0.00126	0.00534	1	09/20/2019 11:36	WG1349125
Styrene	U		0.00292	0.0134	1	09/20/2019 11:36	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000534	0.00267	1	09/20/2019 11:36	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000417	0.00267	1	09/20/2019 11:36	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000721	0.00267	1	09/20/2019 11:36	WG1349125
Tetrachloroethene	U		0.000748	0.00267	1	09/20/2019 11:36	WG1349125
Toluene	0.00386	J	0.00134	0.00534	1	09/20/2019 11:36	WG1349125
1,2,3-Trichlorobenzene	U		0.000668	0.00267	1	09/20/2019 11:36	WG1349125
1,2,4-Trichlorobenzene	U		0.00515	0.0134	1	09/20/2019 11:36	WG1349125
1,1,1-Trichloroethane	U		0.000294	0.00267	1	09/20/2019 11:36	WG1349125
1,1,2-Trichloroethane	U		0.000944	0.00267	1	09/20/2019 11:36	WG1349125
Trichloroethene	U		0.000428	0.00107	1	09/20/2019 11:36	WG1349125
Trichlorofluoromethane	U		0.000534	0.00267	1	09/20/2019 11:36	WG1349125
1,2,3-Trichloropropane	U		0.00545	0.0134	1	09/20/2019 11:36	WG1349125
1,2,4-Trimethylbenzene	U		0.00124	0.00534	1	09/20/2019 11:36	WG1349125
1,2,3-Trimethylbenzene	U		0.00123	0.00534	1	09/20/2019 11:36	WG1349125
1,3,5-Trimethylbenzene	U		0.00115	0.00534	1	09/20/2019 11:36	WG1349125
Vinyl acetate	U		0.00376	0.0134	1	09/20/2019 11:36	WG1349125
Vinyl chloride	U		0.000730	0.00267	1	09/20/2019 11:36	WG1349125
Xylenes, Total	U		0.00511	0.00695	1	09/20/2019 11:36	WG1349125
(S) Toluene-d8	*106*			*75.0-131*		*09/20/2019 11:36*	WG1349125
(S) 4-Bromofluorobenzene	*96.9*			*67.0-138*		*09/20/2019 11:36*	WG1349125
(S) 1,2-Dichloroethane-d4	*96.0*			*70.0-130*		*09/20/2019 11:36*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.1		1	09/20/2019 12:40	WG1349348

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0282		0.0144	0.0263	1	09/20/2019 11:57	WG1349125
Acrylonitrile	U		0.00200	0.0131	1	09/20/2019 11:57	WG1349125
Benzene	U		0.000421	0.00105	1	09/20/2019 11:57	WG1349125
Bromobenzene	U		0.00110	0.0131	1	09/20/2019 11:57	WG1349125
Bromodichloromethane	U		0.000829	0.00263	1	09/20/2019 11:57	WG1349125
Bromochloromethane	U		0.00119	0.00526	1	09/20/2019 11:57	WG1349125
Bromoform	U		0.00629	0.0263	1	09/20/2019 11:57	WG1349125
Bromomethane	U		0.00389	0.0131	1	09/20/2019 11:57	WG1349125
n-Butylbenzene	U		0.00404	0.0131	1	09/20/2019 11:57	WG1349125
sec-Butylbenzene	U		0.00266	0.0131	1	09/20/2019 11:57	WG1349125
tert-Butylbenzene	U		0.00163	0.00526	1	09/20/2019 11:57	WG1349125
Carbon disulfide	U		0.00427	0.0131	1	09/20/2019 11:57	WG1349125
Carbon tetrachloride	U		0.00114	0.00526	1	09/20/2019 11:57	WG1349125
Chlorobenzene	U		0.000603	0.00263	1	09/20/2019 11:57	WG1349125
Chlorodibromomethane	U		0.000473	0.00263	1	09/20/2019 11:57	WG1349125
Chloroethane	U		0.00114	0.00526	1	09/20/2019 11:57	WG1349125
Chloroform	U		0.000437	0.00263	1	09/20/2019 11:57	WG1349125
Chloromethane	U		0.00146	0.0131	1	09/20/2019 11:57	WG1349125
2-Chlorotoluene	U		0.000968	0.00263	1	09/20/2019 11:57	WG1349125
4-Chlorotoluene	U		0.00119	0.00526	1	09/20/2019 11:57	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00536	0.0263	1	09/20/2019 11:57	WG1349125
1,2-Dibromoethane	U		0.000552	0.00263	1	09/20/2019 11:57	WG1349125
Dibromomethane	U		0.00105	0.00526	1	09/20/2019 11:57	WG1349125
1,2-Dichlorobenzene	U		0.00153	0.00526	1	09/20/2019 11:57	WG1349125
1,3-Dichlorobenzene	U		0.00179	0.00526	1	09/20/2019 11:57	WG1349125
1,4-Dichlorobenzene	U		0.00207	0.00526	1	09/20/2019 11:57	WG1349125
Dichlorodifluoromethane	U		0.000860	0.00263	1	09/20/2019 11:57	WG1349125
1,1-Dichloroethane	U		0.000605	0.00263	1	09/20/2019 11:57	WG1349125
1,2-Dichloroethane	U		0.000500	0.00263	1	09/20/2019 11:57	WG1349125
1,1-Dichloroethene	U		0.000526	0.00263	1	09/20/2019 11:57	WG1349125
cis-1,2-Dichloroethene	0.000902	J	0.000726	0.00263	1	09/20/2019 11:57	WG1349125
trans-1,2-Dichloroethene	U		0.00150	0.00526	1	09/20/2019 11:57	WG1349125
1,2-Dichloropropane	U		0.00134	0.00526	1	09/20/2019 11:57	WG1349125
1,1-Dichloropropene	U		0.000736	0.00263	1	09/20/2019 11:57	WG1349125
1,3-Dichloropropane	U		0.00184	0.00526	1	09/20/2019 11:57	WG1349125
cis-1,3-Dichloropropene	U		0.000713	0.00263	1	09/20/2019 11:57	WG1349125
trans-1,3-Dichloropropene	U		0.00161	0.00526	1	09/20/2019 11:57	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00147	0.00526	1	09/20/2019 11:57	WG1349125
2,2-Dichloropropane	U		0.000834	0.00263	1	09/20/2019 11:57	WG1349125
Di-isopropyl ether	U		0.000368	0.00105	1	09/20/2019 11:57	WG1349125
Ethylbenzene	U		0.000558	0.00263	1	09/20/2019 11:57	WG1349125
Hexachloro-1,3-butadiene	U		0.0134	0.0263	1	09/20/2019 11:57	WG1349125
2-Hexanone	U		0.0105	0.0263	1	09/20/2019 11:57	WG1349125
n-Hexane	U		0.00112	0.00526	1	09/20/2019 11:57	WG1349125
Iodomethane	U		0.00636	0.0131	1	09/20/2019 11:57	WG1349125
Isopropylbenzene	U		0.000908	0.00263	1	09/20/2019 11:57	WG1349125
p-Isopropyltoluene	U		0.00245	0.00526	1	09/20/2019 11:57	WG1349125
2-Butanone (MEK)	0.0194	B J	0.0131	0.0263	1	09/20/2019 11:57	WG1349125
Methylene Chloride	U		0.00698	0.0263	1	09/20/2019 11:57	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0105	0.0263	1	09/20/2019 11:57	WG1349125

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 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000310	0.00105	1	09/20/2019 11:57	WG1349125
Naphthalene	U		0.00328	0.0131	1	09/20/2019 11:57	WG1349125
n-Propylbenzene	U		0.00124	0.00526	1	09/20/2019 11:57	WG1349125
Styrene	U		0.00287	0.0131	1	09/20/2019 11:57	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000526	0.00263	1	09/20/2019 11:57	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000410	0.00263	1	09/20/2019 11:57	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000710	0.00263	1	09/20/2019 11:57	WG1349125
Tetrachloroethene	U		0.000736	0.00263	1	09/20/2019 11:57	WG1349125
Toluene	0.0318		0.00131	0.00526	1	09/20/2019 11:57	WG1349125
1,2,3-Trichlorobenzene	U		0.000657	0.00263	1	09/20/2019 11:57	WG1349125
1,2,4-Trichlorobenzene	U		0.00507	0.0131	1	09/20/2019 11:57	WG1349125
1,1,1-Trichloroethane	U		0.000289	0.00263	1	09/20/2019 11:57	WG1349125
1,1,2-Trichloroethane	U		0.000929	0.00263	1	09/20/2019 11:57	WG1349125
Trichloroethene	U		0.000421	0.00105	1	09/20/2019 11:57	WG1349125
Trichlorofluoromethane	U		0.000526	0.00263	1	09/20/2019 11:57	WG1349125
1,2,3-Trichloropropane	U		0.00536	0.0131	1	09/20/2019 11:57	WG1349125
1,2,4-Trimethylbenzene	U		0.00122	0.00526	1	09/20/2019 11:57	WG1349125
1,2,3-Trimethylbenzene	U		0.00121	0.00526	1	09/20/2019 11:57	WG1349125
1,3,5-Trimethylbenzene	U		0.00114	0.00526	1	09/20/2019 11:57	WG1349125
Vinyl acetate	U		0.00370	0.0131	1	09/20/2019 11:57	WG1349125
Vinyl chloride	U		0.000718	0.00263	1	09/20/2019 11:57	WG1349125
Xylenes, Total	U		0.00503	0.00684	1	09/20/2019 11:57	WG1349125
(S) Toluene-d8	*105*			*75.0-131*		*09/20/2019 11:57*	WG1349125
(S) 4-Bromofluorobenzene	*96.5*			*67.0-138*		*09/20/2019 11:57*	WG1349125
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*		*09/20/2019 11:57*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	09/20/2019 12:40	WG1349348

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0205	J	0.0150	0.0274	1	09/20/2019 12:19	WG1349125
Acrylonitrile	U		0.00209	0.0137	1	09/20/2019 12:19	WG1349125
Benzene	U		0.000439	0.00110	1	09/20/2019 12:19	WG1349125
Bromobenzene	U		0.00115	0.0137	1	09/20/2019 12:19	WG1349125
Bromodichloromethane	U		0.000865	0.00274	1	09/20/2019 12:19	WG1349125
Bromochloromethane	U		0.00124	0.00549	1	09/20/2019 12:19	WG1349125
Bromoform	U		0.00657	0.0274	1	09/20/2019 12:19	WG1349125
Bromomethane	U		0.00406	0.0137	1	09/20/2019 12:19	WG1349125
n-Butylbenzene	U		0.00422	0.0137	1	09/20/2019 12:19	WG1349125
sec-Butylbenzene	U		0.00278	0.0137	1	09/20/2019 12:19	WG1349125
tert-Butylbenzene	U		0.00170	0.00549	1	09/20/2019 12:19	WG1349125
Carbon disulfide	U		0.00446	0.0137	1	09/20/2019 12:19	WG1349125
Carbon tetrachloride	U		0.00119	0.00549	1	09/20/2019 12:19	WG1349125
Chlorobenzene	U		0.000629	0.00274	1	09/20/2019 12:19	WG1349125
Chlorodibromomethane	U		0.000494	0.00274	1	09/20/2019 12:19	WG1349125
Chloroethane	U		0.00119	0.00549	1	09/20/2019 12:19	WG1349125
Chloroform	0.000572	J	0.000456	0.00274	1	09/20/2019 12:19	WG1349125
Chloromethane	U		0.00153	0.0137	1	09/20/2019 12:19	WG1349125
2-Chlorotoluene	U		0.00101	0.00274	1	09/20/2019 12:19	WG1349125
4-Chlorotoluene	U		0.00124	0.00549	1	09/20/2019 12:19	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00560	0.0274	1	09/20/2019 12:19	WG1349125
1,2-Dibromoethane	U		0.000576	0.00274	1	09/20/2019 12:19	WG1349125
Dibromomethane	U		0.00110	0.00549	1	09/20/2019 12:19	WG1349125
1,2-Dichlorobenzene	U		0.00159	0.00549	1	09/20/2019 12:19	WG1349125
1,3-Dichlorobenzene	U		0.00187	0.00549	1	09/20/2019 12:19	WG1349125
1,4-Dichlorobenzene	U		0.00216	0.00549	1	09/20/2019 12:19	WG1349125
Dichlorodifluoromethane	U		0.000898	0.00274	1	09/20/2019 12:19	WG1349125
1,1-Dichloroethane	U		0.000631	0.00274	1	09/20/2019 12:19	WG1349125
1,2-Dichloroethane	U		0.000522	0.00274	1	09/20/2019 12:19	WG1349125
1,1-Dichloroethene	U		0.000549	0.00274	1	09/20/2019 12:19	WG1349125
cis-1,2-Dichloroethene	U		0.000758	0.00274	1	09/20/2019 12:19	WG1349125
trans-1,2-Dichloroethene	U		0.00157	0.00549	1	09/20/2019 12:19	WG1349125
1,2-Dichloropropane	U		0.00139	0.00549	1	09/20/2019 12:19	WG1349125
1,1-Dichloropropene	U		0.000769	0.00274	1	09/20/2019 12:19	WG1349125
1,3-Dichloropropane	U		0.00192	0.00549	1	09/20/2019 12:19	WG1349125
cis-1,3-Dichloropropene	U		0.000744	0.00274	1	09/20/2019 12:19	WG1349125
trans-1,3-Dichloropropene	U		0.00168	0.00549	1	09/20/2019 12:19	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00154	0.00549	1	09/20/2019 12:19	WG1349125
2,2-Dichloropropane	U		0.000871	0.00274	1	09/20/2019 12:19	WG1349125
Di-isopropyl ether	U		0.000384	0.00110	1	09/20/2019 12:19	WG1349125
Ethylbenzene	U		0.000582	0.00274	1	09/20/2019 12:19	WG1349125
Hexachloro-1,3-butadiene	U		0.0139	0.0274	1	09/20/2019 12:19	WG1349125
2-Hexanone	U		0.0110	0.0274	1	09/20/2019 12:19	WG1349125
n-Hexane	0.00645		0.00116	0.00549	1	09/20/2019 12:19	WG1349125
Iodomethane	U		0.00664	0.0137	1	09/20/2019 12:19	WG1349125
Isopropylbenzene	U		0.000948	0.00274	1	09/20/2019 12:19	WG1349125
p-Isopropyltoluene	U		0.00256	0.00549	1	09/20/2019 12:19	WG1349125
2-Butanone (MEK)	0.0140	B J	0.0137	0.0274	1	09/20/2019 12:19	WG1349125
Methylene Chloride	U		0.00729	0.0274	1	09/20/2019 12:19	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0274	1	09/20/2019 12:19	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000324	0.00110	1	09/20/2019 12:19	WG1349125
Naphthalene	U		0.00343	0.0137	1	09/20/2019 12:19	WG1349125
n-Propylbenzene	U		0.00130	0.00549	1	09/20/2019 12:19	WG1349125
Styrene	U		0.00300	0.0137	1	09/20/2019 12:19	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000549	0.00274	1	09/20/2019 12:19	WG1349125
1,1,2,2-Tetrachloroethane	U		0.000428	0.00274	1	09/20/2019 12:19	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000741	0.00274	1	09/20/2019 12:19	WG1349125
Tetrachloroethene	U		0.000769	0.00274	1	09/20/2019 12:19	WG1349125
Toluene	0.00428	J	0.00137	0.00549	1	09/20/2019 12:19	WG1349125
1,2,3-Trichlorobenzene	U		0.000686	0.00274	1	09/20/2019 12:19	WG1349125
1,2,4-Trichlorobenzene	U		0.00529	0.0137	1	09/20/2019 12:19	WG1349125
1,1,1-Trichloroethane	U		0.000302	0.00274	1	09/20/2019 12:19	WG1349125
1,1,2-Trichloroethane	U		0.000969	0.00274	1	09/20/2019 12:19	WG1349125
Trichloroethene	U		0.000439	0.00110	1	09/20/2019 12:19	WG1349125
Trichlorofluoromethane	U		0.000549	0.00274	1	09/20/2019 12:19	WG1349125
1,2,3-Trichloropropane	U		0.00560	0.0137	1	09/20/2019 12:19	WG1349125
1,2,4-Trimethylbenzene	U		0.00127	0.00549	1	09/20/2019 12:19	WG1349125
1,2,3-Trimethylbenzene	U		0.00126	0.00549	1	09/20/2019 12:19	WG1349125
1,3,5-Trimethylbenzene	U		0.00119	0.00549	1	09/20/2019 12:19	WG1349125
Vinyl acetate	U		0.00386	0.0137	1	09/20/2019 12:19	WG1349125
Vinyl chloride	U		0.000750	0.00274	1	09/20/2019 12:19	WG1349125
Xylenes, Total	U		0.00525	0.00714	1	09/20/2019 12:19	WG1349125
(S) Toluene-d8	*107*			*75.0-131*		*09/20/2019 12:19*	WG1349125
(S) 4-Bromofluorobenzene	*97.8*			*67.0-138*		*09/20/2019 12:19*	WG1349125
(S) 1,2-Dichloroethane-d4	*96.2*			*70.0-130*		*09/20/2019 12:19*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.3		1	09/20/2019 18:00	WG1349349

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0384		0.0189	0.0346	1	09/20/2019 12:40	WG1349125
Acrylonitrile	U		0.00263	0.0173	1	09/20/2019 12:40	WG1349125
Benzene	0.00199		0.000553	0.00138	1	09/20/2019 12:40	WG1349125
Bromobenzene	U		0.00145	0.0173	1	09/20/2019 12:40	WG1349125
Bromodichloromethane	U		0.00109	0.00346	1	09/20/2019 12:40	WG1349125
Bromochloromethane	U		0.00156	0.00691	1	09/20/2019 12:40	WG1349125
Bromoform	U		0.00827	0.0346	1	09/20/2019 12:40	WG1349125
Bromomethane	U		0.00511	0.0173	1	09/20/2019 12:40	WG1349125
n-Butylbenzene	U		0.00531	0.0173	1	09/20/2019 12:40	WG1349125
sec-Butylbenzene	U		0.00350	0.0173	1	09/20/2019 12:40	WG1349125
tert-Butylbenzene	U		0.00214	0.00691	1	09/20/2019 12:40	WG1349125
Carbon disulfide	U		0.00561	0.0173	1	09/20/2019 12:40	WG1349125
Carbon tetrachloride	U		0.00149	0.00691	1	09/20/2019 12:40	WG1349125
Chlorobenzene	U		0.000792	0.00346	1	09/20/2019 12:40	WG1349125
Chlorodibromomethane	U		0.000622	0.00346	1	09/20/2019 12:40	WG1349125
Chloroethane	U		0.00149	0.00691	1	09/20/2019 12:40	WG1349125
Chloroform	U		0.000574	0.00346	1	09/20/2019 12:40	WG1349125
Chloromethane	U		0.00192	0.0173	1	09/20/2019 12:40	WG1349125
2-Chlorotoluene	U		0.00127	0.00346	1	09/20/2019 12:40	WG1349125
4-Chlorotoluene	U		0.00156	0.00691	1	09/20/2019 12:40	WG1349125
1,2-Dibromo-3-Chloropropane	U	J0	0.00705	0.0346	1	09/20/2019 12:40	WG1349125
1,2-Dibromoethane	U		0.000726	0.00346	1	09/20/2019 12:40	WG1349125
Dibromomethane	U		0.00138	0.00691	1	09/20/2019 12:40	WG1349125
1,2-Dichlorobenzene	U		0.00200	0.00691	1	09/20/2019 12:40	WG1349125
1,3-Dichlorobenzene	U		0.00235	0.00691	1	09/20/2019 12:40	WG1349125
1,4-Dichlorobenzene	U		0.00272	0.00691	1	09/20/2019 12:40	WG1349125
Dichlorodifluoromethane	U		0.00113	0.00346	1	09/20/2019 12:40	WG1349125
1,1-Dichloroethane	U		0.000795	0.00346	1	09/20/2019 12:40	WG1349125
1,2-Dichloroethane	U		0.000657	0.00346	1	09/20/2019 12:40	WG1349125
1,1-Dichloroethene	U		0.000691	0.00346	1	09/20/2019 12:40	WG1349125
cis-1,2-Dichloroethene	U		0.000954	0.00346	1	09/20/2019 12:40	WG1349125
trans-1,2-Dichloroethene	U		0.00198	0.00691	1	09/20/2019 12:40	WG1349125
1,2-Dichloropropane	U		0.00176	0.00691	1	09/20/2019 12:40	WG1349125
1,1-Dichloropropene	U		0.000968	0.00346	1	09/20/2019 12:40	WG1349125
1,3-Dichloropropane	U		0.00242	0.00691	1	09/20/2019 12:40	WG1349125
cis-1,3-Dichloropropene	U		0.000937	0.00346	1	09/20/2019 12:40	WG1349125
trans-1,3-Dichloropropene	U		0.00212	0.00691	1	09/20/2019 12:40	WG1349125
trans-1,4-Dichloro-2-butene	U		0.00194	0.00691	1	09/20/2019 12:40	WG1349125
2,2-Dichloropropane	U		0.00110	0.00346	1	09/20/2019 12:40	WG1349125
Di-isopropyl ether	0.000791	J	0.000484	0.00138	1	09/20/2019 12:40	WG1349125
Ethylbenzene	0.00123	J	0.000733	0.00346	1	09/20/2019 12:40	WG1349125
Hexachloro-1,3-butadiene	U		0.0176	0.0346	1	09/20/2019 12:40	WG1349125
2-Hexanone	U		0.0138	0.0346	1	09/20/2019 12:40	WG1349125
n-Hexane	U		0.00147	0.00691	1	09/20/2019 12:40	WG1349125
Iodomethane	U		0.00836	0.0173	1	09/20/2019 12:40	WG1349125
Isopropylbenzene	U		0.00119	0.00346	1	09/20/2019 12:40	WG1349125
p-Isopropyltoluene	U		0.00322	0.00691	1	09/20/2019 12:40	WG1349125
2-Butanone (MEK)	0.0202	B J	0.0173	0.0346	1	09/20/2019 12:40	WG1349125
Methylene Chloride	U		0.00918	0.0346	1	09/20/2019 12:40	WG1349125
4-Methyl-2-pentanone (MIBK)	U		0.0138	0.0346	1	09/20/2019 12:40	WG1349125

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000408	0.00138	1	09/20/2019 12:40	WG1349125
Naphthalene	U		0.00431	0.0173	1	09/20/2019 12:40	WG1349125
n-Propylbenzene	U		0.00163	0.00691	1	09/20/2019 12:40	WG1349125
Styrene	U		0.00377	0.0173	1	09/20/2019 12:40	WG1349125
1,1,1,2-Tetrachloroethane	U		0.000691	0.00346	1	09/20/2019 12:40	WG1349125
1,1,2,2-Tetrachloroethane	0.000783	J	0.000539	0.00346	1	09/20/2019 12:40	WG1349125
1,1,2-Trichlorotrifluoroethane	U		0.000933	0.00346	1	09/20/2019 12:40	WG1349125
Tetrachloroethene	U		0.000968	0.00346	1	09/20/2019 12:40	WG1349125
Toluene	0.00671	J	0.00173	0.00691	1	09/20/2019 12:40	WG1349125
1,2,3-Trichlorobenzene	U		0.000864	0.00346	1	09/20/2019 12:40	WG1349125
1,2,4-Trichlorobenzene	U		0.00666	0.0173	1	09/20/2019 12:40	WG1349125
1,1,1-Trichloroethane	U		0.000380	0.00346	1	09/20/2019 12:40	WG1349125
1,1,2-Trichloroethane	U		0.00122	0.00346	1	09/20/2019 12:40	WG1349125
Trichloroethene	U		0.000553	0.00138	1	09/20/2019 12:40	WG1349125
Trichlorofluoromethane	U		0.000691	0.00346	1	09/20/2019 12:40	WG1349125
1,2,3-Trichloropropane	U		0.00705	0.0173	1	09/20/2019 12:40	WG1349125
1,2,4-Trimethylbenzene	U		0.00160	0.00691	1	09/20/2019 12:40	WG1349125
1,2,3-Trimethylbenzene	U		0.00159	0.00691	1	09/20/2019 12:40	WG1349125
1,3,5-Trimethylbenzene	U		0.00149	0.00691	1	09/20/2019 12:40	WG1349125
Vinyl acetate	U		0.00487	0.0173	1	09/20/2019 12:40	WG1349125
Vinyl chloride	U		0.000944	0.00346	1	09/20/2019 12:40	WG1349125
Xylenes, Total	0.00687	J	0.00661	0.00899	1	09/20/2019 12:40	WG1349125
(S) Toluene-d8	*105*			*75.0-131*		*09/20/2019 12:40*	WG1349125
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*		*09/20/2019 12:40*	WG1349125
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*09/20/2019 12:40*	WG1349125

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	69.8		1	09/20/2019 18:00	WG1349349

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0205	B J	0.0196	0.0358	1	09/20/2019 22:42	WG1349721
Acrylonitrile	U		0.00272	0.0179	1	09/20/2019 22:42	WG1349721
Benzene	U		0.000573	0.00143	1	09/20/2019 22:42	WG1349721
Bromobenzene	U		0.00150	0.0179	1	09/20/2019 22:42	WG1349721
Bromodichloromethane	U		0.00113	0.00358	1	09/20/2019 22:42	WG1349721
Bromochloromethane	U		0.00162	0.00717	1	09/20/2019 22:42	WG1349721
Bromoform	U		0.00857	0.0358	1	09/20/2019 22:42	WG1349721
Bromomethane	U		0.00530	0.0179	1	09/20/2019 22:42	WG1349721
n-Butylbenzene	U		0.00550	0.0179	1	09/20/2019 22:42	WG1349721
sec-Butylbenzene	U		0.00363	0.0179	1	09/20/2019 22:42	WG1349721
tert-Butylbenzene	U		0.00222	0.00717	1	09/20/2019 22:42	WG1349721
Carbon disulfide	U	J4	0.00582	0.0179	1	09/20/2019 22:42	WG1349721
Carbon tetrachloride	U		0.00155	0.00717	1	09/20/2019 22:42	WG1349721
Chlorobenzene	U		0.000821	0.00358	1	09/20/2019 22:42	WG1349721
Chlorodibromomethane	U		0.000645	0.00358	1	09/20/2019 22:42	WG1349721
Chloroethane	U		0.00155	0.00717	1	09/20/2019 22:42	WG1349721
Chloroform	U		0.000595	0.00358	1	09/20/2019 22:42	WG1349721
Chloromethane	U		0.00199	0.0179	1	09/20/2019 22:42	WG1349721
2-Chlorotoluene	U		0.00132	0.00358	1	09/20/2019 22:42	WG1349721
4-Chlorotoluene	U		0.00162	0.00717	1	09/20/2019 22:42	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00731	0.0358	1	09/20/2019 22:42	WG1349721
1,2-Dibromoethane	U		0.000752	0.00358	1	09/20/2019 22:42	WG1349721
Dibromomethane	U		0.00143	0.00717	1	09/20/2019 22:42	WG1349721
1,2-Dichlorobenzene	U		0.00208	0.00717	1	09/20/2019 22:42	WG1349721
1,3-Dichlorobenzene	U		0.00244	0.00717	1	09/20/2019 22:42	WG1349721
1,4-Dichlorobenzene	U		0.00282	0.00717	1	09/20/2019 22:42	WG1349721
Dichlorodifluoromethane	U		0.00117	0.00358	1	09/20/2019 22:42	WG1349721
1,1-Dichloroethane	U		0.000824	0.00358	1	09/20/2019 22:42	WG1349721
1,2-Dichloroethane	U		0.000681	0.00358	1	09/20/2019 22:42	WG1349721
1,1-Dichloroethene	U		0.000717	0.00358	1	09/20/2019 22:42	WG1349721
cis-1,2-Dichloroethene	U		0.000989	0.00358	1	09/20/2019 22:42	WG1349721
trans-1,2-Dichloroethene	U		0.00205	0.00717	1	09/20/2019 22:42	WG1349721
1,2-Dichloropropane	U		0.00182	0.00717	1	09/20/2019 22:42	WG1349721
1,1-Dichloropropene	U		0.00100	0.00358	1	09/20/2019 22:42	WG1349721
1,3-Dichloropropane	U		0.00251	0.00717	1	09/20/2019 22:42	WG1349721
cis-1,3-Dichloropropene	U		0.000972	0.00358	1	09/20/2019 22:42	WG1349721
trans-1,3-Dichloropropene	U		0.00219	0.00717	1	09/20/2019 22:42	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00201	0.00717	1	09/20/2019 22:42	WG1349721
2,2-Dichloropropane	U		0.00114	0.00358	1	09/20/2019 22:42	WG1349721
Di-isopropyl ether	U		0.000502	0.00143	1	09/20/2019 22:42	WG1349721
Ethylbenzene	U		0.000760	0.00358	1	09/20/2019 22:42	WG1349721
Hexachloro-1,3-butadiene	U		0.0182	0.0358	1	09/20/2019 22:42	WG1349721
2-Hexanone	U		0.0143	0.0358	1	09/20/2019 22:42	WG1349721
n-Hexane	U		0.00152	0.00717	1	09/20/2019 22:42	WG1349721
Iodomethane	U		0.00867	0.0179	1	09/20/2019 22:42	WG1349721
Isopropylbenzene	U		0.00124	0.00358	1	09/20/2019 22:42	WG1349721
p-Isopropyltoluene	U		0.00334	0.00717	1	09/20/2019 22:42	WG1349721
2-Butanone (MEK)	U		0.0179	0.0358	1	09/20/2019 22:42	WG1349721
Methylene Chloride	0.0104	B J	0.00952	0.0358	1	09/20/2019 22:42	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0143	0.0358	1	09/20/2019 22:42	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000423	0.00143	1	09/20/2019 22:42	WG1349721
Naphthalene	U		0.00447	0.0179	1	09/20/2019 22:42	WG1349721
n-Propylbenzene	U		0.00169	0.00717	1	09/20/2019 22:42	WG1349721
Styrene	U		0.00391	0.0179	1	09/20/2019 22:42	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000717	0.00358	1	09/20/2019 22:42	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000559	0.00358	1	09/20/2019 22:42	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000967	0.00358	1	09/20/2019 22:42	WG1349721
Tetrachloroethene	U		0.00100	0.00358	1	09/22/2019 16:59	WG1350186
Toluene	0.00417	J	0.00179	0.00717	1	09/20/2019 22:42	WG1349721
1,2,3-Trichlorobenzene	U		0.000896	0.00358	1	09/20/2019 22:42	WG1349721
1,2,4-Trichlorobenzene	U		0.00691	0.0179	1	09/20/2019 22:42	WG1349721
1,1,1-Trichloroethane	U		0.000394	0.00358	1	09/20/2019 22:42	WG1349721
1,1,2-Trichloroethane	U		0.00127	0.00358	1	09/20/2019 22:42	WG1349721
Trichloroethene	U		0.000573	0.00143	1	09/20/2019 22:42	WG1349721
Trichlorofluoromethane	U		0.000717	0.00358	1	09/20/2019 22:42	WG1349721
1,2,3-Trichloropropane	U		0.00731	0.0179	1	09/20/2019 22:42	WG1349721
1,2,4-Trimethylbenzene	U		0.00166	0.00717	1	09/20/2019 22:42	WG1349721
1,2,3-Trimethylbenzene	U		0.00165	0.00717	1	09/20/2019 22:42	WG1349721
1,3,5-Trimethylbenzene	U		0.00155	0.00717	1	09/20/2019 22:42	WG1349721
Vinyl acetate	U		0.00504	0.0179	1	09/20/2019 22:42	WG1349721
Vinyl chloride	U		0.000979	0.00358	1	09/20/2019 22:42	WG1349721
Xylenes, Total	U		0.00685	0.00932	1	09/20/2019 22:42	WG1349721
(S) Toluene-d8	*105*			*75.0-131*		*09/20/2019 22:42*	WG1349721
(S) Toluene-d8	*106*			*75.0-131*		*09/22/2019 16:59*	WG1350186
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/20/2019 22:42*	WG1349721
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/22/2019 16:59*	WG1350186
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/20/2019 22:42*	WG1349721
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*09/22/2019 16:59*	WG1350186

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.0		1	09/20/2019 18:00	WG1349349

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0169	0.0309	1	09/20/2019 23:33	WG1349721
Acrylonitrile	U		0.00235	0.0154	1	09/20/2019 23:33	WG1349721
Benzene	0.00404		0.000494	0.00124	1	09/20/2019 23:33	WG1349721
Bromobenzene	U		0.00130	0.0154	1	09/20/2019 23:33	WG1349721
Bromodichloromethane	U		0.000973	0.00309	1	09/20/2019 23:33	WG1349721
Bromochloromethane	U		0.00140	0.00618	1	09/20/2019 23:33	WG1349721
Bromoform	U		0.00739	0.0309	1	09/20/2019 23:33	WG1349721
Bromomethane	U		0.00457	0.0154	1	09/20/2019 23:33	WG1349721
n-Butylbenzene	U		0.00474	0.0154	1	09/20/2019 23:33	WG1349721
sec-Butylbenzene	U		0.00313	0.0154	1	09/20/2019 23:33	WG1349721
tert-Butylbenzene	U		0.00191	0.00618	1	09/20/2019 23:33	WG1349721
Carbon disulfide	U	J4	0.00501	0.0154	1	09/20/2019 23:33	WG1349721
Carbon tetrachloride	U		0.00133	0.00618	1	09/20/2019 23:33	WG1349721
Chlorobenzene	U		0.000708	0.00309	1	09/20/2019 23:33	WG1349721
Chlorodibromomethane	U		0.000556	0.00309	1	09/20/2019 23:33	WG1349721
Chloroethane	U		0.00133	0.00618	1	09/20/2019 23:33	WG1349721
Chloroform	0.000522	B J	0.000513	0.00309	1	09/20/2019 23:33	WG1349721
Chloromethane	U		0.00172	0.0154	1	09/20/2019 23:33	WG1349721
2-Chlorotoluene	U		0.00114	0.00309	1	09/20/2019 23:33	WG1349721
4-Chlorotoluene	U		0.00140	0.00618	1	09/20/2019 23:33	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00630	0.0309	1	09/20/2019 23:33	WG1349721
1,2-Dibromoethane	U		0.000648	0.00309	1	09/20/2019 23:33	WG1349721
Dibromomethane	U		0.00124	0.00618	1	09/20/2019 23:33	WG1349721
1,2-Dichlorobenzene	U		0.00179	0.00618	1	09/20/2019 23:33	WG1349721
1,3-Dichlorobenzene	U		0.00210	0.00618	1	09/20/2019 23:33	WG1349721
1,4-Dichlorobenzene	U		0.00243	0.00618	1	09/20/2019 23:33	WG1349721
Dichlorodifluoromethane	U		0.00101	0.00309	1	09/20/2019 23:33	WG1349721
1,1-Dichloroethane	U		0.000710	0.00309	1	09/20/2019 23:33	WG1349721
1,2-Dichloroethane	U		0.000587	0.00309	1	09/20/2019 23:33	WG1349721
1,1-Dichloroethene	U		0.000618	0.00309	1	09/20/2019 23:33	WG1349721
cis-1,2-Dichloroethene	U		0.000852	0.00309	1	09/20/2019 23:33	WG1349721
trans-1,2-Dichloroethene	U		0.00177	0.00618	1	09/20/2019 23:33	WG1349721
1,2-Dichloropropane	U		0.00157	0.00618	1	09/20/2019 23:33	WG1349721
1,1-Dichloropropene	U		0.000865	0.00309	1	09/20/2019 23:33	WG1349721
1,3-Dichloropropane	U		0.00216	0.00618	1	09/20/2019 23:33	WG1349721
cis-1,3-Dichloropropene	U		0.000837	0.00309	1	09/20/2019 23:33	WG1349721
trans-1,3-Dichloropropene	U		0.00189	0.00618	1	09/20/2019 23:33	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00173	0.00618	1	09/20/2019 23:33	WG1349721
2,2-Dichloropropane	U		0.000980	0.00309	1	09/20/2019 23:33	WG1349721
Di-isopropyl ether	U		0.000432	0.00124	1	09/20/2019 23:33	WG1349721
Ethylbenzene	U		0.000655	0.00309	1	09/20/2019 23:33	WG1349721
Hexachloro-1,3-butadiene	U		0.0157	0.0309	1	09/20/2019 23:33	WG1349721
2-Hexanone	U		0.0124	0.0309	1	09/20/2019 23:33	WG1349721
n-Hexane	U		0.00131	0.00618	1	09/20/2019 23:33	WG1349721
Iodomethane	U		0.00747	0.0154	1	09/20/2019 23:33	WG1349721
Isopropylbenzene	U		0.00107	0.00309	1	09/20/2019 23:33	WG1349721
p-Isopropyltoluene	U		0.00288	0.00618	1	09/20/2019 23:33	WG1349721
2-Butanone (MEK)	U		0.0154	0.0309	1	09/20/2019 23:33	WG1349721
Methylene Chloride	0.0101	B J	0.00820	0.0309	1	09/20/2019 23:33	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0124	0.0309	1	09/20/2019 23:33	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000364	0.00124	1	09/20/2019 23:33	WG1349721
Naphthalene	U		0.00385	0.0154	1	09/20/2019 23:33	WG1349721
n-Propylbenzene	U		0.00146	0.00618	1	09/20/2019 23:33	WG1349721
Styrene	U		0.00337	0.0154	1	09/20/2019 23:33	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000618	0.00309	1	09/20/2019 23:33	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000482	0.00309	1	09/20/2019 23:33	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000834	0.00309	1	09/20/2019 23:33	WG1349721
Tetrachloroethene	U		0.000865	0.00309	1	09/22/2019 16:39	WG1350186
Toluene	0.00491	J	0.00154	0.00618	1	09/20/2019 23:33	WG1349721
1,2,3-Trichlorobenzene	U		0.000772	0.00309	1	09/20/2019 23:33	WG1349721
1,2,4-Trichlorobenzene	U		0.00595	0.0154	1	09/20/2019 23:33	WG1349721
1,1,1-Trichloroethane	U		0.000340	0.00309	1	09/20/2019 23:33	WG1349721
1,1,2-Trichloroethane	U		0.00109	0.00309	1	09/20/2019 23:33	WG1349721
Trichloroethene	U		0.000494	0.00124	1	09/20/2019 23:33	WG1349721
Trichlorofluoromethane	U		0.000618	0.00309	1	09/20/2019 23:33	WG1349721
1,2,3-Trichloropropane	U		0.00630	0.0154	1	09/20/2019 23:33	WG1349721
1,2,4-Trimethylbenzene	U		0.00143	0.00618	1	09/20/2019 23:33	WG1349721
1,2,3-Trimethylbenzene	U		0.00142	0.00618	1	09/20/2019 23:33	WG1349721
1,3,5-Trimethylbenzene	U		0.00133	0.00618	1	09/20/2019 23:33	WG1349721
Vinyl acetate	U		0.00435	0.0154	1	09/20/2019 23:33	WG1349721
Vinyl chloride	U		0.000844	0.00309	1	09/20/2019 23:33	WG1349721
Xylenes, Total	U		0.00590	0.00803	1	09/20/2019 23:33	WG1349721
(S) Toluene-d8	*107*			*75.0-131*		*09/20/2019 23:33*	WG1349721
(S) Toluene-d8	*104*			*75.0-131*		*09/22/2019 16:39*	WG1350186
(S) 4-Bromofluorobenzene	*98.6*			*67.0-138*		*09/20/2019 23:33*	WG1349721
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/22/2019 16:39*	WG1350186
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/20/2019 23:33*	WG1349721
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*		*09/22/2019 16:39*	WG1350186

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	81.6		1	09/20/2019 18:00	WG1349349

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0237	B J	0.0168	0.0306	1	09/20/2019 23:54	WG1349721
Acrylonitrile	U		0.00233	0.0153	1	09/20/2019 23:54	WG1349721
Benzene	U		0.000490	0.00123	1	09/20/2019 23:54	WG1349721
Bromobenzene	U		0.00129	0.0153	1	09/20/2019 23:54	WG1349721
Bromodichloromethane	U		0.000966	0.00306	1	09/20/2019 23:54	WG1349721
Bromochloromethane	U		0.00138	0.00613	1	09/20/2019 23:54	WG1349721
Bromoform	U		0.00733	0.0306	1	09/20/2019 23:54	WG1349721
Bromomethane	U		0.00453	0.0153	1	09/20/2019 23:54	WG1349721
n-Butylbenzene	U		0.00471	0.0153	1	09/20/2019 23:54	WG1349721
sec-Butylbenzene	U		0.00310	0.0153	1	09/20/2019 23:54	WG1349721
tert-Butylbenzene	U		0.00190	0.00613	1	09/20/2019 23:54	WG1349721
Carbon disulfide	U	J4	0.00498	0.0153	1	09/20/2019 23:54	WG1349721
Carbon tetrachloride	U		0.00132	0.00613	1	09/20/2019 23:54	WG1349721
Chlorobenzene	U		0.000702	0.00306	1	09/20/2019 23:54	WG1349721
Chlorodibromomethane	U		0.000551	0.00306	1	09/20/2019 23:54	WG1349721
Chloroethane	U		0.00132	0.00613	1	09/20/2019 23:54	WG1349721
Chloroform	U		0.000509	0.00306	1	09/20/2019 23:54	WG1349721
Chloromethane	U		0.00170	0.0153	1	09/20/2019 23:54	WG1349721
2-Chlorotoluene	U		0.00113	0.00306	1	09/20/2019 23:54	WG1349721
4-Chlorotoluene	U		0.00138	0.00613	1	09/20/2019 23:54	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00625	0.0306	1	09/20/2019 23:54	WG1349721
1,2-Dibromoethane	U		0.000643	0.00306	1	09/20/2019 23:54	WG1349721
Dibromomethane	U		0.00123	0.00613	1	09/20/2019 23:54	WG1349721
1,2-Dichlorobenzene	U		0.00178	0.00613	1	09/20/2019 23:54	WG1349721
1,3-Dichlorobenzene	U		0.00208	0.00613	1	09/20/2019 23:54	WG1349721
1,4-Dichlorobenzene	U		0.00241	0.00613	1	09/20/2019 23:54	WG1349721
Dichlorodifluoromethane	U		0.00100	0.00306	1	09/20/2019 23:54	WG1349721
1,1-Dichloroethane	U		0.000705	0.00306	1	09/20/2019 23:54	WG1349721
1,2-Dichloroethane	U		0.000582	0.00306	1	09/20/2019 23:54	WG1349721
1,1-Dichloroethene	U		0.000613	0.00306	1	09/20/2019 23:54	WG1349721
cis-1,2-Dichloroethene	U		0.000846	0.00306	1	09/20/2019 23:54	WG1349721
trans-1,2-Dichloroethene	U		0.00175	0.00613	1	09/20/2019 23:54	WG1349721
1,2-Dichloropropane	U		0.00156	0.00613	1	09/20/2019 23:54	WG1349721
1,1-Dichloropropene	U		0.000858	0.00306	1	09/20/2019 23:54	WG1349721
1,3-Dichloropropane	U		0.00214	0.00613	1	09/20/2019 23:54	WG1349721
cis-1,3-Dichloropropene	U		0.000831	0.00306	1	09/20/2019 23:54	WG1349721
trans-1,3-Dichloropropene	U		0.00187	0.00613	1	09/20/2019 23:54	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00172	0.00613	1	09/20/2019 23:54	WG1349721
2,2-Dichloropropane	U		0.000972	0.00306	1	09/20/2019 23:54	WG1349721
Di-isopropyl ether	U		0.000429	0.00123	1	09/20/2019 23:54	WG1349721
Ethylbenzene	U		0.000649	0.00306	1	09/20/2019 23:54	WG1349721
Hexachloro-1,3-butadiene	U		0.0156	0.0306	1	09/20/2019 23:54	WG1349721
2-Hexanone	U		0.0123	0.0306	1	09/20/2019 23:54	WG1349721
n-Hexane	U		0.00130	0.00613	1	09/20/2019 23:54	WG1349721
Iodomethane	U		0.00741	0.0153	1	09/20/2019 23:54	WG1349721
Isopropylbenzene	U		0.00106	0.00306	1	09/20/2019 23:54	WG1349721
p-Isopropyltoluene	U		0.00286	0.00613	1	09/20/2019 23:54	WG1349721
2-Butanone (MEK)	U		0.0153	0.0306	1	09/20/2019 23:54	WG1349721
Methylene Chloride	U		0.00814	0.0306	1	09/20/2019 23:54	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0123	0.0306	1	09/20/2019 23:54	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000361	0.00123	1	09/20/2019 23:54	WG1349721
Naphthalene	U		0.00382	0.0153	1	09/20/2019 23:54	WG1349721
n-Propylbenzene	U		0.00145	0.00613	1	09/20/2019 23:54	WG1349721
Styrene	U		0.00335	0.0153	1	09/20/2019 23:54	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000613	0.00306	1	09/20/2019 23:54	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000478	0.00306	1	09/20/2019 23:54	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000827	0.00306	1	09/20/2019 23:54	WG1349721
Tetrachloroethene	U		0.000858	0.00306	1	09/20/2019 23:54	WG1349721
Toluene	0.00574	J	0.00153	0.00613	1	09/20/2019 23:54	WG1349721
1,2,3-Trichlorobenzene	U		0.000766	0.00306	1	09/20/2019 23:54	WG1349721
1,2,4-Trichlorobenzene	U		0.00591	0.0153	1	09/20/2019 23:54	WG1349721
1,1,1-Trichloroethane	U		0.000337	0.00306	1	09/20/2019 23:54	WG1349721
1,1,2-Trichloroethane	U		0.00108	0.00306	1	09/20/2019 23:54	WG1349721
Trichloroethene	U		0.000490	0.00123	1	09/20/2019 23:54	WG1349721
Trichlorofluoromethane	0.00169	J	0.000613	0.00306	1	09/20/2019 23:54	WG1349721
1,2,3-Trichloropropane	U		0.00625	0.0153	1	09/20/2019 23:54	WG1349721
1,2,4-Trimethylbenzene	U		0.00142	0.00613	1	09/20/2019 23:54	WG1349721
1,2,3-Trimethylbenzene	U		0.00141	0.00613	1	09/20/2019 23:54	WG1349721
1,3,5-Trimethylbenzene	U		0.00132	0.00613	1	09/20/2019 23:54	WG1349721
Vinyl acetate	U		0.00431	0.0153	1	09/20/2019 23:54	WG1349721
Vinyl chloride	U		0.000837	0.00306	1	09/20/2019 23:54	WG1349721
Xylenes, Total	U		0.00586	0.00797	1	09/20/2019 23:54	WG1349721
(S) Toluene-d8	*103*			*75.0-131*		*09/20/2019 23:54*	WG1349721
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/20/2019 23:54*	WG1349721
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/20/2019 23:54*	WG1349721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.1		1	09/20/2019 18:00	WG1349349

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0263	B J	0.0169	0.0308	1	09/21/2019 00:15	WG1349721
Acrylonitrile	U		0.00234	0.0154	1	09/21/2019 00:15	WG1349721
Benzene	U		0.000493	0.00123	1	09/21/2019 00:15	WG1349721
Bromobenzene	U		0.00129	0.0154	1	09/21/2019 00:15	WG1349721
Bromodichloromethane	U		0.000971	0.00308	1	09/21/2019 00:15	WG1349721
Bromochloromethane	U		0.00139	0.00616	1	09/21/2019 00:15	WG1349721
Bromoform	U		0.00737	0.0308	1	09/21/2019 00:15	WG1349721
Bromomethane	U		0.00456	0.0154	1	09/21/2019 00:15	WG1349721
n-Butylbenzene	U		0.00473	0.0154	1	09/21/2019 00:15	WG1349721
sec-Butylbenzene	U		0.00312	0.0154	1	09/21/2019 00:15	WG1349721
tert-Butylbenzene	U		0.00191	0.00616	1	09/21/2019 00:15	WG1349721
Carbon disulfide	U	J4	0.00500	0.0154	1	09/21/2019 00:15	WG1349721
Carbon tetrachloride	U		0.00133	0.00616	1	09/21/2019 00:15	WG1349721
Chlorobenzene	U		0.000706	0.00308	1	09/21/2019 00:15	WG1349721
Chlorodibromomethane	U		0.000555	0.00308	1	09/21/2019 00:15	WG1349721
Chloroethane	U		0.00133	0.00616	1	09/21/2019 00:15	WG1349721
Chloroform	U		0.000512	0.00308	1	09/21/2019 00:15	WG1349721
Chloromethane	U		0.00171	0.0154	1	09/21/2019 00:15	WG1349721
2-Chlorotoluene	U		0.00113	0.00308	1	09/21/2019 00:15	WG1349721
4-Chlorotoluene	U		0.00139	0.00616	1	09/21/2019 00:15	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00629	0.0308	1	09/21/2019 00:15	WG1349721
1,2-Dibromoethane	U		0.000647	0.00308	1	09/21/2019 00:15	WG1349721
Dibromomethane	U		0.00123	0.00616	1	09/21/2019 00:15	WG1349721
1,2-Dichlorobenzene	U		0.00179	0.00616	1	09/21/2019 00:15	WG1349721
1,3-Dichlorobenzene	U		0.00210	0.00616	1	09/21/2019 00:15	WG1349721
1,4-Dichlorobenzene	U		0.00243	0.00616	1	09/21/2019 00:15	WG1349721
Dichlorodifluoromethane	U		0.00101	0.00308	1	09/21/2019 00:15	WG1349721
1,1-Dichloroethane	U		0.000709	0.00308	1	09/21/2019 00:15	WG1349721
1,2-Dichloroethane	U		0.000585	0.00308	1	09/21/2019 00:15	WG1349721
1,1-Dichloroethene	U		0.000616	0.00308	1	09/21/2019 00:15	WG1349721
cis-1,2-Dichloroethene	U		0.000850	0.00308	1	09/21/2019 00:15	WG1349721
trans-1,2-Dichloroethene	U		0.00176	0.00616	1	09/21/2019 00:15	WG1349721
1,2-Dichloropropane	U		0.00157	0.00616	1	09/21/2019 00:15	WG1349721
1,1-Dichloropropene	U		0.000863	0.00308	1	09/21/2019 00:15	WG1349721
1,3-Dichloropropane	U		0.00216	0.00616	1	09/21/2019 00:15	WG1349721
cis-1,3-Dichloropropene	U		0.000836	0.00308	1	09/21/2019 00:15	WG1349721
trans-1,3-Dichloropropene	U		0.00189	0.00616	1	09/21/2019 00:15	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00173	0.00616	1	09/21/2019 00:15	WG1349721
2,2-Dichloropropane	U		0.000977	0.00308	1	09/21/2019 00:15	WG1349721
Di-isopropyl ether	U		0.000431	0.00123	1	09/21/2019 00:15	WG1349721
Ethylbenzene	U		0.000653	0.00308	1	09/21/2019 00:15	WG1349721
Hexachloro-1,3-butadiene	U		0.0157	0.0308	1	09/21/2019 00:15	WG1349721
2-Hexanone	U		0.0123	0.0308	1	09/21/2019 00:15	WG1349721
n-Hexane	U		0.00131	0.00616	1	09/21/2019 00:15	WG1349721
Iodomethane	U		0.00746	0.0154	1	09/21/2019 00:15	WG1349721
Isopropylbenzene	U		0.00106	0.00308	1	09/21/2019 00:15	WG1349721
p-Isopropyltoluene	U		0.00287	0.00616	1	09/21/2019 00:15	WG1349721
2-Butanone (MEK)	U		0.0154	0.0308	1	09/21/2019 00:15	WG1349721
Methylene Chloride	U		0.00818	0.0308	1	09/21/2019 00:15	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0123	0.0308	1	09/21/2019 00:15	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000364	0.00123	1	09/21/2019 00:15	WG1349721
Naphthalene	U		0.00385	0.0154	1	09/21/2019 00:15	WG1349721
n-Propylbenzene	U		0.00145	0.00616	1	09/21/2019 00:15	WG1349721
Styrene	U		0.00336	0.0154	1	09/21/2019 00:15	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000616	0.00308	1	09/21/2019 00:15	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000481	0.00308	1	09/21/2019 00:15	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000832	0.00308	1	09/21/2019 00:15	WG1349721
Tetrachloroethene	U		0.000863	0.00308	1	09/21/2019 00:15	WG1349721
Toluene	0.00891		0.00154	0.00616	1	09/21/2019 00:15	WG1349721
1,2,3-Trichlorobenzene	U		0.000770	0.00308	1	09/21/2019 00:15	WG1349721
1,2,4-Trichlorobenzene	U		0.00594	0.0154	1	09/21/2019 00:15	WG1349721
1,1,1-Trichloroethane	U		0.000339	0.00308	1	09/21/2019 00:15	WG1349721
1,1,2-Trichloroethane	U		0.00109	0.00308	1	09/21/2019 00:15	WG1349721
Trichloroethene	U		0.000493	0.00123	1	09/21/2019 00:15	WG1349721
Trichlorofluoromethane	U		0.000616	0.00308	1	09/21/2019 00:15	WG1349721
1,2,3-Trichloropropane	U		0.00629	0.0154	1	09/21/2019 00:15	WG1349721
1,2,4-Trimethylbenzene	U		0.00143	0.00616	1	09/21/2019 00:15	WG1349721
1,2,3-Trimethylbenzene	U		0.00142	0.00616	1	09/21/2019 00:15	WG1349721
1,3,5-Trimethylbenzene	U		0.00133	0.00616	1	09/21/2019 00:15	WG1349721
Vinyl acetate	U		0.00434	0.0154	1	09/21/2019 00:15	WG1349721
Vinyl chloride	U		0.000842	0.00308	1	09/21/2019 00:15	WG1349721
Xylenes, Total	U		0.00589	0.00801	1	09/21/2019 00:15	WG1349721
(S) Toluene-d8	*103*			*75.0-131*		*09/21/2019 00:15*	WG1349721
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/21/2019 00:15*	WG1349721
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/21/2019 00:15*	WG1349721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.8		1	09/20/2019 18:00	WG1349349

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0249	B J	0.0163	0.0298	1	09/21/2019 00:35	WG1349721
Acrylonitrile	U		0.00227	0.0149	1	09/21/2019 00:35	WG1349721
Benzene	U		0.000477	0.00119	1	09/21/2019 00:35	WG1349721
Bromobenzene	U		0.00125	0.0149	1	09/21/2019 00:35	WG1349721
Bromodichloromethane	U		0.000940	0.00298	1	09/21/2019 00:35	WG1349721
Bromochloromethane	U		0.00135	0.00596	1	09/21/2019 00:35	WG1349721
Bromoform	U		0.00713	0.0298	1	09/21/2019 00:35	WG1349721
Bromomethane	U		0.00441	0.0149	1	09/21/2019 00:35	WG1349721
n-Butylbenzene	U		0.00458	0.0149	1	09/21/2019 00:35	WG1349721
sec-Butylbenzene	U		0.00302	0.0149	1	09/21/2019 00:35	WG1349721
tert-Butylbenzene	U		0.00185	0.00596	1	09/21/2019 00:35	WG1349721
Carbon disulfide	U	J4	0.00484	0.0149	1	09/21/2019 00:35	WG1349721
Carbon tetrachloride	U		0.00129	0.00596	1	09/21/2019 00:35	WG1349721
Chlorobenzene	U		0.000683	0.00298	1	09/21/2019 00:35	WG1349721
Chlorodibromomethane	U		0.000537	0.00298	1	09/21/2019 00:35	WG1349721
Chloroethane	U		0.00129	0.00596	1	09/21/2019 00:35	WG1349721
Chloroform	U		0.000495	0.00298	1	09/21/2019 00:35	WG1349721
Chloromethane	U		0.00166	0.0149	1	09/21/2019 00:35	WG1349721
2-Chlorotoluene	U		0.00110	0.00298	1	09/21/2019 00:35	WG1349721
4-Chlorotoluene	U		0.00135	0.00596	1	09/21/2019 00:35	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00608	0.0298	1	09/21/2019 00:35	WG1349721
1,2-Dibromoethane	U		0.000626	0.00298	1	09/21/2019 00:35	WG1349721
Dibromomethane	U		0.00119	0.00596	1	09/21/2019 00:35	WG1349721
1,2-Dichlorobenzene	U		0.00173	0.00596	1	09/21/2019 00:35	WG1349721
1,3-Dichlorobenzene	U		0.00203	0.00596	1	09/21/2019 00:35	WG1349721
1,4-Dichlorobenzene	U		0.00235	0.00596	1	09/21/2019 00:35	WG1349721
Dichlorodifluoromethane	U		0.000976	0.00298	1	09/21/2019 00:35	WG1349721
1,1-Dichloroethane	U		0.000686	0.00298	1	09/21/2019 00:35	WG1349721
1,2-Dichloroethane	U		0.000567	0.00298	1	09/21/2019 00:35	WG1349721
1,1-Dichloroethene	U		0.000596	0.00298	1	09/21/2019 00:35	WG1349721
cis-1,2-Dichloroethene	U		0.000823	0.00298	1	09/21/2019 00:35	WG1349721
trans-1,2-Dichloroethene	U		0.00171	0.00596	1	09/21/2019 00:35	WG1349721
1,2-Dichloropropane	U		0.00151	0.00596	1	09/21/2019 00:35	WG1349721
1,1-Dichloropropene	U		0.000835	0.00298	1	09/21/2019 00:35	WG1349721
1,3-Dichloropropane	U		0.00209	0.00596	1	09/21/2019 00:35	WG1349721
cis-1,3-Dichloropropene	U		0.000809	0.00298	1	09/21/2019 00:35	WG1349721
trans-1,3-Dichloropropene	U		0.00182	0.00596	1	09/21/2019 00:35	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00167	0.00596	1	09/21/2019 00:35	WG1349721
2,2-Dichloropropane	U		0.000946	0.00298	1	09/21/2019 00:35	WG1349721
Di-isopropyl ether	U		0.000417	0.00119	1	09/21/2019 00:35	WG1349721
Ethylbenzene	U		0.000632	0.00298	1	09/21/2019 00:35	WG1349721
Hexachloro-1,3-butadiene	U		0.0151	0.0298	1	09/21/2019 00:35	WG1349721
2-Hexanone	U		0.0119	0.0298	1	09/21/2019 00:35	WG1349721
n-Hexane	U		0.00126	0.00596	1	09/21/2019 00:35	WG1349721
Iodomethane	U		0.00722	0.0149	1	09/21/2019 00:35	WG1349721
Isopropylbenzene	U		0.00103	0.00298	1	09/21/2019 00:35	WG1349721
p-Isopropyltoluene	U		0.00278	0.00596	1	09/21/2019 00:35	WG1349721
2-Butanone (MEK)	U		0.0149	0.0298	1	09/21/2019 00:35	WG1349721
Methylene Chloride	U		0.00792	0.0298	1	09/21/2019 00:35	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0119	0.0298	1	09/21/2019 00:35	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000352	0.00119	1	09/21/2019 00:35	WG1349721
Naphthalene	U		0.00372	0.0149	1	09/21/2019 00:35	WG1349721
n-Propylbenzene	U		0.00141	0.00596	1	09/21/2019 00:35	WG1349721
Styrene	U		0.00326	0.0149	1	09/21/2019 00:35	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000596	0.00298	1	09/21/2019 00:35	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000465	0.00298	1	09/21/2019 00:35	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000805	0.00298	1	09/21/2019 00:35	WG1349721
Tetrachloroethene	U		0.000835	0.00298	1	09/21/2019 00:35	WG1349721
Toluene	0.00430	J	0.00149	0.00596	1	09/21/2019 00:35	WG1349721
1,2,3-Trichlorobenzene	U		0.000745	0.00298	1	09/21/2019 00:35	WG1349721
1,2,4-Trichlorobenzene	U		0.00575	0.0149	1	09/21/2019 00:35	WG1349721
1,1,1-Trichloroethane	U		0.000328	0.00298	1	09/21/2019 00:35	WG1349721
1,1,2-Trichloroethane	U		0.00105	0.00298	1	09/21/2019 00:35	WG1349721
Trichloroethene	U		0.000477	0.00119	1	09/21/2019 00:35	WG1349721
Trichlorofluoromethane	U		0.000596	0.00298	1	09/21/2019 00:35	WG1349721
1,2,3-Trichloropropane	U		0.00608	0.0149	1	09/21/2019 00:35	WG1349721
1,2,4-Trimethylbenzene	U		0.00138	0.00596	1	09/21/2019 00:35	WG1349721
1,2,3-Trimethylbenzene	U		0.00137	0.00596	1	09/21/2019 00:35	WG1349721
1,3,5-Trimethylbenzene	U		0.00129	0.00596	1	09/21/2019 00:35	WG1349721
Vinyl acetate	U		0.00420	0.0149	1	09/21/2019 00:35	WG1349721
Vinyl chloride	U		0.000815	0.00298	1	09/21/2019 00:35	WG1349721
Xylenes, Total	U		0.00570	0.00775	1	09/21/2019 00:35	WG1349721
(S) Toluene-d8	*105*			*75.0-131*		*09/21/2019 00:35*	WG1349721
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/21/2019 00:35*	WG1349721
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*		*09/21/2019 00:35*	WG1349721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.1		1	09/20/2019 18:00	WG1349349

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0176	B J	0.0169	0.0308	1	09/21/2019 00:56	WG1349721
Acrylonitrile	U		0.00234	0.0154	1	09/21/2019 00:56	WG1349721
Benzene	U		0.000493	0.00123	1	09/21/2019 00:56	WG1349721
Bromobenzene	U		0.00129	0.0154	1	09/21/2019 00:56	WG1349721
Bromodichloromethane	U		0.000971	0.00308	1	09/21/2019 00:56	WG1349721
Bromochloromethane	U		0.00139	0.00616	1	09/21/2019 00:56	WG1349721
Bromoform	U		0.00737	0.0308	1	09/21/2019 00:56	WG1349721
Bromomethane	U		0.00456	0.0154	1	09/21/2019 00:56	WG1349721
n-Butylbenzene	U		0.00473	0.0154	1	09/21/2019 00:56	WG1349721
sec-Butylbenzene	U		0.00312	0.0154	1	09/21/2019 00:56	WG1349721
tert-Butylbenzene	U		0.00191	0.00616	1	09/21/2019 00:56	WG1349721
Carbon disulfide	U	J4	0.00500	0.0154	1	09/21/2019 00:56	WG1349721
Carbon tetrachloride	U		0.00133	0.00616	1	09/21/2019 00:56	WG1349721
Chlorobenzene	U		0.000706	0.00308	1	09/21/2019 00:56	WG1349721
Chlorodibromomethane	U		0.000555	0.00308	1	09/21/2019 00:56	WG1349721
Chloroethane	U		0.00133	0.00616	1	09/21/2019 00:56	WG1349721
Chloroform	U		0.000512	0.00308	1	09/21/2019 00:56	WG1349721
Chloromethane	U		0.00171	0.0154	1	09/21/2019 00:56	WG1349721
2-Chlorotoluene	U		0.00113	0.00308	1	09/21/2019 00:56	WG1349721
4-Chlorotoluene	U		0.00139	0.00616	1	09/21/2019 00:56	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00629	0.0308	1	09/21/2019 00:56	WG1349721
1,2-Dibromoethane	U		0.000647	0.00308	1	09/21/2019 00:56	WG1349721
Dibromomethane	U		0.00123	0.00616	1	09/21/2019 00:56	WG1349721
1,2-Dichlorobenzene	U		0.00179	0.00616	1	09/21/2019 00:56	WG1349721
1,3-Dichlorobenzene	U		0.00210	0.00616	1	09/21/2019 00:56	WG1349721
1,4-Dichlorobenzene	U		0.00243	0.00616	1	09/21/2019 00:56	WG1349721
Dichlorodifluoromethane	U		0.00101	0.00308	1	09/21/2019 00:56	WG1349721
1,1-Dichloroethane	U		0.000709	0.00308	1	09/21/2019 00:56	WG1349721
1,2-Dichloroethane	U		0.000586	0.00308	1	09/21/2019 00:56	WG1349721
1,1-Dichloroethene	U		0.000616	0.00308	1	09/21/2019 00:56	WG1349721
cis-1,2-Dichloroethene	U		0.000851	0.00308	1	09/21/2019 00:56	WG1349721
trans-1,2-Dichloroethene	U		0.00176	0.00616	1	09/21/2019 00:56	WG1349721
1,2-Dichloropropane	U		0.00157	0.00616	1	09/21/2019 00:56	WG1349721
1,1-Dichloropropene	U		0.000863	0.00308	1	09/21/2019 00:56	WG1349721
1,3-Dichloropropane	U		0.00216	0.00616	1	09/21/2019 00:56	WG1349721
cis-1,3-Dichloropropene	U		0.000836	0.00308	1	09/21/2019 00:56	WG1349721
trans-1,3-Dichloropropene	U		0.00189	0.00616	1	09/21/2019 00:56	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00173	0.00616	1	09/21/2019 00:56	WG1349721
2,2-Dichloropropane	U		0.000978	0.00308	1	09/21/2019 00:56	WG1349721
Di-isopropyl ether	U		0.000431	0.00123	1	09/21/2019 00:56	WG1349721
Ethylbenzene	U		0.000653	0.00308	1	09/21/2019 00:56	WG1349721
Hexachloro-1,3-butadiene	U		0.0157	0.0308	1	09/21/2019 00:56	WG1349721
2-Hexanone	U		0.0123	0.0308	1	09/21/2019 00:56	WG1349721
n-Hexane	U		0.00131	0.00616	1	09/21/2019 00:56	WG1349721
Iodomethane	U		0.00746	0.0154	1	09/21/2019 00:56	WG1349721
Isopropylbenzene	U		0.00106	0.00308	1	09/21/2019 00:56	WG1349721
p-Isopropyltoluene	U		0.00287	0.00616	1	09/21/2019 00:56	WG1349721
2-Butanone (MEK)	U		0.0154	0.0308	1	09/21/2019 00:56	WG1349721
Methylene Chloride	U		0.00818	0.0308	1	09/21/2019 00:56	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0123	0.0308	1	09/21/2019 00:56	WG1349721

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 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000364	0.00123	1	09/21/2019 00:56	WG1349721
Naphthalene	U		0.00385	0.0154	1	09/21/2019 00:56	WG1349721
n-Propylbenzene	U		0.00145	0.00616	1	09/21/2019 00:56	WG1349721
Styrene	U		0.00337	0.0154	1	09/21/2019 00:56	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000616	0.00308	1	09/21/2019 00:56	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000481	0.00308	1	09/21/2019 00:56	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000832	0.00308	1	09/21/2019 00:56	WG1349721
Tetrachloroethene	U		0.000863	0.00308	1	09/21/2019 00:56	WG1349721
Toluene	0.00912		0.00154	0.00616	1	09/21/2019 00:56	WG1349721
1,2,3-Trichlorobenzene	U		0.000770	0.00308	1	09/21/2019 00:56	WG1349721
1,2,4-Trichlorobenzene	U		0.00594	0.0154	1	09/21/2019 00:56	WG1349721
1,1,1-Trichloroethane	U		0.000339	0.00308	1	09/21/2019 00:56	WG1349721
1,1,2-Trichloroethane	U		0.00109	0.00308	1	09/21/2019 00:56	WG1349721
Trichloroethene	U		0.000493	0.00123	1	09/21/2019 00:56	WG1349721
Trichlorofluoromethane	U		0.000616	0.00308	1	09/21/2019 00:56	WG1349721
1,2,3-Trichloropropane	U		0.00629	0.0154	1	09/21/2019 00:56	WG1349721
1,2,4-Trimethylbenzene	U		0.00143	0.00616	1	09/21/2019 00:56	WG1349721
1,2,3-Trimethylbenzene	U		0.00142	0.00616	1	09/21/2019 00:56	WG1349721
1,3,5-Trimethylbenzene	U		0.00133	0.00616	1	09/21/2019 00:56	WG1349721
Vinyl acetate	U		0.00434	0.0154	1	09/21/2019 00:56	WG1349721
Vinyl chloride	U		0.000842	0.00308	1	09/21/2019 00:56	WG1349721
Xylenes, Total	U		0.00589	0.00801	1	09/21/2019 00:56	WG1349721
(S) Toluene-d8	*108*			*75.0-131*		*09/21/2019 00:56*	WG1349721
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/21/2019 00:56*	WG1349721
(S) 1,2-Dichloroethane-d4	*96.5*			*70.0-130*		*09/21/2019 00:56*	WG1349721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.6		1	09/20/2019 18:00	WG1349349

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0158	0.0289	1	09/21/2019 01:16	WG1349721
Acrylonitrile	U		0.00219	0.0144	1	09/21/2019 01:16	WG1349721
Benzene	U		0.000462	0.00115	1	09/21/2019 01:16	WG1349721
Bromobenzene	U		0.00121	0.0144	1	09/21/2019 01:16	WG1349721
Bromodichloromethane	U		0.000910	0.00289	1	09/21/2019 01:16	WG1349721
Bromochloromethane	U		0.00130	0.00577	1	09/21/2019 01:16	WG1349721
Bromoform	U		0.00690	0.0289	1	09/21/2019 01:16	WG1349721
Bromomethane	U		0.00427	0.0144	1	09/21/2019 01:16	WG1349721
n-Butylbenzene	U		0.00443	0.0144	1	09/21/2019 01:16	WG1349721
sec-Butylbenzene	U		0.00292	0.0144	1	09/21/2019 01:16	WG1349721
tert-Butylbenzene	U		0.00179	0.00577	1	09/21/2019 01:16	WG1349721
Carbon disulfide	U	J4	0.00469	0.0144	1	09/21/2019 01:16	WG1349721
Carbon tetrachloride	U		0.00125	0.00577	1	09/21/2019 01:16	WG1349721
Chlorobenzene	U		0.000661	0.00289	1	09/21/2019 01:16	WG1349721
Chlorodibromomethane	U		0.000519	0.00289	1	09/21/2019 01:16	WG1349721
Chloroethane	U		0.00125	0.00577	1	09/21/2019 01:16	WG1349721
Chloroform	U		0.000479	0.00289	1	09/21/2019 01:16	WG1349721
Chloromethane	U		0.00160	0.0144	1	09/21/2019 01:16	WG1349721
2-Chlorotoluene	U		0.00106	0.00289	1	09/21/2019 01:16	WG1349721
4-Chlorotoluene	U		0.00130	0.00577	1	09/21/2019 01:16	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00589	0.0289	1	09/21/2019 01:16	WG1349721
1,2-Dibromoethane	U		0.000606	0.00289	1	09/21/2019 01:16	WG1349721
Dibromomethane	U		0.00115	0.00577	1	09/21/2019 01:16	WG1349721
1,2-Dichlorobenzene	U		0.00167	0.00577	1	09/21/2019 01:16	WG1349721
1,3-Dichlorobenzene	U		0.00196	0.00577	1	09/21/2019 01:16	WG1349721
1,4-Dichlorobenzene	U		0.00227	0.00577	1	09/21/2019 01:16	WG1349721
Dichlorodifluoromethane	U		0.000944	0.00289	1	09/21/2019 01:16	WG1349721
1,1-Dichloroethane	U		0.000664	0.00289	1	09/21/2019 01:16	WG1349721
1,2-Dichloroethane	U		0.000548	0.00289	1	09/21/2019 01:16	WG1349721
1,1-Dichloroethene	U		0.000577	0.00289	1	09/21/2019 01:16	WG1349721
cis-1,2-Dichloroethene	U		0.000797	0.00289	1	09/21/2019 01:16	WG1349721
trans-1,2-Dichloroethene	U		0.00165	0.00577	1	09/21/2019 01:16	WG1349721
1,2-Dichloropropane	U		0.00147	0.00577	1	09/21/2019 01:16	WG1349721
1,1-Dichloropropene	U		0.000808	0.00289	1	09/21/2019 01:16	WG1349721
1,3-Dichloropropane	U		0.00202	0.00577	1	09/21/2019 01:16	WG1349721
cis-1,3-Dichloropropene	U		0.000783	0.00289	1	09/21/2019 01:16	WG1349721
trans-1,3-Dichloropropene	U		0.00177	0.00577	1	09/21/2019 01:16	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00162	0.00577	1	09/21/2019 01:16	WG1349721
2,2-Dichloropropane	U		0.000915	0.00289	1	09/21/2019 01:16	WG1349721
Di-isopropyl ether	U		0.000404	0.00115	1	09/21/2019 01:16	WG1349721
Ethylbenzene	U		0.000612	0.00289	1	09/21/2019 01:16	WG1349721
Hexachloro-1,3-butadiene	U		0.0147	0.0289	1	09/21/2019 01:16	WG1349721
2-Hexanone	U		0.0115	0.0289	1	09/21/2019 01:16	WG1349721
n-Hexane	U		0.00122	0.00577	1	09/21/2019 01:16	WG1349721
Iodomethane	U		0.00698	0.0144	1	09/21/2019 01:16	WG1349721
Isopropylbenzene	U		0.000996	0.00289	1	09/21/2019 01:16	WG1349721
p-Isopropyltoluene	U		0.00269	0.00577	1	09/21/2019 01:16	WG1349721
2-Butanone (MEK)	U		0.0144	0.0289	1	09/21/2019 01:16	WG1349721
Methylene Chloride	U		0.00766	0.0289	1	09/21/2019 01:16	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0289	1	09/21/2019 01:16	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000341	0.00115	1	09/21/2019 01:16	WG1349721
Naphthalene	U		0.00360	0.0144	1	09/21/2019 01:16	WG1349721
n-Propylbenzene	U		0.00136	0.00577	1	09/21/2019 01:16	WG1349721
Styrene	U		0.00315	0.0144	1	09/21/2019 01:16	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000577	0.00289	1	09/21/2019 01:16	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000450	0.00289	1	09/21/2019 01:16	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000779	0.00289	1	09/21/2019 01:16	WG1349721
Tetrachloroethene	U		0.000808	0.00289	1	09/21/2019 01:16	WG1349721
Toluene	0.00740		0.00144	0.00577	1	09/21/2019 01:16	WG1349721
1,2,3-Trichlorobenzene	U		0.000721	0.00289	1	09/21/2019 01:16	WG1349721
1,2,4-Trichlorobenzene	U		0.00556	0.0144	1	09/21/2019 01:16	WG1349721
1,1,1-Trichloroethane	U		0.000317	0.00289	1	09/21/2019 01:16	WG1349721
1,1,2-Trichloroethane	U		0.00102	0.00289	1	09/21/2019 01:16	WG1349721
Trichloroethene	U		0.000462	0.00115	1	09/21/2019 01:16	WG1349721
Trichlorofluoromethane	U		0.000577	0.00289	1	09/21/2019 01:16	WG1349721
1,2,3-Trichloropropane	U		0.00589	0.0144	1	09/21/2019 01:16	WG1349721
1,2,4-Trimethylbenzene	U		0.00134	0.00577	1	09/21/2019 01:16	WG1349721
1,2,3-Trimethylbenzene	U		0.00133	0.00577	1	09/21/2019 01:16	WG1349721
1,3,5-Trimethylbenzene	U		0.00125	0.00577	1	09/21/2019 01:16	WG1349721
Vinyl acetate	U		0.00406	0.0144	1	09/21/2019 01:16	WG1349721
Vinyl chloride	U		0.000788	0.00289	1	09/21/2019 01:16	WG1349721
Xylenes, Total	U		0.00552	0.00750	1	09/21/2019 01:16	WG1349721
(S) Toluene-d8	*105*			*75.0-131*		*09/21/2019 01:16*	WG1349721
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/21/2019 01:16*	WG1349721
(S) 1,2-Dichloroethane-d4	*95.7*			*70.0-130*		*09/21/2019 01:16*	WG1349721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.5		1	09/20/2019 18:00	WG1349349

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0199	B J	0.0160	0.0292	1	09/21/2019 01:37	WG1349721
Acrylonitrile	U		0.00222	0.0146	1	09/21/2019 01:37	WG1349721
Benzene	0.00207		0.000468	0.00117	1	09/21/2019 01:37	WG1349721
Bromobenzene	U		0.00123	0.0146	1	09/21/2019 01:37	WG1349721
Bromodichloromethane	U		0.000922	0.00292	1	09/21/2019 01:37	WG1349721
Bromochloromethane	U		0.00132	0.00585	1	09/21/2019 01:37	WG1349721
Bromoform	U		0.00700	0.0292	1	09/21/2019 01:37	WG1349721
Bromomethane	U		0.00433	0.0146	1	09/21/2019 01:37	WG1349721
n-Butylbenzene	U		0.00449	0.0146	1	09/21/2019 01:37	WG1349721
sec-Butylbenzene	U		0.00296	0.0146	1	09/21/2019 01:37	WG1349721
tert-Butylbenzene	U		0.00181	0.00585	1	09/21/2019 01:37	WG1349721
Carbon disulfide	U	J4	0.00475	0.0146	1	09/21/2019 01:37	WG1349721
Carbon tetrachloride	U		0.00126	0.00585	1	09/21/2019 01:37	WG1349721
Chlorobenzene	U		0.000670	0.00292	1	09/21/2019 01:37	WG1349721
Chlorodibromomethane	U		0.000526	0.00292	1	09/21/2019 01:37	WG1349721
Chloroethane	U		0.00126	0.00585	1	09/21/2019 01:37	WG1349721
Chloroform	U		0.000485	0.00292	1	09/21/2019 01:37	WG1349721
Chloromethane	U		0.00163	0.0146	1	09/21/2019 01:37	WG1349721
2-Chlorotoluene	U		0.00108	0.00292	1	09/21/2019 01:37	WG1349721
4-Chlorotoluene	U		0.00132	0.00585	1	09/21/2019 01:37	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00597	0.0292	1	09/21/2019 01:37	WG1349721
1,2-Dibromoethane	U		0.000614	0.00292	1	09/21/2019 01:37	WG1349721
Dibromomethane	U		0.00117	0.00585	1	09/21/2019 01:37	WG1349721
1,2-Dichlorobenzene	U		0.00170	0.00585	1	09/21/2019 01:37	WG1349721
1,3-Dichlorobenzene	U		0.00199	0.00585	1	09/21/2019 01:37	WG1349721
1,4-Dichlorobenzene	U		0.00230	0.00585	1	09/21/2019 01:37	WG1349721
Dichlorodifluoromethane	U		0.000957	0.00292	1	09/21/2019 01:37	WG1349721
1,1-Dichloroethane	U		0.000673	0.00292	1	09/21/2019 01:37	WG1349721
1,2-Dichloroethane	U		0.000556	0.00292	1	09/21/2019 01:37	WG1349721
1,1-Dichloroethene	U		0.000585	0.00292	1	09/21/2019 01:37	WG1349721
cis-1,2-Dichloroethene	0.00179	J	0.000807	0.00292	1	09/21/2019 01:37	WG1349721
trans-1,2-Dichloroethene	U		0.00167	0.00585	1	09/21/2019 01:37	WG1349721
1,2-Dichloropropane	U		0.00149	0.00585	1	09/21/2019 01:37	WG1349721
1,1-Dichloropropene	U		0.000819	0.00292	1	09/21/2019 01:37	WG1349721
1,3-Dichloropropane	U		0.00205	0.00585	1	09/21/2019 01:37	WG1349721
cis-1,3-Dichloropropene	U		0.000793	0.00292	1	09/21/2019 01:37	WG1349721
trans-1,3-Dichloropropene	U		0.00179	0.00585	1	09/21/2019 01:37	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00164	0.00585	1	09/21/2019 01:37	WG1349721
2,2-Dichloropropane	U		0.000928	0.00292	1	09/21/2019 01:37	WG1349721
Di-isopropyl ether	U		0.000409	0.00117	1	09/21/2019 01:37	WG1349721
Ethylbenzene	U		0.000620	0.00292	1	09/21/2019 01:37	WG1349721
Hexachloro-1,3-butadiene	U		0.0149	0.0292	1	09/21/2019 01:37	WG1349721
2-Hexanone	U		0.0117	0.0292	1	09/21/2019 01:37	WG1349721
n-Hexane	U		0.00124	0.00585	1	09/21/2019 01:37	WG1349721
Iodomethane	U		0.00708	0.0146	1	09/21/2019 01:37	WG1349721
Isopropylbenzene	U		0.00101	0.00292	1	09/21/2019 01:37	WG1349721
p-Isopropyltoluene	U		0.00273	0.00585	1	09/21/2019 01:37	WG1349721
2-Butanone (MEK)	U		0.0146	0.0292	1	09/21/2019 01:37	WG1349721
Methylene Chloride	U		0.00777	0.0292	1	09/21/2019 01:37	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0292	1	09/21/2019 01:37	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000345	0.00117	1	09/21/2019 01:37	WG1349721
Naphthalene	U		0.00365	0.0146	1	09/21/2019 01:37	WG1349721
n-Propylbenzene	U		0.00138	0.00585	1	09/21/2019 01:37	WG1349721
Styrene	U		0.00319	0.0146	1	09/21/2019 01:37	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000585	0.00292	1	09/21/2019 01:37	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000456	0.00292	1	09/21/2019 01:37	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000790	0.00292	1	09/21/2019 01:37	WG1349721
Tetrachloroethene	U		0.000819	0.00292	1	09/21/2019 01:37	WG1349721
Toluene	0.00462	J	0.00146	0.00585	1	09/21/2019 01:37	WG1349721
1,2,3-Trichlorobenzene	U		0.000731	0.00292	1	09/21/2019 01:37	WG1349721
1,2,4-Trichlorobenzene	U		0.00564	0.0146	1	09/21/2019 01:37	WG1349721
1,1,1-Trichloroethane	U		0.000322	0.00292	1	09/21/2019 01:37	WG1349721
1,1,2-Trichloroethane	U		0.00103	0.00292	1	09/21/2019 01:37	WG1349721
Trichloroethene	U		0.000468	0.00117	1	09/21/2019 01:37	WG1349721
Trichlorofluoromethane	U		0.000585	0.00292	1	09/21/2019 01:37	WG1349721
1,2,3-Trichloropropane	U		0.00597	0.0146	1	09/21/2019 01:37	WG1349721
1,2,4-Trimethylbenzene	U		0.00136	0.00585	1	09/21/2019 01:37	WG1349721
1,2,3-Trimethylbenzene	U		0.00135	0.00585	1	09/21/2019 01:37	WG1349721
1,3,5-Trimethylbenzene	U		0.00126	0.00585	1	09/21/2019 01:37	WG1349721
Vinyl acetate	U		0.00412	0.0146	1	09/21/2019 01:37	WG1349721
Vinyl chloride	U		0.000799	0.00292	1	09/21/2019 01:37	WG1349721
Xylenes, Total	U		0.00559	0.00760	1	09/21/2019 01:37	WG1349721
(S) Toluene-d8	*105*			*75.0-131*		*09/21/2019 01:37*	WG1349721
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/21/2019 01:37*	WG1349721
(S) 1,2-Dichloroethane-d4	*98.2*			*70.0-130*		*09/21/2019 01:37*	WG1349721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.6		1	09/20/2019 18:00	WG1349349

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0349	B	0.0160	0.0292	1	09/21/2019 01:57	WG1349721
Acrylonitrile	U		0.00222	0.0146	1	09/21/2019 01:57	WG1349721
Benzene	0.0241		0.000467	0.00117	1	09/21/2019 01:57	WG1349721
Bromobenzene	U		0.00123	0.0146	1	09/21/2019 01:57	WG1349721
Bromodichloromethane	U		0.000921	0.00292	1	09/21/2019 01:57	WG1349721
Bromochloromethane	U		0.00132	0.00584	1	09/21/2019 01:57	WG1349721
Bromoform	U		0.00699	0.0292	1	09/21/2019 01:57	WG1349721
Bromomethane	U		0.00432	0.0146	1	09/21/2019 01:57	WG1349721
n-Butylbenzene	U		0.00449	0.0146	1	09/21/2019 01:57	WG1349721
sec-Butylbenzene	U		0.00296	0.0146	1	09/21/2019 01:57	WG1349721
tert-Butylbenzene	U		0.00181	0.00584	1	09/21/2019 01:57	WG1349721
Carbon disulfide	U	J4	0.00474	0.0146	1	09/21/2019 01:57	WG1349721
Carbon tetrachloride	U		0.00126	0.00584	1	09/21/2019 01:57	WG1349721
Chlorobenzene	U		0.000670	0.00292	1	09/21/2019 01:57	WG1349721
Chlorodibromomethane	U		0.000526	0.00292	1	09/21/2019 01:57	WG1349721
Chloroethane	U		0.00126	0.00584	1	09/21/2019 01:57	WG1349721
Chloroform	U		0.000485	0.00292	1	09/21/2019 01:57	WG1349721
Chloromethane	U		0.00162	0.0146	1	09/21/2019 01:57	WG1349721
2-Chlorotoluene	U		0.00108	0.00292	1	09/21/2019 01:57	WG1349721
4-Chlorotoluene	U		0.00132	0.00584	1	09/21/2019 01:57	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00596	0.0292	1	09/21/2019 01:57	WG1349721
1,2-Dibromoethane	U		0.000613	0.00292	1	09/21/2019 01:57	WG1349721
Dibromomethane	U		0.00117	0.00584	1	09/21/2019 01:57	WG1349721
1,2-Dichlorobenzene	U		0.00169	0.00584	1	09/21/2019 01:57	WG1349721
1,3-Dichlorobenzene	U		0.00199	0.00584	1	09/21/2019 01:57	WG1349721
1,4-Dichlorobenzene	U		0.00230	0.00584	1	09/21/2019 01:57	WG1349721
Dichlorodifluoromethane	U		0.000956	0.00292	1	09/21/2019 01:57	WG1349721
1,1-Dichloroethane	U		0.000672	0.00292	1	09/21/2019 01:57	WG1349721
1,2-Dichloroethane	U		0.000555	0.00292	1	09/21/2019 01:57	WG1349721
1,1-Dichloroethene	U		0.000584	0.00292	1	09/21/2019 01:57	WG1349721
cis-1,2-Dichloroethene	0.0140		0.000806	0.00292	1	09/21/2019 01:57	WG1349721
trans-1,2-Dichloroethene	U		0.00167	0.00584	1	09/21/2019 01:57	WG1349721
1,2-Dichloropropane	U		0.00148	0.00584	1	09/21/2019 01:57	WG1349721
1,1-Dichloropropene	U		0.000818	0.00292	1	09/21/2019 01:57	WG1349721
1,3-Dichloropropane	U		0.00204	0.00584	1	09/21/2019 01:57	WG1349721
cis-1,3-Dichloropropene	U		0.000792	0.00292	1	09/21/2019 01:57	WG1349721
trans-1,3-Dichloropropene	U		0.00179	0.00584	1	09/21/2019 01:57	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00164	0.00584	1	09/21/2019 01:57	WG1349721
2,2-Dichloropropane	U		0.000927	0.00292	1	09/21/2019 01:57	WG1349721
Di-isopropyl ether	U		0.000409	0.00117	1	09/21/2019 01:57	WG1349721
Ethylbenzene	U		0.000619	0.00292	1	09/21/2019 01:57	WG1349721
Hexachloro-1,3-butadiene	U		0.0148	0.0292	1	09/21/2019 01:57	WG1349721
2-Hexanone	U		0.0117	0.0292	1	09/21/2019 01:57	WG1349721
n-Hexane	U		0.00124	0.00584	1	09/21/2019 01:57	WG1349721
Iodomethane	U		0.00707	0.0146	1	09/21/2019 01:57	WG1349721
Isopropylbenzene	U		0.00101	0.00292	1	09/21/2019 01:57	WG1349721
p-Isopropyltoluene	U		0.00272	0.00584	1	09/21/2019 01:57	WG1349721
2-Butanone (MEK)	U		0.0146	0.0292	1	09/21/2019 01:57	WG1349721
Methylene Chloride	U		0.00776	0.0292	1	09/21/2019 01:57	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0292	1	09/21/2019 01:57	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000345	0.00117	1	09/21/2019 01:57	WG1349721
Naphthalene	U		0.00365	0.0146	1	09/21/2019 01:57	WG1349721
n-Propylbenzene	U		0.00138	0.00584	1	09/21/2019 01:57	WG1349721
Styrene	U		0.00319	0.0146	1	09/21/2019 01:57	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000584	0.00292	1	09/21/2019 01:57	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000456	0.00292	1	09/21/2019 01:57	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000789	0.00292	1	09/21/2019 01:57	WG1349721
Tetrachloroethene	U		0.000818	0.00292	1	09/21/2019 01:57	WG1349721
Toluene	0.00466	J	0.00146	0.00584	1	09/21/2019 01:57	WG1349721
1,2,3-Trichlorobenzene	U		0.000730	0.00292	1	09/21/2019 01:57	WG1349721
1,2,4-Trichlorobenzene	U		0.00563	0.0146	1	09/21/2019 01:57	WG1349721
1,1,1-Trichloroethane	U		0.000321	0.00292	1	09/21/2019 01:57	WG1349721
1,1,2-Trichloroethane	U		0.00103	0.00292	1	09/21/2019 01:57	WG1349721
Trichloroethene	U		0.000467	0.00117	1	09/21/2019 01:57	WG1349721
Trichlorofluoromethane	U		0.000584	0.00292	1	09/21/2019 01:57	WG1349721
1,2,3-Trichloropropane	U		0.00596	0.0146	1	09/21/2019 01:57	WG1349721
1,2,4-Trimethylbenzene	U		0.00136	0.00584	1	09/21/2019 01:57	WG1349721
1,2,3-Trimethylbenzene	U		0.00134	0.00584	1	09/21/2019 01:57	WG1349721
1,3,5-Trimethylbenzene	U		0.00126	0.00584	1	09/21/2019 01:57	WG1349721
Vinyl acetate	U		0.00411	0.0146	1	09/21/2019 01:57	WG1349721
Vinyl chloride	U		0.000798	0.00292	1	09/21/2019 01:57	WG1349721
Xylenes, Total	U		0.00559	0.00760	1	09/21/2019 01:57	WG1349721
(S) Toluene-d8	*106*			*75.0-131*		*09/21/2019 01:57*	WG1349721
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/21/2019 01:57*	WG1349721
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/21/2019 01:57*	WG1349721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	09/20/2019 17:49	WG1349352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0228	B J	0.0160	0.0291	1	09/21/2019 02:18	WG1349721
Acrylonitrile	U		0.00221	0.0146	1	09/21/2019 02:18	WG1349721
Benzene	0.0340		0.000466	0.00117	1	09/21/2019 02:18	WG1349721
Bromobenzene	U		0.00122	0.0146	1	09/21/2019 02:18	WG1349721
Bromodichloromethane	U		0.000918	0.00291	1	09/21/2019 02:18	WG1349721
Bromochloromethane	U		0.00132	0.00583	1	09/21/2019 02:18	WG1349721
Bromoform	U		0.00697	0.0291	1	09/21/2019 02:18	WG1349721
Bromomethane	U		0.00431	0.0146	1	09/21/2019 02:18	WG1349721
n-Butylbenzene	U		0.00448	0.0146	1	09/21/2019 02:18	WG1349721
sec-Butylbenzene	U		0.00295	0.0146	1	09/21/2019 02:18	WG1349721
tert-Butylbenzene	U		0.00181	0.00583	1	09/21/2019 02:18	WG1349721
Carbon disulfide	U	J4	0.00473	0.0146	1	09/21/2019 02:18	WG1349721
Carbon tetrachloride	U		0.00126	0.00583	1	09/21/2019 02:18	WG1349721
Chlorobenzene	U		0.000668	0.00291	1	09/21/2019 02:18	WG1349721
Chlorodibromomethane	U		0.000524	0.00291	1	09/21/2019 02:18	WG1349721
Chloroethane	U		0.00126	0.00583	1	09/21/2019 02:18	WG1349721
Chloroform	U		0.000484	0.00291	1	09/21/2019 02:18	WG1349721
Chloromethane	U		0.00162	0.0146	1	09/21/2019 02:18	WG1349721
2-Chlorotoluene	U		0.00107	0.00291	1	09/21/2019 02:18	WG1349721
4-Chlorotoluene	U		0.00132	0.00583	1	09/21/2019 02:18	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00594	0.0291	1	09/21/2019 02:18	WG1349721
1,2-Dibromoethane	U		0.000612	0.00291	1	09/21/2019 02:18	WG1349721
Dibromomethane	U		0.00117	0.00583	1	09/21/2019 02:18	WG1349721
1,2-Dichlorobenzene	U		0.00169	0.00583	1	09/21/2019 02:18	WG1349721
1,3-Dichlorobenzene	U		0.00198	0.00583	1	09/21/2019 02:18	WG1349721
1,4-Dichlorobenzene	U		0.00230	0.00583	1	09/21/2019 02:18	WG1349721
Dichlorodifluoromethane	U		0.000953	0.00291	1	09/21/2019 02:18	WG1349721
1,1-Dichloroethane	U		0.000670	0.00291	1	09/21/2019 02:18	WG1349721
1,2-Dichloroethane	U		0.000554	0.00291	1	09/21/2019 02:18	WG1349721
1,1-Dichloroethene	U		0.000583	0.00291	1	09/21/2019 02:18	WG1349721
cis-1,2-Dichloroethene	0.0403		0.000804	0.00291	1	09/21/2019 02:18	WG1349721
trans-1,2-Dichloroethene	U		0.00167	0.00583	1	09/21/2019 02:18	WG1349721
1,2-Dichloropropane	U		0.00148	0.00583	1	09/21/2019 02:18	WG1349721
1,1-Dichloropropene	U		0.000816	0.00291	1	09/21/2019 02:18	WG1349721
1,3-Dichloropropane	U		0.00204	0.00583	1	09/21/2019 02:18	WG1349721
cis-1,3-Dichloropropene	U		0.000790	0.00291	1	09/21/2019 02:18	WG1349721
trans-1,3-Dichloropropene	U		0.00178	0.00583	1	09/21/2019 02:18	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00163	0.00583	1	09/21/2019 02:18	WG1349721
2,2-Dichloropropane	U		0.000924	0.00291	1	09/21/2019 02:18	WG1349721
Di-isopropyl ether	U		0.000408	0.00117	1	09/21/2019 02:18	WG1349721
Ethylbenzene	U		0.000618	0.00291	1	09/21/2019 02:18	WG1349721
Hexachloro-1,3-butadiene	U		0.0148	0.0291	1	09/21/2019 02:18	WG1349721
2-Hexanone	U		0.0117	0.0291	1	09/21/2019 02:18	WG1349721
n-Hexane	U		0.00124	0.00583	1	09/21/2019 02:18	WG1349721
Iodomethane	U		0.00705	0.0146	1	09/21/2019 02:18	WG1349721
Isopropylbenzene	U		0.00101	0.00291	1	09/21/2019 02:18	WG1349721
p-Isopropyltoluene	U		0.00272	0.00583	1	09/21/2019 02:18	WG1349721
2-Butanone (MEK)	U		0.0146	0.0291	1	09/21/2019 02:18	WG1349721
Methylene Chloride	U		0.00774	0.0291	1	09/21/2019 02:18	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0291	1	09/21/2019 02:18	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000344	0.00117	1	09/21/2019 02:18	WG1349721
Naphthalene	U		0.00364	0.0146	1	09/21/2019 02:18	WG1349721
n-Propylbenzene	U		0.00138	0.00583	1	09/21/2019 02:18	WG1349721
Styrene	U		0.00318	0.0146	1	09/21/2019 02:18	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000583	0.00291	1	09/21/2019 02:18	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000455	0.00291	1	09/21/2019 02:18	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000787	0.00291	1	09/21/2019 02:18	WG1349721
Tetrachloroethene	U		0.000816	0.00291	1	09/21/2019 02:18	WG1349721
Toluene	0.00431	J	0.00146	0.00583	1	09/21/2019 02:18	WG1349721
1,2,3-Trichlorobenzene	U		0.000728	0.00291	1	09/21/2019 02:18	WG1349721
1,2,4-Trichlorobenzene	U		0.00562	0.0146	1	09/21/2019 02:18	WG1349721
1,1,1-Trichloroethane	U		0.000320	0.00291	1	09/21/2019 02:18	WG1349721
1,1,2-Trichloroethane	U		0.00103	0.00291	1	09/21/2019 02:18	WG1349721
Trichloroethene	U		0.000466	0.00117	1	09/21/2019 02:18	WG1349721
Trichlorofluoromethane	U		0.000583	0.00291	1	09/21/2019 02:18	WG1349721
1,2,3-Trichloropropane	U		0.00594	0.0146	1	09/21/2019 02:18	WG1349721
1,2,4-Trimethylbenzene	U		0.00135	0.00583	1	09/21/2019 02:18	WG1349721
1,2,3-Trimethylbenzene	U		0.00134	0.00583	1	09/21/2019 02:18	WG1349721
1,3,5-Trimethylbenzene	U		0.00126	0.00583	1	09/21/2019 02:18	WG1349721
Vinyl acetate	U		0.00410	0.0146	1	09/21/2019 02:18	WG1349721
Vinyl chloride	0.0167		0.000796	0.00291	1	09/21/2019 02:18	WG1349721
Xylenes, Total	U		0.00557	0.00758	1	09/21/2019 02:18	WG1349721
(S) Toluene-d8	*103*			*75.0-131*		*09/21/2019 02:18*	WG1349721
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/21/2019 02:18*	WG1349721
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*09/21/2019 02:18*	WG1349721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	09/20/2019 17:49	WG1349352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0246	B J	0.0157	0.0286	1	09/21/2019 02:38	WG1349721
Acrylonitrile	U		0.00218	0.0143	1	09/21/2019 02:38	WG1349721
Benzene	0.0265		0.000458	0.00115	1	09/21/2019 02:38	WG1349721
Bromobenzene	U		0.00120	0.0143	1	09/21/2019 02:38	WG1349721
Bromodichloromethane	U		0.000903	0.00286	1	09/21/2019 02:38	WG1349721
Bromochloromethane	U		0.00129	0.00573	1	09/21/2019 02:38	WG1349721
Bromoform	U		0.00685	0.0286	1	09/21/2019 02:38	WG1349721
Bromomethane	U		0.00424	0.0143	1	09/21/2019 02:38	WG1349721
n-Butylbenzene	U		0.00440	0.0143	1	09/21/2019 02:38	WG1349721
sec-Butylbenzene	U		0.00290	0.0143	1	09/21/2019 02:38	WG1349721
tert-Butylbenzene	U		0.00178	0.00573	1	09/21/2019 02:38	WG1349721
Carbon disulfide	U	J4	0.00465	0.0143	1	09/21/2019 02:38	WG1349721
Carbon tetrachloride	U		0.00124	0.00573	1	09/21/2019 02:38	WG1349721
Chlorobenzene	U		0.000656	0.00286	1	09/21/2019 02:38	WG1349721
Chlorodibromomethane	U		0.000516	0.00286	1	09/21/2019 02:38	WG1349721
Chloroethane	U		0.00124	0.00573	1	09/21/2019 02:38	WG1349721
Chloroform	U		0.000475	0.00286	1	09/21/2019 02:38	WG1349721
Chloromethane	U		0.00159	0.0143	1	09/21/2019 02:38	WG1349721
2-Chlorotoluene	U		0.00105	0.00286	1	09/21/2019 02:38	WG1349721
4-Chlorotoluene	U		0.00129	0.00573	1	09/21/2019 02:38	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00584	0.0286	1	09/21/2019 02:38	WG1349721
1,2-Dibromoethane	U		0.000601	0.00286	1	09/21/2019 02:38	WG1349721
Dibromomethane	U		0.00115	0.00573	1	09/21/2019 02:38	WG1349721
1,2-Dichlorobenzene	U		0.00166	0.00573	1	09/21/2019 02:38	WG1349721
1,3-Dichlorobenzene	U		0.00195	0.00573	1	09/21/2019 02:38	WG1349721
1,4-Dichlorobenzene	U		0.00226	0.00573	1	09/21/2019 02:38	WG1349721
Dichlorodifluoromethane	U		0.000937	0.00286	1	09/21/2019 02:38	WG1349721
1,1-Dichloroethane	U		0.000659	0.00286	1	09/21/2019 02:38	WG1349721
1,2-Dichloroethane	U		0.000544	0.00286	1	09/21/2019 02:38	WG1349721
1,1-Dichloroethene	U		0.000573	0.00286	1	09/21/2019 02:38	WG1349721
cis-1,2-Dichloroethene	0.0637		0.000791	0.00286	1	09/21/2019 02:38	WG1349721
trans-1,2-Dichloroethene	U		0.00164	0.00573	1	09/21/2019 02:38	WG1349721
1,2-Dichloropropane	U		0.00146	0.00573	1	09/21/2019 02:38	WG1349721
1,1-Dichloropropene	U		0.000802	0.00286	1	09/21/2019 02:38	WG1349721
1,3-Dichloropropane	U		0.00200	0.00573	1	09/21/2019 02:38	WG1349721
cis-1,3-Dichloropropene	U		0.000777	0.00286	1	09/21/2019 02:38	WG1349721
trans-1,3-Dichloropropene	U		0.00175	0.00573	1	09/21/2019 02:38	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00160	0.00573	1	09/21/2019 02:38	WG1349721
2,2-Dichloropropane	U		0.000909	0.00286	1	09/21/2019 02:38	WG1349721
Di-isopropyl ether	U		0.000401	0.00115	1	09/21/2019 02:38	WG1349721
Ethylbenzene	U		0.000607	0.00286	1	09/21/2019 02:38	WG1349721
Hexachloro-1,3-butadiene	U		0.0146	0.0286	1	09/21/2019 02:38	WG1349721
2-Hexanone	U		0.0115	0.0286	1	09/21/2019 02:38	WG1349721
n-Hexane	U		0.00121	0.00573	1	09/21/2019 02:38	WG1349721
Iodomethane	U		0.00693	0.0143	1	09/21/2019 02:38	WG1349721
Isopropylbenzene	U		0.000989	0.00286	1	09/21/2019 02:38	WG1349721
p-Isopropyltoluene	U		0.00267	0.00573	1	09/21/2019 02:38	WG1349721
2-Butanone (MEK)	U		0.0143	0.0286	1	09/21/2019 02:38	WG1349721
Methylene Chloride	U		0.00761	0.0286	1	09/21/2019 02:38	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0286	1	09/21/2019 02:38	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000338	0.00115	1	09/21/2019 02:38	WG1349721
Naphthalene	U		0.00357	0.0143	1	09/21/2019 02:38	WG1349721
n-Propylbenzene	U		0.00135	0.00573	1	09/21/2019 02:38	WG1349721
Styrene	U		0.00313	0.0143	1	09/21/2019 02:38	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000573	0.00286	1	09/21/2019 02:38	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000447	0.00286	1	09/21/2019 02:38	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000773	0.00286	1	09/21/2019 02:38	WG1349721
Tetrachloroethene	U		0.000802	0.00286	1	09/21/2019 02:38	WG1349721
Toluene	0.0104		0.00143	0.00573	1	09/21/2019 02:38	WG1349721
1,2,3-Trichlorobenzene	U		0.000716	0.00286	1	09/21/2019 02:38	WG1349721
1,2,4-Trichlorobenzene	U		0.00552	0.0143	1	09/21/2019 02:38	WG1349721
1,1,1-Trichloroethane	U		0.000315	0.00286	1	09/21/2019 02:38	WG1349721
1,1,2-Trichloroethane	U		0.00101	0.00286	1	09/21/2019 02:38	WG1349721
Trichloroethene	U		0.000458	0.00115	1	09/21/2019 02:38	WG1349721
Trichlorofluoromethane	U		0.000573	0.00286	1	09/21/2019 02:38	WG1349721
1,2,3-Trichloropropane	U		0.00584	0.0143	1	09/21/2019 02:38	WG1349721
1,2,4-Trimethylbenzene	U		0.00133	0.00573	1	09/21/2019 02:38	WG1349721
1,2,3-Trimethylbenzene	U		0.00132	0.00573	1	09/21/2019 02:38	WG1349721
1,3,5-Trimethylbenzene	U		0.00124	0.00573	1	09/21/2019 02:38	WG1349721
Vinyl acetate	U		0.00403	0.0143	1	09/21/2019 02:38	WG1349721
Vinyl chloride	U		0.000783	0.00286	1	09/21/2019 02:38	WG1349721
Xylenes, Total	U		0.00548	0.00745	1	09/21/2019 02:38	WG1349721
(S) Toluene-d8	*105*			*75.0-131*		*09/21/2019 02:38*	WG1349721
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/21/2019 02:38*	WG1349721
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/21/2019 02:38*	WG1349721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.5		1	09/20/2019 17:49	WG1349352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0261	B J	0.0160	0.0292	1	09/21/2019 02:59	WG1349721
Acrylonitrile	U		0.00222	0.0146	1	09/21/2019 02:59	WG1349721
Benzene	0.0597		0.000468	0.00117	1	09/21/2019 02:59	WG1349721
Bromobenzene	U		0.00123	0.0146	1	09/21/2019 02:59	WG1349721
Bromodichloromethane	U		0.000921	0.00292	1	09/21/2019 02:59	WG1349721
Bromochloromethane	U		0.00132	0.00585	1	09/21/2019 02:59	WG1349721
Bromoform	U		0.00699	0.0292	1	09/21/2019 02:59	WG1349721
Bromomethane	U		0.00433	0.0146	1	09/21/2019 02:59	WG1349721
n-Butylbenzene	U		0.00449	0.0146	1	09/21/2019 02:59	WG1349721
sec-Butylbenzene	U		0.00296	0.0146	1	09/21/2019 02:59	WG1349721
tert-Butylbenzene	U		0.00181	0.00585	1	09/21/2019 02:59	WG1349721
Carbon disulfide	U	J4	0.00475	0.0146	1	09/21/2019 02:59	WG1349721
Carbon tetrachloride	U		0.00126	0.00585	1	09/21/2019 02:59	WG1349721
Chlorobenzene	U		0.000670	0.00292	1	09/21/2019 02:59	WG1349721
Chlorodibromomethane	U		0.000526	0.00292	1	09/21/2019 02:59	WG1349721
Chloroethane	U		0.00126	0.00585	1	09/21/2019 02:59	WG1349721
Chloroform	U		0.000485	0.00292	1	09/21/2019 02:59	WG1349721
Chloromethane	U		0.00163	0.0146	1	09/21/2019 02:59	WG1349721
2-Chlorotoluene	U		0.00108	0.00292	1	09/21/2019 02:59	WG1349721
4-Chlorotoluene	U		0.00132	0.00585	1	09/21/2019 02:59	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00596	0.0292	1	09/21/2019 02:59	WG1349721
1,2-Dibromoethane	U		0.000614	0.00292	1	09/21/2019 02:59	WG1349721
Dibromomethane	U		0.00117	0.00585	1	09/21/2019 02:59	WG1349721
1,2-Dichlorobenzene	U		0.00170	0.00585	1	09/21/2019 02:59	WG1349721
1,3-Dichlorobenzene	U		0.00199	0.00585	1	09/21/2019 02:59	WG1349721
1,4-Dichlorobenzene	U		0.00230	0.00585	1	09/21/2019 02:59	WG1349721
Dichlorodifluoromethane	U		0.000956	0.00292	1	09/21/2019 02:59	WG1349721
1,1-Dichloroethane	U		0.000672	0.00292	1	09/21/2019 02:59	WG1349721
1,2-Dichloroethane	U		0.000555	0.00292	1	09/21/2019 02:59	WG1349721
1,1-Dichloroethene	U		0.000585	0.00292	1	09/21/2019 02:59	WG1349721
cis-1,2-Dichloroethene	0.261		0.000807	0.00292	1	09/21/2019 02:59	WG1349721
trans-1,2-Dichloroethene	U		0.00167	0.00585	1	09/21/2019 02:59	WG1349721
1,2-Dichloropropane	U		0.00148	0.00585	1	09/21/2019 02:59	WG1349721
1,1-Dichloropropene	U		0.000818	0.00292	1	09/21/2019 02:59	WG1349721
1,3-Dichloropropane	U		0.00205	0.00585	1	09/21/2019 02:59	WG1349721
cis-1,3-Dichloropropene	U		0.000793	0.00292	1	09/21/2019 02:59	WG1349721
trans-1,3-Dichloropropene	U		0.00179	0.00585	1	09/21/2019 02:59	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00164	0.00585	1	09/21/2019 02:59	WG1349721
2,2-Dichloropropane	U		0.000927	0.00292	1	09/21/2019 02:59	WG1349721
Di-isopropyl ether	U		0.000409	0.00117	1	09/21/2019 02:59	WG1349721
Ethylbenzene	U		0.000620	0.00292	1	09/21/2019 02:59	WG1349721
Hexachloro-1,3-butadiene	U		0.0148	0.0292	1	09/21/2019 02:59	WG1349721
2-Hexanone	U		0.0117	0.0292	1	09/21/2019 02:59	WG1349721
n-Hexane	U		0.00124	0.00585	1	09/21/2019 02:59	WG1349721
Iodomethane	U		0.00707	0.0146	1	09/21/2019 02:59	WG1349721
Isopropylbenzene	U		0.00101	0.00292	1	09/21/2019 02:59	WG1349721
p-Isopropyltoluene	U		0.00272	0.00585	1	09/21/2019 02:59	WG1349721
2-Butanone (MEK)	U		0.0146	0.0292	1	09/21/2019 02:59	WG1349721
Methylene Chloride	U		0.00776	0.0292	1	09/21/2019 02:59	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0292	1	09/21/2019 02:59	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000345	0.00117	1	09/21/2019 02:59	WG1349721
Naphthalene	U		0.00365	0.0146	1	09/21/2019 02:59	WG1349721
n-Propylbenzene	U		0.00138	0.00585	1	09/21/2019 02:59	WG1349721
Styrene	U		0.00319	0.0146	1	09/21/2019 02:59	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000585	0.00292	1	09/21/2019 02:59	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000456	0.00292	1	09/21/2019 02:59	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000789	0.00292	1	09/21/2019 02:59	WG1349721
Tetrachloroethene	U		0.000818	0.00292	1	09/21/2019 02:59	WG1349721
Toluene	0.00654		0.00146	0.00585	1	09/21/2019 02:59	WG1349721
1,2,3-Trichlorobenzene	U		0.000731	0.00292	1	09/21/2019 02:59	WG1349721
1,2,4-Trichlorobenzene	U		0.00564	0.0146	1	09/21/2019 02:59	WG1349721
1,1,1-Trichloroethane	U		0.000322	0.00292	1	09/21/2019 02:59	WG1349721
1,1,2-Trichloroethane	U		0.00103	0.00292	1	09/21/2019 02:59	WG1349721
Trichloroethene	U		0.000468	0.00117	1	09/21/2019 02:59	WG1349721
Trichlorofluoromethane	U		0.000585	0.00292	1	09/21/2019 02:59	WG1349721
1,2,3-Trichloropropane	U		0.00596	0.0146	1	09/21/2019 02:59	WG1349721
1,2,4-Trimethylbenzene	U		0.00136	0.00585	1	09/21/2019 02:59	WG1349721
1,2,3-Trimethylbenzene	U		0.00134	0.00585	1	09/21/2019 02:59	WG1349721
1,3,5-Trimethylbenzene	U		0.00126	0.00585	1	09/21/2019 02:59	WG1349721
Vinyl acetate	U		0.00412	0.0146	1	09/21/2019 02:59	WG1349721
Vinyl chloride	0.0751		0.000799	0.00292	1	09/21/2019 02:59	WG1349721
Xylenes, Total	U		0.00559	0.00760	1	09/21/2019 02:59	WG1349721
(S) Toluene-d8	*104*			*75.0-131*		*09/21/2019 02:59*	WG1349721
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/21/2019 02:59*	WG1349721
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/21/2019 02:59*	WG1349721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.1		1	09/20/2019 17:49	WG1349352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0333	B	0.0161	0.0294	1	09/21/2019 03:19	WG1349721
Acrylonitrile	U		0.00223	0.0147	1	09/21/2019 03:19	WG1349721
Benzene	0.0182		0.000470	0.00118	1	09/21/2019 03:19	WG1349721
Bromobenzene	U		0.00123	0.0147	1	09/21/2019 03:19	WG1349721
Bromodichloromethane	U		0.000926	0.00294	1	09/21/2019 03:19	WG1349721
Bromochloromethane	U		0.00133	0.00588	1	09/21/2019 03:19	WG1349721
Bromoform	U		0.00703	0.0294	1	09/21/2019 03:19	WG1349721
Bromomethane	U		0.00435	0.0147	1	09/21/2019 03:19	WG1349721
n-Butylbenzene	U		0.00451	0.0147	1	09/21/2019 03:19	WG1349721
sec-Butylbenzene	U		0.00297	0.0147	1	09/21/2019 03:19	WG1349721
tert-Butylbenzene	U		0.00182	0.00588	1	09/21/2019 03:19	WG1349721
Carbon disulfide	U	J4	0.00477	0.0147	1	09/21/2019 03:19	WG1349721
Carbon tetrachloride	U		0.00127	0.00588	1	09/21/2019 03:19	WG1349721
Chlorobenzene	U		0.000674	0.00294	1	09/21/2019 03:19	WG1349721
Chlorodibromomethane	U		0.000529	0.00294	1	09/21/2019 03:19	WG1349721
Chloroethane	U		0.00127	0.00588	1	09/21/2019 03:19	WG1349721
Chloroform	U		0.000488	0.00294	1	09/21/2019 03:19	WG1349721
Chloromethane	U		0.00163	0.0147	1	09/21/2019 03:19	WG1349721
2-Chlorotoluene	U		0.00108	0.00294	1	09/21/2019 03:19	WG1349721
4-Chlorotoluene	U		0.00133	0.00588	1	09/21/2019 03:19	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00600	0.0294	1	09/21/2019 03:19	WG1349721
1,2-Dibromoethane	U		0.000617	0.00294	1	09/21/2019 03:19	WG1349721
Dibromomethane	U		0.00118	0.00588	1	09/21/2019 03:19	WG1349721
1,2-Dichlorobenzene	U		0.00170	0.00588	1	09/21/2019 03:19	WG1349721
1,3-Dichlorobenzene	U		0.00200	0.00588	1	09/21/2019 03:19	WG1349721
1,4-Dichlorobenzene	U		0.00232	0.00588	1	09/21/2019 03:19	WG1349721
Dichlorodifluoromethane	U		0.000962	0.00294	1	09/21/2019 03:19	WG1349721
1,1-Dichloroethane	U		0.000676	0.00294	1	09/21/2019 03:19	WG1349721
1,2-Dichloroethane	U		0.000558	0.00294	1	09/21/2019 03:19	WG1349721
1,1-Dichloroethene	U		0.000588	0.00294	1	09/21/2019 03:19	WG1349721
cis-1,2-Dichloroethene	0.136		0.000811	0.00294	1	09/21/2019 03:19	WG1349721
trans-1,2-Dichloroethene	U		0.00168	0.00588	1	09/21/2019 03:19	WG1349721
1,2-Dichloropropane	U		0.00149	0.00588	1	09/21/2019 03:19	WG1349721
1,1-Dichloropropene	U		0.000823	0.00294	1	09/21/2019 03:19	WG1349721
1,3-Dichloropropane	U		0.00206	0.00588	1	09/21/2019 03:19	WG1349721
cis-1,3-Dichloropropene	U		0.000797	0.00294	1	09/21/2019 03:19	WG1349721
trans-1,3-Dichloropropene	U		0.00180	0.00588	1	09/21/2019 03:19	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00165	0.00588	1	09/21/2019 03:19	WG1349721
2,2-Dichloropropane	U		0.000932	0.00294	1	09/21/2019 03:19	WG1349721
Di-isopropyl ether	U		0.000412	0.00118	1	09/21/2019 03:19	WG1349721
Ethylbenzene	U		0.000623	0.00294	1	09/21/2019 03:19	WG1349721
Hexachloro-1,3-butadiene	U		0.0149	0.0294	1	09/21/2019 03:19	WG1349721
2-Hexanone	U		0.0118	0.0294	1	09/21/2019 03:19	WG1349721
n-Hexane	0.00290	J	0.00125	0.00588	1	09/21/2019 03:19	WG1349721
Iodomethane	U		0.00711	0.0147	1	09/21/2019 03:19	WG1349721
Isopropylbenzene	U		0.00101	0.00294	1	09/21/2019 03:19	WG1349721
p-Isopropyltoluene	U		0.00274	0.00588	1	09/21/2019 03:19	WG1349721
2-Butanone (MEK)	U		0.0147	0.0294	1	09/21/2019 03:19	WG1349721
Methylene Chloride	U		0.00781	0.0294	1	09/21/2019 03:19	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0118	0.0294	1	09/21/2019 03:19	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000347	0.00118	1	09/21/2019 03:19	WG1349721
Naphthalene	U		0.00367	0.0147	1	09/21/2019 03:19	WG1349721
n-Propylbenzene	U		0.00139	0.00588	1	09/21/2019 03:19	WG1349721
Styrene	U		0.00321	0.0147	1	09/21/2019 03:19	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000588	0.00294	1	09/21/2019 03:19	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000459	0.00294	1	09/21/2019 03:19	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000794	0.00294	1	09/21/2019 03:19	WG1349721
Tetrachloroethene	U		0.000823	0.00294	1	09/21/2019 03:19	WG1349721
Toluene	0.00704		0.00147	0.00588	1	09/21/2019 03:19	WG1349721
1,2,3-Trichlorobenzene	U		0.000735	0.00294	1	09/21/2019 03:19	WG1349721
1,2,4-Trichlorobenzene	U		0.00567	0.0147	1	09/21/2019 03:19	WG1349721
1,1,1-Trichloroethane	U		0.000323	0.00294	1	09/21/2019 03:19	WG1349721
1,1,2-Trichloroethane	U		0.00104	0.00294	1	09/21/2019 03:19	WG1349721
Trichloroethene	U		0.000470	0.00118	1	09/21/2019 03:19	WG1349721
Trichlorofluoromethane	U		0.000588	0.00294	1	09/21/2019 03:19	WG1349721
1,2,3-Trichloropropane	U		0.00600	0.0147	1	09/21/2019 03:19	WG1349721
1,2,4-Trimethylbenzene	U		0.00136	0.00588	1	09/21/2019 03:19	WG1349721
1,2,3-Trimethylbenzene	U		0.00135	0.00588	1	09/21/2019 03:19	WG1349721
1,3,5-Trimethylbenzene	U		0.00127	0.00588	1	09/21/2019 03:19	WG1349721
Vinyl acetate	U		0.00414	0.0147	1	09/21/2019 03:19	WG1349721
Vinyl chloride	U		0.000803	0.00294	1	09/21/2019 03:19	WG1349721
Xylenes, Total	U		0.00562	0.00764	1	09/21/2019 03:19	WG1349721
(S) Toluene-d8	*102*			*75.0-131*		*09/21/2019 03:19*	WG1349721
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/21/2019 03:19*	WG1349721
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/21/2019 03:19*	WG1349721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.2		1	09/20/2019 17:49	WG1349352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0168	B J	0.0163	0.0297	1	09/21/2019 03:40	WG1349721
Acrylonitrile	U		0.00226	0.0148	1	09/21/2019 03:40	WG1349721
Benzene	0.000753	J	0.000475	0.00119	1	09/21/2019 03:40	WG1349721
Bromobenzene	U		0.00125	0.0148	1	09/21/2019 03:40	WG1349721
Bromodichloromethane	U		0.000936	0.00297	1	09/21/2019 03:40	WG1349721
Bromochloromethane	U		0.00134	0.00594	1	09/21/2019 03:40	WG1349721
Bromoform	U		0.00710	0.0297	1	09/21/2019 03:40	WG1349721
Bromomethane	U		0.00439	0.0148	1	09/21/2019 03:40	WG1349721
n-Butylbenzene	U		0.00456	0.0148	1	09/21/2019 03:40	WG1349721
sec-Butylbenzene	U		0.00300	0.0148	1	09/21/2019 03:40	WG1349721
tert-Butylbenzene	U		0.00184	0.00594	1	09/21/2019 03:40	WG1349721
Carbon disulfide	U	J4	0.00482	0.0148	1	09/21/2019 03:40	WG1349721
Carbon tetrachloride	U		0.00128	0.00594	1	09/21/2019 03:40	WG1349721
Chlorobenzene	U		0.000680	0.00297	1	09/21/2019 03:40	WG1349721
Chlorodibromomethane	U		0.000534	0.00297	1	09/21/2019 03:40	WG1349721
Chloroethane	U		0.00128	0.00594	1	09/21/2019 03:40	WG1349721
Chloroform	U		0.000493	0.00297	1	09/21/2019 03:40	WG1349721
Chloromethane	U		0.00165	0.0148	1	09/21/2019 03:40	WG1349721
2-Chlorotoluene	U		0.00109	0.00297	1	09/21/2019 03:40	WG1349721
4-Chlorotoluene	U		0.00134	0.00594	1	09/21/2019 03:40	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00606	0.0297	1	09/21/2019 03:40	WG1349721
1,2-Dibromoethane	U		0.000623	0.00297	1	09/21/2019 03:40	WG1349721
Dibromomethane	U		0.00119	0.00594	1	09/21/2019 03:40	WG1349721
1,2-Dichlorobenzene	U		0.00172	0.00594	1	09/21/2019 03:40	WG1349721
1,3-Dichlorobenzene	U		0.00202	0.00594	1	09/21/2019 03:40	WG1349721
1,4-Dichlorobenzene	U		0.00234	0.00594	1	09/21/2019 03:40	WG1349721
Dichlorodifluoromethane	U		0.000971	0.00297	1	09/21/2019 03:40	WG1349721
1,1-Dichloroethane	U		0.000683	0.00297	1	09/21/2019 03:40	WG1349721
1,2-Dichloroethane	U		0.000564	0.00297	1	09/21/2019 03:40	WG1349721
1,1-Dichloroethene	U		0.000594	0.00297	1	09/21/2019 03:40	WG1349721
cis-1,2-Dichloroethene	0.0246		0.000819	0.00297	1	09/21/2019 03:40	WG1349721
trans-1,2-Dichloroethene	U		0.00170	0.00594	1	09/21/2019 03:40	WG1349721
1,2-Dichloropropane	U		0.00151	0.00594	1	09/21/2019 03:40	WG1349721
1,1-Dichloropropene	U		0.000831	0.00297	1	09/21/2019 03:40	WG1349721
1,3-Dichloropropane	U		0.00208	0.00594	1	09/21/2019 03:40	WG1349721
cis-1,3-Dichloropropene	U		0.000805	0.00297	1	09/21/2019 03:40	WG1349721
trans-1,3-Dichloropropene	U		0.00182	0.00594	1	09/21/2019 03:40	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00166	0.00594	1	09/21/2019 03:40	WG1349721
2,2-Dichloropropane	U		0.000942	0.00297	1	09/21/2019 03:40	WG1349721
Di-isopropyl ether	U		0.000416	0.00119	1	09/21/2019 03:40	WG1349721
Ethylbenzene	U		0.000629	0.00297	1	09/21/2019 03:40	WG1349721
Hexachloro-1,3-butadiene	U		0.0151	0.0297	1	09/21/2019 03:40	WG1349721
2-Hexanone	U		0.0119	0.0297	1	09/21/2019 03:40	WG1349721
n-Hexane	U		0.00126	0.00594	1	09/21/2019 03:40	WG1349721
Iodomethane	U		0.00718	0.0148	1	09/21/2019 03:40	WG1349721
Isopropylbenzene	U		0.00102	0.00297	1	09/21/2019 03:40	WG1349721
p-Isopropyltoluene	U		0.00277	0.00594	1	09/21/2019 03:40	WG1349721
2-Butanone (MEK)	U		0.0148	0.0297	1	09/21/2019 03:40	WG1349721
Methylene Chloride	U		0.00788	0.0297	1	09/21/2019 03:40	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0119	0.0297	1	09/21/2019 03:40	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000350	0.00119	1	09/21/2019 03:40	WG1349721
Naphthalene	U		0.00370	0.0148	1	09/21/2019 03:40	WG1349721
n-Propylbenzene	U		0.00140	0.00594	1	09/21/2019 03:40	WG1349721
Styrene	U		0.00324	0.0148	1	09/21/2019 03:40	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000594	0.00297	1	09/21/2019 03:40	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000463	0.00297	1	09/21/2019 03:40	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000801	0.00297	1	09/21/2019 03:40	WG1349721
Tetrachloroethene	U		0.000831	0.00297	1	09/21/2019 03:40	WG1349721
Toluene	0.00569	J	0.00148	0.00594	1	09/21/2019 03:40	WG1349721
1,2,3-Trichlorobenzene	U		0.000742	0.00297	1	09/21/2019 03:40	WG1349721
1,2,4-Trichlorobenzene	U		0.00572	0.0148	1	09/21/2019 03:40	WG1349721
1,1,1-Trichloroethane	U		0.000327	0.00297	1	09/21/2019 03:40	WG1349721
1,1,2-Trichloroethane	U		0.00105	0.00297	1	09/21/2019 03:40	WG1349721
Trichloroethene	U		0.000475	0.00119	1	09/21/2019 03:40	WG1349721
Trichlorofluoromethane	U		0.000594	0.00297	1	09/21/2019 03:40	WG1349721
1,2,3-Trichloropropane	U		0.00606	0.0148	1	09/21/2019 03:40	WG1349721
1,2,4-Trimethylbenzene	U		0.00138	0.00594	1	09/21/2019 03:40	WG1349721
1,2,3-Trimethylbenzene	U		0.00137	0.00594	1	09/21/2019 03:40	WG1349721
1,3,5-Trimethylbenzene	U		0.00128	0.00594	1	09/21/2019 03:40	WG1349721
Vinyl acetate	U		0.00418	0.0148	1	09/21/2019 03:40	WG1349721
Vinyl chloride	U		0.000811	0.00297	1	09/21/2019 03:40	WG1349721
Xylenes, Total	U		0.00568	0.00772	1	09/21/2019 03:40	WG1349721
(S) Toluene-d8	*107*			*75.0-131*		*09/21/2019 03:40*	WG1349721
(S) 4-Bromofluorobenzene	*99.8*			*67.0-138*		*09/21/2019 03:40*	WG1349721
(S) 1,2-Dichloroethane-d4	*92.5*			*70.0-130*		*09/21/2019 03:40*	WG1349721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.0		1	09/20/2019 17:49	WG1349352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0195	B J	0.0163	0.0298	1	09/21/2019 04:00	WG1349721
Acrylonitrile	U		0.00226	0.0149	1	09/21/2019 04:00	WG1349721
Benzene	U		0.000476	0.00119	1	09/21/2019 04:00	WG1349721
Bromobenzene	U		0.00125	0.0149	1	09/21/2019 04:00	WG1349721
Bromodichloromethane	U		0.000938	0.00298	1	09/21/2019 04:00	WG1349721
Bromochloromethane	U		0.00135	0.00595	1	09/21/2019 04:00	WG1349721
Bromoform	U		0.00712	0.0298	1	09/21/2019 04:00	WG1349721
Bromomethane	U		0.00441	0.0149	1	09/21/2019 04:00	WG1349721
n-Butylbenzene	U		0.00457	0.0149	1	09/21/2019 04:00	WG1349721
sec-Butylbenzene	U		0.00301	0.0149	1	09/21/2019 04:00	WG1349721
tert-Butylbenzene	U		0.00185	0.00595	1	09/21/2019 04:00	WG1349721
Carbon disulfide	U	J4	0.00483	0.0149	1	09/21/2019 04:00	WG1349721
Carbon tetrachloride	U		0.00129	0.00595	1	09/21/2019 04:00	WG1349721
Chlorobenzene	U		0.000682	0.00298	1	09/21/2019 04:00	WG1349721
Chlorodibromomethane	U		0.000536	0.00298	1	09/21/2019 04:00	WG1349721
Chloroethane	U		0.00129	0.00595	1	09/21/2019 04:00	WG1349721
Chloroform	U		0.000494	0.00298	1	09/21/2019 04:00	WG1349721
Chloromethane	U		0.00166	0.0149	1	09/21/2019 04:00	WG1349721
2-Chlorotoluene	U		0.00110	0.00298	1	09/21/2019 04:00	WG1349721
4-Chlorotoluene	U		0.00135	0.00595	1	09/21/2019 04:00	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00607	0.0298	1	09/21/2019 04:00	WG1349721
1,2-Dibromoethane	U		0.000625	0.00298	1	09/21/2019 04:00	WG1349721
Dibromomethane	U		0.00119	0.00595	1	09/21/2019 04:00	WG1349721
1,2-Dichlorobenzene	U		0.00173	0.00595	1	09/21/2019 04:00	WG1349721
1,3-Dichlorobenzene	U		0.00202	0.00595	1	09/21/2019 04:00	WG1349721
1,4-Dichlorobenzene	U		0.00235	0.00595	1	09/21/2019 04:00	WG1349721
Dichlorodifluoromethane	U		0.000974	0.00298	1	09/21/2019 04:00	WG1349721
1,1-Dichloroethane	U		0.000685	0.00298	1	09/21/2019 04:00	WG1349721
1,2-Dichloroethane	U		0.000566	0.00298	1	09/21/2019 04:00	WG1349721
1,1-Dichloroethene	U		0.000595	0.00298	1	09/21/2019 04:00	WG1349721
cis-1,2-Dichloroethene	0.0119		0.000822	0.00298	1	09/21/2019 04:00	WG1349721
trans-1,2-Dichloroethene	U		0.00170	0.00595	1	09/21/2019 04:00	WG1349721
1,2-Dichloropropane	U		0.00151	0.00595	1	09/21/2019 04:00	WG1349721
1,1-Dichloropropene	U		0.000833	0.00298	1	09/21/2019 04:00	WG1349721
1,3-Dichloropropane	U		0.00208	0.00595	1	09/21/2019 04:00	WG1349721
cis-1,3-Dichloropropene	U		0.000807	0.00298	1	09/21/2019 04:00	WG1349721
trans-1,3-Dichloropropene	U		0.00182	0.00595	1	09/21/2019 04:00	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00167	0.00595	1	09/21/2019 04:00	WG1349721
2,2-Dichloropropane	U		0.000944	0.00298	1	09/21/2019 04:00	WG1349721
Di-isopropyl ether	U		0.000417	0.00119	1	09/21/2019 04:00	WG1349721
Ethylbenzene	U		0.000631	0.00298	1	09/21/2019 04:00	WG1349721
Hexachloro-1,3-butadiene	U		0.0151	0.0298	1	09/21/2019 04:00	WG1349721
2-Hexanone	U		0.0119	0.0298	1	09/21/2019 04:00	WG1349721
n-Hexane	U		0.00126	0.00595	1	09/21/2019 04:00	WG1349721
Iodomethane	U		0.00720	0.0149	1	09/21/2019 04:00	WG1349721
Isopropylbenzene	U		0.00103	0.00298	1	09/21/2019 04:00	WG1349721
p-Isopropyltoluene	U		0.00277	0.00595	1	09/21/2019 04:00	WG1349721
2-Butanone (MEK)	U		0.0149	0.0298	1	09/21/2019 04:00	WG1349721
Methylene Chloride	U		0.00791	0.0298	1	09/21/2019 04:00	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0119	0.0298	1	09/21/2019 04:00	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000351	0.00119	1	09/21/2019 04:00	WG1349721
Naphthalene	U		0.00371	0.0149	1	09/21/2019 04:00	WG1349721
n-Propylbenzene	U		0.00140	0.00595	1	09/21/2019 04:00	WG1349721
Styrene	U		0.00325	0.0149	1	09/21/2019 04:00	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000595	0.00298	1	09/21/2019 04:00	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000464	0.00298	1	09/21/2019 04:00	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000804	0.00298	1	09/21/2019 04:00	WG1349721
Tetrachloroethene	U		0.000833	0.00298	1	09/21/2019 04:00	WG1349721
Toluene	0.00926		0.00149	0.00595	1	09/21/2019 04:00	WG1349721
1,2,3-Trichlorobenzene	U		0.000744	0.00298	1	09/21/2019 04:00	WG1349721
1,2,4-Trichlorobenzene	U		0.00574	0.0149	1	09/21/2019 04:00	WG1349721
1,1,1-Trichloroethane	U		0.000327	0.00298	1	09/21/2019 04:00	WG1349721
1,1,2-Trichloroethane	U		0.00105	0.00298	1	09/21/2019 04:00	WG1349721
Trichloroethene	U		0.000476	0.00119	1	09/21/2019 04:00	WG1349721
Trichlorofluoromethane	U		0.000595	0.00298	1	09/21/2019 04:00	WG1349721
1,2,3-Trichloropropane	U		0.00607	0.0149	1	09/21/2019 04:00	WG1349721
1,2,4-Trimethylbenzene	U		0.00138	0.00595	1	09/21/2019 04:00	WG1349721
1,2,3-Trimethylbenzene	U		0.00137	0.00595	1	09/21/2019 04:00	WG1349721
1,3,5-Trimethylbenzene	U		0.00129	0.00595	1	09/21/2019 04:00	WG1349721
Vinyl acetate	U		0.00419	0.0149	1	09/21/2019 04:00	WG1349721
Vinyl chloride	U		0.000813	0.00298	1	09/21/2019 04:00	WG1349721
Xylenes, Total	U		0.00569	0.00774	1	09/21/2019 04:00	WG1349721
(S) Toluene-d8	*104*			*75.0-131*		*09/21/2019 04:00*	WG1349721
(S) 4-Bromofluorobenzene	*99.8*			*67.0-138*		*09/21/2019 04:00*	WG1349721
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*09/21/2019 04:00*	WG1349721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	09/20/2019 17:49	WG1349352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0170	B J	0.0151	0.0275	1	09/21/2019 04:21	WG1349721
Acrylonitrile	U		0.00209	0.0138	1	09/21/2019 04:21	WG1349721
Benzene	U		0.000440	0.00110	1	09/21/2019 04:21	WG1349721
Bromobenzene	U		0.00116	0.0138	1	09/21/2019 04:21	WG1349721
Bromodichloromethane	U		0.000868	0.00275	1	09/21/2019 04:21	WG1349721
Bromochloromethane	U		0.00124	0.00550	1	09/21/2019 04:21	WG1349721
Bromoform	U		0.00658	0.0275	1	09/21/2019 04:21	WG1349721
Bromomethane	U		0.00407	0.0138	1	09/21/2019 04:21	WG1349721
n-Butylbenzene	U		0.00423	0.0138	1	09/21/2019 04:21	WG1349721
sec-Butylbenzene	U		0.00279	0.0138	1	09/21/2019 04:21	WG1349721
tert-Butylbenzene	U		0.00171	0.00550	1	09/21/2019 04:21	WG1349721
Carbon disulfide	U	J4	0.00447	0.0138	1	09/21/2019 04:21	WG1349721
Carbon tetrachloride	U		0.00119	0.00550	1	09/21/2019 04:21	WG1349721
Chlorobenzene	U		0.000631	0.00275	1	09/21/2019 04:21	WG1349721
Chlorodibromomethane	U		0.000495	0.00275	1	09/21/2019 04:21	WG1349721
Chloroethane	U		0.00119	0.00550	1	09/21/2019 04:21	WG1349721
Chloroform	U		0.000457	0.00275	1	09/21/2019 04:21	WG1349721
Chloromethane	U		0.00153	0.0138	1	09/21/2019 04:21	WG1349721
2-Chlorotoluene	U		0.00101	0.00275	1	09/21/2019 04:21	WG1349721
4-Chlorotoluene	U		0.00124	0.00550	1	09/21/2019 04:21	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00561	0.0275	1	09/21/2019 04:21	WG1349721
1,2-Dibromoethane	U		0.000578	0.00275	1	09/21/2019 04:21	WG1349721
Dibromomethane	U		0.00110	0.00550	1	09/21/2019 04:21	WG1349721
1,2-Dichlorobenzene	U		0.00160	0.00550	1	09/21/2019 04:21	WG1349721
1,3-Dichlorobenzene	U		0.00187	0.00550	1	09/21/2019 04:21	WG1349721
1,4-Dichlorobenzene	U		0.00217	0.00550	1	09/21/2019 04:21	WG1349721
Dichlorodifluoromethane	U		0.000901	0.00275	1	09/21/2019 04:21	WG1349721
1,1-Dichloroethane	U		0.000633	0.00275	1	09/21/2019 04:21	WG1349721
1,2-Dichloroethane	U		0.000523	0.00275	1	09/21/2019 04:21	WG1349721
1,1-Dichloroethene	U		0.000550	0.00275	1	09/21/2019 04:21	WG1349721
cis-1,2-Dichloroethene	0.00860		0.000760	0.00275	1	09/21/2019 04:21	WG1349721
trans-1,2-Dichloroethene	U		0.00157	0.00550	1	09/21/2019 04:21	WG1349721
1,2-Dichloropropane	U		0.00140	0.00550	1	09/21/2019 04:21	WG1349721
1,1-Dichloropropene	U		0.000771	0.00275	1	09/21/2019 04:21	WG1349721
1,3-Dichloropropane	U		0.00193	0.00550	1	09/21/2019 04:21	WG1349721
cis-1,3-Dichloropropene	U		0.000746	0.00275	1	09/21/2019 04:21	WG1349721
trans-1,3-Dichloropropene	U		0.00168	0.00550	1	09/21/2019 04:21	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00154	0.00550	1	09/21/2019 04:21	WG1349721
2,2-Dichloropropane	U		0.000873	0.00275	1	09/21/2019 04:21	WG1349721
Di-isopropyl ether	U		0.000385	0.00110	1	09/21/2019 04:21	WG1349721
Ethylbenzene	U		0.000583	0.00275	1	09/21/2019 04:21	WG1349721
Hexachloro-1,3-butadiene	U		0.0140	0.0275	1	09/21/2019 04:21	WG1349721
2-Hexanone	U		0.0110	0.0275	1	09/21/2019 04:21	WG1349721
n-Hexane	U		0.00117	0.00550	1	09/21/2019 04:21	WG1349721
Iodomethane	U		0.00666	0.0138	1	09/21/2019 04:21	WG1349721
Isopropylbenzene	U		0.000950	0.00275	1	09/21/2019 04:21	WG1349721
p-Isopropyltoluene	U		0.00257	0.00550	1	09/21/2019 04:21	WG1349721
2-Butanone (MEK)	U		0.0138	0.0275	1	09/21/2019 04:21	WG1349721
Methylene Chloride	U		0.00731	0.0275	1	09/21/2019 04:21	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0275	1	09/21/2019 04:21	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000325	0.00110	1	09/21/2019 04:21	WG1349721
Naphthalene	U		0.00343	0.0138	1	09/21/2019 04:21	WG1349721
n-Propylbenzene	U		0.00130	0.00550	1	09/21/2019 04:21	WG1349721
Styrene	U		0.00301	0.0138	1	09/21/2019 04:21	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000550	0.00275	1	09/21/2019 04:21	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000429	0.00275	1	09/21/2019 04:21	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000743	0.00275	1	09/21/2019 04:21	WG1349721
Tetrachloroethene	U		0.000771	0.00275	1	09/21/2019 04:21	WG1349721
Toluene	0.00362	J	0.00138	0.00550	1	09/21/2019 04:21	WG1349721
1,2,3-Trichlorobenzene	U		0.000688	0.00275	1	09/21/2019 04:21	WG1349721
1,2,4-Trichlorobenzene	U		0.00531	0.0138	1	09/21/2019 04:21	WG1349721
1,1,1-Trichloroethane	U		0.000303	0.00275	1	09/21/2019 04:21	WG1349721
1,1,2-Trichloroethane	U		0.000972	0.00275	1	09/21/2019 04:21	WG1349721
Trichloroethene	U		0.000440	0.00110	1	09/21/2019 04:21	WG1349721
Trichlorofluoromethane	U		0.000550	0.00275	1	09/21/2019 04:21	WG1349721
1,2,3-Trichloropropane	U		0.00561	0.0138	1	09/21/2019 04:21	WG1349721
1,2,4-Trimethylbenzene	U		0.00128	0.00550	1	09/21/2019 04:21	WG1349721
1,2,3-Trimethylbenzene	U		0.00127	0.00550	1	09/21/2019 04:21	WG1349721
1,3,5-Trimethylbenzene	U		0.00119	0.00550	1	09/21/2019 04:21	WG1349721
Vinyl acetate	U		0.00388	0.0138	1	09/21/2019 04:21	WG1349721
Vinyl chloride	U		0.000752	0.00275	1	09/21/2019 04:21	WG1349721
Xylenes, Total	U		0.00526	0.00716	1	09/21/2019 04:21	WG1349721
(S) Toluene-d8	*104*			*75.0-131*		*09/21/2019 04:21*	WG1349721
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/21/2019 04:21*	WG1349721
(S) 1,2-Dichloroethane-d4	*97.5*			*70.0-130*		*09/21/2019 04:21*	WG1349721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	09/20/2019 17:49	WG1349352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0150	0.0273	1	09/21/2019 04:41	WG1349721
Acrylonitrile	U		0.00208	0.0137	1	09/21/2019 04:41	WG1349721
Benzene	U		0.000437	0.00109	1	09/21/2019 04:41	WG1349721
Bromobenzene	U		0.00115	0.0137	1	09/21/2019 04:41	WG1349721
Bromodichloromethane	U		0.000861	0.00273	1	09/21/2019 04:41	WG1349721
Bromochloromethane	U		0.00123	0.00546	1	09/21/2019 04:41	WG1349721
Bromoform	U		0.00653	0.0273	1	09/21/2019 04:41	WG1349721
Bromomethane	U		0.00404	0.0137	1	09/21/2019 04:41	WG1349721
n-Butylbenzene	U		0.00420	0.0137	1	09/21/2019 04:41	WG1349721
sec-Butylbenzene	U		0.00276	0.0137	1	09/21/2019 04:41	WG1349721
tert-Butylbenzene	U		0.00169	0.00546	1	09/21/2019 04:41	WG1349721
Carbon disulfide	U	J4	0.00444	0.0137	1	09/21/2019 04:41	WG1349721
Carbon tetrachloride	U		0.00118	0.00546	1	09/21/2019 04:41	WG1349721
Chlorobenzene	U		0.000626	0.00273	1	09/21/2019 04:41	WG1349721
Chlorodibromomethane	U		0.000492	0.00273	1	09/21/2019 04:41	WG1349721
Chloroethane	U		0.00118	0.00546	1	09/21/2019 04:41	WG1349721
Chloroform	U		0.000453	0.00273	1	09/21/2019 04:41	WG1349721
Chloromethane	U		0.00152	0.0137	1	09/21/2019 04:41	WG1349721
2-Chlorotoluene	U		0.00101	0.00273	1	09/21/2019 04:41	WG1349721
4-Chlorotoluene	U		0.00123	0.00546	1	09/21/2019 04:41	WG1349721
1,2-Dibromo-3-Chloropropane	U		0.00557	0.0273	1	09/21/2019 04:41	WG1349721
1,2-Dibromoethane	U		0.000574	0.00273	1	09/21/2019 04:41	WG1349721
Dibromomethane	U		0.00109	0.00546	1	09/21/2019 04:41	WG1349721
1,2-Dichlorobenzene	U		0.00158	0.00546	1	09/21/2019 04:41	WG1349721
1,3-Dichlorobenzene	U		0.00186	0.00546	1	09/21/2019 04:41	WG1349721
1,4-Dichlorobenzene	U		0.00215	0.00546	1	09/21/2019 04:41	WG1349721
Dichlorodifluoromethane	U		0.000894	0.00273	1	09/21/2019 04:41	WG1349721
1,1-Dichloroethane	U		0.000628	0.00273	1	09/21/2019 04:41	WG1349721
1,2-Dichloroethane	U		0.000519	0.00273	1	09/21/2019 04:41	WG1349721
1,1-Dichloroethene	U		0.000546	0.00273	1	09/21/2019 04:41	WG1349721
cis-1,2-Dichloroethene	U		0.000754	0.00273	1	09/21/2019 04:41	WG1349721
trans-1,2-Dichloroethene	U		0.00156	0.00546	1	09/21/2019 04:41	WG1349721
1,2-Dichloropropane	U		0.00139	0.00546	1	09/21/2019 04:41	WG1349721
1,1-Dichloropropene	U		0.000765	0.00273	1	09/21/2019 04:41	WG1349721
1,3-Dichloropropane	U		0.00191	0.00546	1	09/21/2019 04:41	WG1349721
cis-1,3-Dichloropropene	U		0.000741	0.00273	1	09/21/2019 04:41	WG1349721
trans-1,3-Dichloropropene	U		0.00167	0.00546	1	09/21/2019 04:41	WG1349721
trans-1,4-Dichloro-2-butene	U		0.00153	0.00546	1	09/21/2019 04:41	WG1349721
2,2-Dichloropropane	U		0.000866	0.00273	1	09/21/2019 04:41	WG1349721
Di-isopropyl ether	U		0.000382	0.00109	1	09/21/2019 04:41	WG1349721
Ethylbenzene	U		0.000579	0.00273	1	09/21/2019 04:41	WG1349721
Hexachloro-1,3-butadiene	U		0.0139	0.0273	1	09/21/2019 04:41	WG1349721
2-Hexanone	U		0.0109	0.0273	1	09/21/2019 04:41	WG1349721
n-Hexane	U		0.00116	0.00546	1	09/21/2019 04:41	WG1349721
Iodomethane	U		0.00661	0.0137	1	09/21/2019 04:41	WG1349721
Isopropylbenzene	U		0.000943	0.00273	1	09/21/2019 04:41	WG1349721
p-Isopropyltoluene	U		0.00255	0.00546	1	09/21/2019 04:41	WG1349721
2-Butanone (MEK)	U		0.0137	0.0273	1	09/21/2019 04:41	WG1349721
Methylene Chloride	U		0.00725	0.0273	1	09/21/2019 04:41	WG1349721
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0273	1	09/21/2019 04:41	WG1349721

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000322	0.00109	1	09/21/2019 04:41	WG1349721
Naphthalene	U		0.00341	0.0137	1	09/21/2019 04:41	WG1349721
n-Propylbenzene	U		0.00129	0.00546	1	09/21/2019 04:41	WG1349721
Styrene	U		0.00298	0.0137	1	09/21/2019 04:41	WG1349721
1,1,1,2-Tetrachloroethane	U		0.000546	0.00273	1	09/21/2019 04:41	WG1349721
1,1,2,2-Tetrachloroethane	U		0.000426	0.00273	1	09/21/2019 04:41	WG1349721
1,1,2-Trichlorotrifluoroethane	U		0.000737	0.00273	1	09/21/2019 04:41	WG1349721
Tetrachloroethene	U		0.000765	0.00273	1	09/21/2019 04:41	WG1349721
Toluene	U		0.00137	0.00546	1	09/21/2019 04:41	WG1349721
1,2,3-Trichlorobenzene	U		0.000683	0.00273	1	09/21/2019 04:41	WG1349721
1,2,4-Trichlorobenzene	U		0.00527	0.0137	1	09/21/2019 04:41	WG1349721
1,1,1-Trichloroethane	U		0.000300	0.00273	1	09/21/2019 04:41	WG1349721
1,1,2-Trichloroethane	U		0.000965	0.00273	1	09/21/2019 04:41	WG1349721
Trichloroethene	U		0.000437	0.00109	1	09/21/2019 04:41	WG1349721
Trichlorofluoromethane	U		0.000546	0.00273	1	09/21/2019 04:41	WG1349721
1,2,3-Trichloropropane	U		0.00557	0.0137	1	09/21/2019 04:41	WG1349721
1,2,4-Trimethylbenzene	U		0.00127	0.00546	1	09/21/2019 04:41	WG1349721
1,2,3-Trimethylbenzene	U		0.00126	0.00546	1	09/21/2019 04:41	WG1349721
1,3,5-Trimethylbenzene	U		0.00118	0.00546	1	09/21/2019 04:41	WG1349721
Vinyl acetate	U		0.00385	0.0137	1	09/21/2019 04:41	WG1349721
Vinyl chloride	U		0.000746	0.00273	1	09/21/2019 04:41	WG1349721
Xylenes, Total	U		0.00522	0.00710	1	09/21/2019 04:41	WG1349721
(S) Toluene-d8	*105*			*75.0-131*		*09/21/2019 04:41*	WG1349721
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/21/2019 04:41*	WG1349721
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*09/21/2019 04:41*	WG1349721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	09/20/2019 17:49	WG1349352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0391	B	0.0150	0.0273	1	09/21/2019 08:05	WG1349767
Acrylonitrile	U		0.00208	0.0137	1	09/21/2019 08:05	WG1349767
Benzene	U		0.000437	0.00109	1	09/21/2019 08:05	WG1349767
Bromobenzene	U		0.00115	0.0137	1	09/21/2019 08:05	WG1349767
Bromodichloromethane	U		0.000861	0.00273	1	09/21/2019 08:05	WG1349767
Bromochloromethane	U	J4	0.00123	0.00546	1	09/21/2019 08:05	WG1349767
Bromoform	U		0.00653	0.0273	1	09/21/2019 08:05	WG1349767
Bromomethane	U		0.00404	0.0137	1	09/21/2019 08:05	WG1349767
n-Butylbenzene	U		0.00419	0.0137	1	09/21/2019 08:05	WG1349767
sec-Butylbenzene	U		0.00276	0.0137	1	09/21/2019 08:05	WG1349767
tert-Butylbenzene	U		0.00169	0.00546	1	09/21/2019 08:05	WG1349767
Carbon disulfide	U	J3 J4	0.00444	0.0137	1	09/21/2019 08:05	WG1349767
Carbon tetrachloride	U	J4	0.00118	0.00546	1	09/21/2019 08:05	WG1349767
Chlorobenzene	U		0.000626	0.00273	1	09/21/2019 08:05	WG1349767
Chlorodibromomethane	U		0.000492	0.00273	1	09/21/2019 08:05	WG1349767
Chloroethane	U		0.00118	0.00546	1	09/21/2019 08:05	WG1349767
Chloroform	U		0.000453	0.00273	1	09/21/2019 08:05	WG1349767
Chloromethane	U		0.00152	0.0137	1	09/21/2019 08:05	WG1349767
2-Chlorotoluene	U		0.00101	0.00273	1	09/21/2019 08:05	WG1349767
4-Chlorotoluene	U		0.00123	0.00546	1	09/21/2019 08:05	WG1349767
1,2-Dibromo-3-Chloropropane	U		0.00557	0.0273	1	09/21/2019 08:05	WG1349767
1,2-Dibromoethane	U		0.000574	0.00273	1	09/21/2019 08:05	WG1349767
Dibromomethane	U		0.00109	0.00546	1	09/21/2019 08:05	WG1349767
1,2-Dichlorobenzene	U		0.00158	0.00546	1	09/21/2019 08:05	WG1349767
1,3-Dichlorobenzene	U		0.00186	0.00546	1	09/21/2019 08:05	WG1349767
1,4-Dichlorobenzene	U		0.00215	0.00546	1	09/21/2019 08:05	WG1349767
Dichlorodifluoromethane	U		0.000894	0.00273	1	09/21/2019 08:05	WG1349767
1,1-Dichloroethane	U		0.000628	0.00273	1	09/21/2019 08:05	WG1349767
1,2-Dichloroethane	U		0.000519	0.00273	1	09/21/2019 08:05	WG1349767
1,1-Dichloroethene	U		0.000546	0.00273	1	09/21/2019 08:05	WG1349767
cis-1,2-Dichloroethene	U		0.000754	0.00273	1	09/21/2019 08:05	WG1349767
trans-1,2-Dichloroethene	U		0.00156	0.00546	1	09/21/2019 08:05	WG1349767
1,2-Dichloropropane	U		0.00139	0.00546	1	09/21/2019 08:05	WG1349767
1,1-Dichloropropene	U		0.000765	0.00273	1	09/21/2019 08:05	WG1349767
1,3-Dichloropropane	U		0.00191	0.00546	1	09/21/2019 08:05	WG1349767
cis-1,3-Dichloropropene	U		0.000741	0.00273	1	09/21/2019 08:05	WG1349767
trans-1,3-Dichloropropene	U		0.00167	0.00546	1	09/21/2019 08:05	WG1349767
trans-1,4-Dichloro-2-butene	U	J0	0.00153	0.00546	1	09/21/2019 08:05	WG1349767
2,2-Dichloropropane	U		0.000866	0.00273	1	09/21/2019 08:05	WG1349767
Di-isopropyl ether	U		0.000382	0.00109	1	09/21/2019 08:05	WG1349767
Ethylbenzene	U		0.000579	0.00273	1	09/21/2019 08:05	WG1349767
Hexachloro-1,3-butadiene	U		0.0139	0.0273	1	09/21/2019 08:05	WG1349767
2-Hexanone	U		0.0109	0.0273	1	09/21/2019 08:05	WG1349767
n-Hexane	U	J0	0.00116	0.00546	1	09/21/2019 08:05	WG1349767
Iodomethane	U		0.00661	0.0137	1	09/21/2019 08:05	WG1349767
Isopropylbenzene	U		0.000943	0.00273	1	09/21/2019 08:05	WG1349767
p-Isopropyltoluene	U	J3	0.00255	0.00546	1	09/21/2019 08:05	WG1349767
2-Butanone (MEK)	U		0.0137	0.0273	1	09/21/2019 08:05	WG1349767
Methylene Chloride	U		0.00725	0.0273	1	09/21/2019 08:05	WG1349767
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0273	1	09/21/2019 08:05	WG1349767

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000322	0.00109	1	09/21/2019 08:05	WG1349767
Naphthalene	U		0.00341	0.0137	1	09/21/2019 08:05	WG1349767
n-Propylbenzene	U		0.00129	0.00546	1	09/21/2019 08:05	WG1349767
Styrene	U		0.00298	0.0137	1	09/21/2019 08:05	WG1349767
1,1,1,2-Tetrachloroethane	U		0.000546	0.00273	1	09/21/2019 08:05	WG1349767
1,1,2,2-Tetrachloroethane	U		0.000426	0.00273	1	09/21/2019 08:05	WG1349767
1,1,2-Trichlorotrifluoroethane	U		0.000737	0.00273	1	09/21/2019 08:05	WG1349767
Tetrachloroethene	U		0.000765	0.00273	1	09/21/2019 08:05	WG1349767
Toluene	0.00455	J	0.00137	0.00546	1	09/21/2019 08:05	WG1349767
1,2,3-Trichlorobenzene	U		0.000683	0.00273	1	09/21/2019 08:05	WG1349767
1,2,4-Trichlorobenzene	U		0.00527	0.0137	1	09/21/2019 08:05	WG1349767
1,1,1-Trichloroethane	U	J4	0.000300	0.00273	1	09/21/2019 08:05	WG1349767
1,1,2-Trichloroethane	U		0.000965	0.00273	1	09/21/2019 08:05	WG1349767
Trichloroethene	U		0.000437	0.00109	1	09/21/2019 08:05	WG1349767
Trichlorofluoromethane	U		0.000546	0.00273	1	09/21/2019 08:05	WG1349767
1,2,3-Trichloropropane	U		0.00557	0.0137	1	09/21/2019 08:05	WG1349767
1,2,4-Trimethylbenzene	U		0.00127	0.00546	1	09/21/2019 08:05	WG1349767
1,2,3-Trimethylbenzene	U		0.00126	0.00546	1	09/21/2019 08:05	WG1349767
1,3,5-Trimethylbenzene	U		0.00118	0.00546	1	09/21/2019 08:05	WG1349767
Vinyl acetate	U		0.00385	0.0137	1	09/21/2019 08:05	WG1349767
Vinyl chloride	U	J4	0.000746	0.00273	1	09/21/2019 08:05	WG1349767
Xylenes, Total	U		0.00522	0.00710	1	09/21/2019 08:05	WG1349767
(S) Toluene-d8	*105*			*75.0-131*		*09/21/2019 08:05*	WG1349767
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/21/2019 08:05*	WG1349767
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/21/2019 08:05*	WG1349767

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.22	B J J0	1.05	25.0	1	09/21/2019 11:48	WG1349831
Acrylonitrile	U		0.873	5.00	1	09/21/2019 11:48	WG1349831
Benzene	U		0.0896	0.500	1	09/21/2019 11:48	WG1349831
Bromobenzene	U		0.133	0.500	1	09/21/2019 11:48	WG1349831
Bromodichloromethane	U		0.0800	0.500	1	09/21/2019 11:48	WG1349831
Bromochloromethane	U		0.145	0.500	1	09/21/2019 11:48	WG1349831
Bromoform	U		0.186	0.500	1	09/21/2019 11:48	WG1349831
Bromomethane	U		0.157	2.50	1	09/21/2019 11:48	WG1349831
n-Butylbenzene	U		0.143	0.500	1	09/21/2019 11:48	WG1349831
sec-Butylbenzene	U		0.134	0.500	1	09/21/2019 11:48	WG1349831
tert-Butylbenzene	U		0.183	0.500	1	09/21/2019 11:48	WG1349831
Carbon disulfide	U		0.101	0.500	1	09/21/2019 11:48	WG1349831
Carbon tetrachloride	U		0.159	0.500	1	09/21/2019 11:48	WG1349831
Chlorobenzene	U		0.140	0.500	1	09/21/2019 11:48	WG1349831
Chlorodibromomethane	U		0.128	0.500	1	09/21/2019 11:48	WG1349831
Chloroethane	U		0.141	2.50	1	09/21/2019 11:48	WG1349831
Chloroform	U		0.0860	0.500	1	09/21/2019 11:48	WG1349831
Chloromethane	U		0.153	1.25	1	09/21/2019 11:48	WG1349831
2-Chlorotoluene	U		0.111	0.500	1	09/21/2019 11:48	WG1349831
4-Chlorotoluene	U		0.0972	0.500	1	09/21/2019 11:48	WG1349831
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/21/2019 11:48	WG1349831
1,2-Dibromoethane	U		0.193	0.500	1	09/21/2019 11:48	WG1349831
Dibromomethane	U		0.117	0.500	1	09/21/2019 11:48	WG1349831
1,2-Dichlorobenzene	U		0.101	0.500	1	09/21/2019 11:48	WG1349831
1,3-Dichlorobenzene	U		0.130	0.500	1	09/21/2019 11:48	WG1349831
1,4-Dichlorobenzene	U		0.121	0.500	1	09/21/2019 11:48	WG1349831
Dichlorodifluoromethane	U		0.127	2.50	1	09/21/2019 11:48	WG1349831
1,1-Dichloroethane	U		0.114	0.500	1	09/21/2019 11:48	WG1349831
1,2-Dichloroethane	U		0.108	0.500	1	09/21/2019 11:48	WG1349831
1,1-Dichloroethene	U		0.188	0.500	1	09/21/2019 11:48	WG1349831
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/21/2019 11:48	WG1349831
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/21/2019 11:48	WG1349831
1,2-Dichloropropane	U		0.190	0.500	1	09/21/2019 11:48	WG1349831
1,1-Dichloropropene	U		0.128	0.500	1	09/21/2019 11:48	WG1349831
1,3-Dichloropropane	U		0.147	1.00	1	09/21/2019 11:48	WG1349831
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/21/2019 11:48	WG1349831
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/21/2019 11:48	WG1349831
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	09/21/2019 11:48	WG1349831
2,2-Dichloropropane	U		0.0929	0.500	1	09/21/2019 11:48	WG1349831
Di-isopropyl ether	U		0.0924	0.500	1	09/21/2019 11:48	WG1349831
Ethylbenzene	U		0.158	0.500	1	09/21/2019 11:48	WG1349831
Hexachloro-1,3-butadiene	U	J0	0.157	1.00	1	09/21/2019 11:48	WG1349831
2-Hexanone	U		0.757	5.00	1	09/21/2019 11:48	WG1349831
n-Hexane	U		0.305	5.00	1	09/21/2019 11:48	WG1349831
Iodomethane	U		0.377	10.0	1	09/21/2019 11:48	WG1349831
Isopropylbenzene	U		0.126	0.500	1	09/21/2019 11:48	WG1349831
p-Isopropyltoluene	U		0.138	0.500	1	09/21/2019 11:48	WG1349831
2-Butanone (MEK)	U		1.28	5.00	1	09/21/2019 11:48	WG1349831
Methylene Chloride	U		1.07	2.50	1	09/21/2019 11:48	WG1349831
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/21/2019 11:48	WG1349831
Methyl tert-butyl ether	U		0.102	0.500	1	09/21/2019 11:48	WG1349831
Naphthalene	U		0.174	2.50	1	09/21/2019 11:48	WG1349831
n-Propylbenzene	U		0.162	0.500	1	09/21/2019 11:48	WG1349831
Styrene	U		0.117	0.500	1	09/21/2019 11:48	WG1349831
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/21/2019 11:48	WG1349831
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/21/2019 11:48	WG1349831

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/21/2019 11:48	WG1349831
Tetrachloroethene	U		0.199	0.500	1	09/21/2019 11:48	WG1349831
Toluene	U		0.412	0.500	1	09/21/2019 11:48	WG1349831
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/21/2019 11:48	WG1349831
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/21/2019 11:48	WG1349831
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/21/2019 11:48	WG1349831
1,1,2-Trichloroethane	U		0.186	0.500	1	09/21/2019 11:48	WG1349831
Trichloroethene	U		0.153	0.500	1	09/21/2019 11:48	WG1349831
Trichlorofluoromethane	U		0.130	2.50	1	09/21/2019 11:48	WG1349831
1,2,3-Trichloropropane	U	J4	0.247	2.50	1	09/21/2019 11:48	WG1349831
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/21/2019 11:48	WG1349831
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/21/2019 11:48	WG1349831
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/21/2019 11:48	WG1349831
Vinyl acetate	U	J0	0.645	5.00	1	09/21/2019 11:48	WG1349831
Vinyl chloride	U		0.118	0.500	1	09/21/2019 11:48	WG1349831
Xylenes, Total	U		0.316	1.50	1	09/21/2019 11:48	WG1349831
(S) Toluene-d8	*101*			*80.0-120*		*09/21/2019 11:48*	WG1349831
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*09/21/2019 11:48*	WG1349831
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/21/2019 11:48*	WG1349831

Method Blank (MB)

(MB) R3453073-1 09/20/19 12:40

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1139516-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1139516-23 09/20/19 12:40 • (DUP) R3453073-3 09/20/19 12:40

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.2	80.7	1	1.91		10

Laboratory Control Sample (LCS)

(LCS) R3453073-2 09/20/19 12:40

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) R3453410-1 09/20/19 18:00

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1139523-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1139523-10 09/20/19 18:00 • (DUP) R3453410-3 09/20/19 18:00

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	81.1	80.9	1	0.223		10

Laboratory Control Sample (LCS)

(LCS) R3453410-2 09/20/19 18:00

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) R3453407-1 09/20/19 17:49

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1139523-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1139523-22 09/20/19 17:49 • (DUP) R3453407-3 09/20/19 17:49

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.5	90.4	1	1.24		10

Laboratory Control Sample (LCS)

(LCS) R3453407-2 09/20/19 17:49

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3453581-3 09/20/19 05:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	U		0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U	J0	0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3453581-3 09/20/19 05:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	0.0148	J	0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*106*			*75.0-131*
(S) 4-Bromofluorobenzene	*97.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*

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

(LCS) R3453581-1 09/20/19 03:23 • (LCSD) R3453581-2 09/20/19 03:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.584	0.588	93.4	94.1	10.0-160			0.659	31
Acrylonitrile	0.625	0.596	0.607	95.4	97.1	45.0-153			1.76	22
Benzene	0.125	0.125	0.126	100	101	70.0-123			0.671	20
Bromobenzene	0.125	0.117	0.123	93.7	98.1	73.0-121			4.59	20
Bromodichloromethane	0.125	0.117	0.120	93.9	96.1	73.0-121			2.32	20
Bromochloromethane	0.125	0.120	0.122	95.9	97.7	77.0-128			1.84	20
Bromoform	0.125	0.115	0.116	92.0	92.6	64.0-132			0.725	20
Bromomethane	0.125	0.129	0.131	103	105	56.0-147			1.27	20
n-Butylbenzene	0.125	0.127	0.133	101	107	68.0-135			5.10	20
sec-Butylbenzene	0.125	0.130	0.136	104	108	74.0-130			4.28	20
tert-Butylbenzene	0.125	0.130	0.135	104	108	75.0-127			3.90	20
Carbon disulfide	0.125	0.121	0.125	96.7	99.9	56.0-133			3.27	20
Carbon tetrachloride	0.125	0.126	0.126	101	101	66.0-128			0.122	20
Chlorobenzene	0.125	0.124	0.127	99.3	102	76.0-128			2.19	20
Chlorodibromomethane	0.125	0.118	0.123	94.6	98.3	74.0-127			3.93	20
Chloroethane	0.125	0.132	0.133	105	106	61.0-134			0.539	20
Chloroform	0.125	0.122	0.124	97.7	99.0	72.0-123			1.27	20
Chloromethane	0.125	0.122	0.121	97.7	96.5	51.0-138			1.26	20
2-Chlorotoluene	0.125	0.127	0.135	102	108	75.0-124			5.81	20
4-Chlorotoluene	0.125	0.118	0.126	94.6	101	75.0-124			6.29	20
1,2-Dibromo-3-Chloropropane	0.125	0.102	0.102	82.0	81.9	59.0-130	J0	J0	0.109	20
1,2-Dibromoethane	0.125	0.128	0.129	103	103	74.0-128			0.296	20
Dibromomethane	0.125	0.123	0.124	98.1	99.0	75.0-122			0.934	20
1,2-Dichlorobenzene	0.125	0.130	0.138	104	110	76.0-124			5.63	20
1,3-Dichlorobenzene	0.125	0.130	0.133	104	106	76.0-125			2.17	20
1,4-Dichlorobenzene	0.125	0.125	0.132	100	106	77.0-121			5.71	20
trans-1,4-Dichloro-2-butene	0.125	0.126	0.128	101	103	45.0-143			1.71	20
Dichlorodifluoromethane	0.125	0.125	0.126	99.9	101	43.0-156			1.25	20
1,1-Dichloroethane	0.125	0.125	0.126	100	101	70.0-127			0.659	20
1,2-Dichloroethane	0.125	0.116	0.118	92.4	94.2	65.0-131			1.90	20
1,1-Dichloroethene	0.125	0.123	0.130	98.2	104	65.0-131			5.64	20
cis-1,2-Dichloroethene	0.125	0.125	0.125	100	100	73.0-125			0.190	20
trans-1,2-Dichloroethene	0.125	0.130	0.135	104	108	71.0-125			3.51	20
1,2-Dichloropropane	0.125	0.130	0.128	104	102	74.0-125			1.34	20
1,1-Dichloropropene	0.125	0.126	0.132	101	106	73.0-125			4.51	20
1,3-Dichloropropane	0.125	0.129	0.129	103	103	80.0-125			0.316	20
cis-1,3-Dichloropropene	0.125	0.129	0.130	103	104	76.0-127			0.889	20
trans-1,3-Dichloropropene	0.125	0.127	0.130	102	104	73.0-127			1.86	20
2,2-Dichloropropane	0.125	0.132	0.138	105	110	59.0-135			4.44	20
Di-isopropyl ether	0.125	0.124	0.124	99.1	98.9	60.0-136			0.163	20

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

(LCS) R3453581-1 09/20/19 03:23 • (LCSD) R3453581-2 09/20/19 03:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.125	0.127	0.132	102	106	74.0-126			4.13	20
Hexachloro-1,3-butadiene	0.125	0.137	0.141	110	113	57.0-150			2.59	20
2-Hexanone	0.625	0.582	0.611	93.2	97.8	54.0-147			4.84	20
n-Hexane	0.125	0.139	0.140	112	112	55.0-137			0.213	20
Iodomethane	0.625	0.641	0.639	102	102	74.0-134			0.313	20
Isopropylbenzene	0.125	0.129	0.132	103	105	72.0-127			2.25	20
p-Isopropyltoluene	0.125	0.134	0.140	107	112	72.0-133			4.62	20
2-Butanone (MEK)	0.625	0.567	0.573	90.8	91.7	30.0-160			1.06	24
Methylene Chloride	0.125	0.123	0.122	98.3	97.5	68.0-123			0.811	20
4-Methyl-2-pentanone (MIBK)	0.625	0.586	0.604	93.8	96.6	56.0-143			3.03	20
Methyl tert-butyl ether	0.125	0.124	0.124	99.5	99.5	66.0-132			0.0350	20
Naphthalene	0.125	0.109	0.113	87.6	90.1	59.0-130			2.83	20
n-Propylbenzene	0.125	0.125	0.130	99.7	104	74.0-126			4.12	20
Styrene	0.125	0.124	0.130	99.2	104	72.0-127			4.57	20
1,1,1,2-Tetrachloroethane	0.125	0.128	0.132	102	105	74.0-129			3.00	20
1,1,2,2-Tetrachloroethane	0.125	0.114	0.118	91.4	94.7	68.0-128			3.57	20
Tetrachloroethene	0.125	0.138	0.145	110	116	70.0-136			4.84	20
Toluene	0.125	0.122	0.126	98.0	101	75.0-121			3.01	20
1,1,2-Trichlorotrifluoroethane	0.125	0.117	0.109	93.4	87.3	61.0-139			6.77	20
1,2,3-Trichlorobenzene	0.125	0.122	0.123	97.4	98.1	59.0-139			0.746	20
1,2,4-Trichlorobenzene	0.125	0.126	0.134	100	107	62.0-137			6.63	20
1,1,1-Trichloroethane	0.125	0.122	0.124	97.7	99.2	69.0-126			1.52	20
1,1,2-Trichloroethane	0.125	0.122	0.127	97.6	101	78.0-123			3.64	20
Trichloroethene	0.125	0.135	0.138	108	111	76.0-126			2.33	20
Trichlorofluoromethane	0.125	0.118	0.120	94.4	96.1	61.0-142			1.80	20
1,2,3-Trichloropropane	0.125	0.123	0.131	98.8	104	67.0-129			5.57	20
1,2,3-Trimethylbenzene	0.125	0.123	0.128	98.7	103	74.0-124			3.84	20
1,2,4-Trimethylbenzene	0.125	0.123	0.128	98.5	103	70.0-126			4.10	20
1,3,5-Trimethylbenzene	0.125	0.127	0.133	102	107	73.0-127			4.49	20
Vinyl acetate	0.625	0.603	0.591	96.6	94.6	43.0-159			2.04	20
Vinyl chloride	0.125	0.122	0.124	97.2	99.3	63.0-134			2.10	20
Xylenes, Total	0.375	0.388	0.398	103	106	72.0-127			2.54	20
(S) Toluene-d8				*105*	*104*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.7*	*96.8*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*99.2*	*98.8*	*70.0-130*				

Method Blank (MB)

(MB) R3453279-2 09/20/19 20:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	0.0141	J	0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	0.00123	J	0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3453279-2 09/20/19 20:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	0.00792	J	0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*104*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*92.5*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3453279-1 09/20/19 19:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.552	88.4	10.0-160	
Acrylonitrile	0.625	0.534	85.5	45.0-153	
Benzene	0.125	0.125	100	70.0-123	
Bromobenzene	0.125	0.114	91.0	73.0-121	
Bromodichloromethane	0.125	0.129	104	73.0-121	
Bromochloromethane	0.125	0.156	125	77.0-128	
Bromoform	0.125	0.112	89.2	64.0-132	
Bromomethane	0.125	0.134	107	56.0-147	
n-Butylbenzene	0.125	0.112	89.3	68.0-135	
sec-Butylbenzene	0.125	0.129	103	74.0-130	
tert-Butylbenzene	0.125	0.121	96.5	75.0-127	
Carbon disulfide	0.125	0.0589	47.1	56.0-133	J4
Carbon tetrachloride	0.125	0.135	108	66.0-128	
Chlorobenzene	0.125	0.105	83.6	76.0-128	
Chlorodibromomethane	0.125	0.123	98.1	74.0-127	
Chloroethane	0.125	0.125	100	61.0-134	
Chloroform	0.125	0.110	87.8	72.0-123	
Chloromethane	0.125	0.138	111	51.0-138	
2-Chlorotoluene	0.125	0.111	88.6	75.0-124	
4-Chlorotoluene	0.125	0.120	96.4	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.107	85.6	59.0-130	
1,2-Dibromoethane	0.125	0.119	94.9	74.0-128	
Dibromomethane	0.125	0.117	93.6	75.0-122	
1,2-Dichlorobenzene	0.125	0.118	94.5	76.0-124	
1,3-Dichlorobenzene	0.125	0.119	95.1	76.0-125	
1,4-Dichlorobenzene	0.125	0.116	92.9	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.123	98.2	45.0-143	
Dichlorodifluoromethane	0.125	0.133	106	43.0-156	
1,1-Dichloroethane	0.125	0.134	107	70.0-127	
1,2-Dichloroethane	0.125	0.127	102	65.0-131	
1,1-Dichloroethene	0.125	0.139	111	65.0-131	
cis-1,2-Dichloroethene	0.125	0.121	96.8	73.0-125	
trans-1,2-Dichloroethene	0.125	0.133	106	71.0-125	
1,2-Dichloropropane	0.125	0.127	102	74.0-125	
1,1-Dichloropropene	0.125	0.141	113	73.0-125	
1,3-Dichloropropane	0.125	0.116	92.5	80.0-125	
cis-1,3-Dichloropropene	0.125	0.120	95.7	76.0-127	
trans-1,3-Dichloropropene	0.125	0.119	95.0	73.0-127	
2,2-Dichloropropane	0.125	0.146	117	59.0-135	
Di-isopropyl ether	0.125	0.117	93.8	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3453279-1 09/20/19 19:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.126	101	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.117	93.5	57.0-150	
2-Hexanone	0.625	0.512	81.9	54.0-147	
n-Hexane	0.125	0.103	82.7	55.0-137	
Iodomethane	0.625	0.684	109	74.0-134	
Isopropylbenzene	0.125	0.111	88.6	72.0-127	
p-Isopropyltoluene	0.125	0.124	99.4	72.0-133	
2-Butanone (MEK)	0.625	0.583	93.2	30.0-160	
Methylene Chloride	0.125	0.127	101	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.516	82.5	56.0-143	
Methyl tert-butyl ether	0.125	0.137	110	66.0-132	
Naphthalene	0.125	0.110	87.7	59.0-130	
n-Propylbenzene	0.125	0.108	86.1	74.0-126	
Styrene	0.125	0.119	95.6	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.125	100	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0959	76.7	68.0-128	
Tetrachloroethene	0.125	0.131	105	70.0-136	
Toluene	0.125	0.113	90.2	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.109	87.1	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.108	86.0	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.122	97.9	62.0-137	
1,1,1-Trichloroethane	0.125	0.148	118	69.0-126	
1,1,2-Trichloroethane	0.125	0.130	104	78.0-123	
Trichloroethene	0.125	0.131	105	76.0-126	
Trichlorofluoromethane	0.125	0.118	94.0	61.0-142	
1,2,3-Trichloropropane	0.125	0.104	83.0	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.121	96.8	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.117	93.6	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.112	90.0	73.0-127	
Vinyl acetate	0.625	0.729	117	43.0-159	
Vinyl chloride	0.125	0.160	128	63.0-134	
Xylenes, Total	0.375	0.341	90.9	72.0-127	
(S) Toluene-d8			*102*	*75.0-131*	
(S) 4-Bromofluorobenzene			*104*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Method Blank (MB)

(MB) R3453315-3 09/21/19 07:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	0.0414		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	U		0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3453315-3 09/21/19 07:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	0.00907	J	0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*105*			*75.0-131*
(S) 4-Bromofluorobenzene	*102*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

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

(LCS) R3453315-1 09/21/19 05:42 • (LCSD) R3453315-2 09/21/19 06:02

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	0.557	0.482	89.2	77.1	10.0-160			14.6	31
Acrylonitrile	0.625	0.544	0.551	87.0	88.2	45.0-153			1.43	22
Benzene	0.125	0.128	0.139	102	111	70.0-123			8.49	20
Bromobenzene	0.125	0.118	0.134	94.6	107	73.0-121			12.7	20
Bromodichloromethane	0.125	0.133	0.141	106	113	73.0-121			6.20	20
Bromochloromethane	0.125	0.154	0.162	123	129	77.0-128		J4	4.95	20
Bromoform	0.125	0.113	0.129	90.3	103	64.0-132			13.3	20
Bromomethane	0.125	0.132	0.147	106	117	56.0-147			10.4	20
n-Butylbenzene	0.125	0.113	0.128	90.7	102	68.0-135			11.8	20
sec-Butylbenzene	0.125	0.131	0.151	105	121	74.0-130			14.5	20
tert-Butylbenzene	0.125	0.126	0.142	101	113	75.0-127			12.0	20
Carbon disulfide	0.125	0.114	0.0652	91.2	52.2	56.0-133		J3 J4	54.5	20
Carbon tetrachloride	0.125	0.138	0.161	110	129	66.0-128		J4	15.3	20
Chlorobenzene	0.125	0.109	0.124	87.3	98.8	76.0-128			12.4	20
Chlorodibromomethane	0.125	0.136	0.143	109	114	74.0-127			5.03	20
Chloroethane	0.125	0.122	0.143	97.5	114	61.0-134			15.8	20
Chloroform	0.125	0.111	0.125	88.6	99.8	72.0-123			11.9	20
Chloromethane	0.125	0.140	0.150	112	120	51.0-138			7.27	20
2-Chlorotoluene	0.125	0.113	0.129	90.2	103	75.0-124			13.3	20
4-Chlorotoluene	0.125	0.122	0.133	97.7	106	75.0-124			8.25	20
1,2-Dibromo-3-Chloropropane	0.125	0.106	0.107	84.4	85.2	59.0-130			0.987	20
1,2-Dibromoethane	0.125	0.122	0.136	97.7	108	74.0-128			10.4	20
Dibromomethane	0.125	0.119	0.126	95.0	101	75.0-122			6.21	20
1,2-Dichlorobenzene	0.125	0.120	0.131	96.2	105	76.0-124			8.87	20
1,3-Dichlorobenzene	0.125	0.124	0.136	99.4	109	76.0-125			9.25	20
1,4-Dichlorobenzene	0.125	0.113	0.127	90.1	102	77.0-121			12.2	20
trans-1,4-Dichloro-2-butene	0.125	0.110	0.127	88.3	101	45.0-143			13.7	20
Dichlorodifluoromethane	0.125	0.140	0.147	112	118	43.0-156			5.42	20
1,1-Dichloroethane	0.125	0.137	0.153	109	122	70.0-127			11.4	20
1,2-Dichloroethane	0.125	0.131	0.136	105	109	65.0-131			3.54	20
1,1-Dichloroethene	0.125	0.140	0.153	112	122	65.0-131			8.52	20
cis-1,2-Dichloroethene	0.125	0.119	0.132	95.5	105	73.0-125			9.98	20
trans-1,2-Dichloroethene	0.125	0.133	0.151	106	121	71.0-125			13.2	20
1,2-Dichloropropane	0.125	0.125	0.137	100	110	74.0-125			9.42	20
1,1-Dichloropropene	0.125	0.134	0.155	107	124	73.0-125			14.4	20
1,3-Dichloropropane	0.125	0.114	0.128	91.0	103	80.0-125			12.0	20
cis-1,3-Dichloropropene	0.125	0.120	0.127	95.7	101	76.0-127			5.84	20
trans-1,3-Dichloropropene	0.125	0.122	0.133	97.3	106	73.0-127			8.94	20
2,2-Dichloropropane	0.125	0.138	0.156	110	124	59.0-135			12.2	20
Di-isopropyl ether	0.125	0.117	0.125	93.7	100	60.0-136			6.71	20

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

(LCS) R3453315-1 09/21/19 05:42 • (LCSD) R3453315-2 09/21/19 06:02

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	0.127	0.146	102	117	74.0-126			13.7	20
Hexachloro-1,3-butadiene	0.125	0.123	0.140	98.2	112	57.0-150			13.4	20
2-Hexanone	0.625	0.524	0.552	83.9	88.4	54.0-147			5.26	20
n-Hexane	0.125	0.0980	0.111	78.4	88.5	55.0-137			12.1	20
Iodomethane	0.625	0.698	0.781	112	125	74.0-134			11.2	20
Isopropylbenzene	0.125	0.113	0.129	90.1	103	72.0-127			13.7	20
p-Isopropyltoluene	0.125	0.111	0.145	89.2	116	72.0-133		J3	26.2	20
2-Butanone (MEK)	0.625	0.589	0.613	94.2	98.1	30.0-160			4.02	24
Methylene Chloride	0.125	0.125	0.134	99.9	107	68.0-123			6.91	20
4-Methyl-2-pentanone (MIBK)	0.625	0.527	0.574	84.3	91.9	56.0-143			8.65	20
Methyl tert-butyl ether	0.125	0.136	0.143	109	115	66.0-132			5.18	20
Naphthalene	0.125	0.110	0.120	87.9	96.2	59.0-130			9.05	20
n-Propylbenzene	0.125	0.110	0.129	88.1	103	74.0-126			15.7	20
Styrene	0.125	0.123	0.129	98.1	104	72.0-127			5.39	20
1,1,1,2-Tetrachloroethane	0.125	0.125	0.146	100	117	74.0-129			15.7	20
1,1,2,2-Tetrachloroethane	0.125	0.0958	0.103	76.6	82.1	68.0-128			6.89	20
Tetrachloroethene	0.125	0.141	0.155	113	124	70.0-136			9.35	20
Toluene	0.125	0.116	0.130	92.9	104	75.0-121			11.3	20
1,1,2-Trichlorotrifluoroethane	0.125	0.106	0.128	84.8	102	61.0-139			18.8	20
1,2,3-Trichlorobenzene	0.125	0.111	0.127	88.7	102	59.0-139			13.7	20
1,2,4-Trichlorobenzene	0.125	0.132	0.148	106	119	62.0-137			11.5	20
1,1,1-Trichloroethane	0.125	0.142	0.167	114	133	69.0-126		J4	15.7	20
1,1,2-Trichloroethane	0.125	0.135	0.144	108	115	78.0-123			6.38	20
Trichloroethene	0.125	0.134	0.155	107	124	76.0-126			14.5	20
Trichlorofluoromethane	0.125	0.116	0.133	93.0	106	61.0-142			13.2	20
1,2,3-Trichloropropane	0.125	0.110	0.119	88.0	95.1	67.0-129			7.70	20
1,2,3-Trimethylbenzene	0.125	0.124	0.137	98.9	110	74.0-124			10.3	20
1,2,4-Trimethylbenzene	0.125	0.120	0.131	95.6	105	70.0-126			8.95	20
1,3,5-Trimethylbenzene	0.125	0.117	0.132	93.6	105	73.0-127			11.7	20
Vinyl acetate	0.625	0.634	0.632	101	101	43.0-159			0.328	20
Vinyl chloride	0.125	0.151	0.175	121	140	63.0-134		J4	14.9	20
Xylenes, Total	0.375	0.364	0.404	97.1	108	72.0-127			10.4	20
(S) Toluene-d8				*104*	*106*	*75.0-131*				
(S) 4-Bromofluorobenzene				*104*	*105*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*103*	*101*	*70.0-130*				

L1139620-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1139620-01 09/21/19 08:46 • (MS) R3453315-4 09/21/19 14:54 • (MSD) R3453315-5 09/21/19 15:15

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	0.625	ND	0.335	0.347	53.6	55.6	1	10.0-160			3.67	40
Acrylonitrile	0.625	ND	0.347	0.541	55.5	86.5	1	10.0-160		J3	43.7	40
Benzene	0.125	ND	0.131	0.0755	105	60.4	1	10.0-149		J3	53.6	37
Bromobenzene	0.125	ND	0.121	0.0925	96.5	74.0	1	10.0-156			26.4	38
Bromodichloromethane	0.125	ND	0.135	0.101	108	81.0	1	10.0-143			28.5	37
Bromoform	0.125	ND	0.103	0.111	82.4	89.1	1	10.0-146			7.78	36
Bromochloromethane	0.125	ND	0.143	0.125	114	100	1	10.0-155			13.1	33
Bromomethane	0.125	ND	0.0871	0.0491	69.7	39.3	1	10.0-149		J3	55.9	38
n-Butylbenzene	0.125	ND	0.122	0.0674	97.6	53.9	1	10.0-160		J3	57.7	40
sec-Butylbenzene	0.125	ND	0.145	0.0760	116	60.8	1	10.0-159		J3	62.2	39
tert-Butylbenzene	0.125	ND	0.136	0.0712	109	57.0	1	10.0-156		J3	62.6	39
Carbon tetrachloride	0.125	ND	0.139	0.0652	111	52.1	1	10.0-145		J3	72.5	37
Carbon disulfide	0.125	ND	0.0959	0.0478	76.7	38.3	1	10.0-145		J3	66.9	39
Chlorobenzene	0.125	ND	0.110	0.0775	88.0	62.0	1	10.0-152			34.7	39
Chlorodibromomethane	0.125	ND	0.118	0.115	94.7	92.1	1	10.0-146			2.80	37
Chloroethane	0.125	ND	0.104	0.0488	83.5	39.1	1	10.0-146		J3	72.5	40
Chloroform	0.125	ND	0.108	0.0778	85.9	61.4	1	10.0-146			32.9	37
Chloromethane	0.125	ND	0.105	0.0528	84.1	42.2	1	10.0-159		J3	66.2	37
2-Chlorotoluene	0.125	ND	0.119	0.0723	95.3	57.8	1	10.0-159		J3	49.0	38
4-Chlorotoluene	0.125	ND	0.123	0.0831	98.6	66.5	1	10.0-155			38.9	39
1,2-Dibromo-3-Chloropropane	0.125	ND	0.0743	0.101	59.4	81.2	1	10.0-151			31.0	39
1,2-Dibromoethane	0.125	ND	0.114	0.119	91.0	95.4	1	10.0-148			4.71	34
Dibromomethane	0.125	ND	0.107	0.108	85.3	86.6	1	10.0-147			1.48	35
1,2-Dichlorobenzene	0.125	ND	0.116	0.103	93.1	82.4	1	10.0-155			12.2	37
1,3-Dichlorobenzene	0.125	ND	0.125	0.0943	99.6	75.4	1	10.0-153			27.6	38
1,4-Dichlorobenzene	0.125	ND	0.117	0.0916	93.2	73.3	1	10.0-151			24.0	38
Dichlorodifluoromethane	0.125	ND	0.134	0.0447	107	35.8	1	10.0-160		J3	100	35
trans-1,4-Dichloro-2-butene	0.125	ND	0.102	0.121	81.3	96.6	1	10.0-152			17.2	36
1,1-Dichloroethane	0.125	ND	0.132	0.0816	106	65.3	1	10.0-147		J3	47.5	37
1,2-Dichloroethane	0.125	ND	0.124	0.119	99.4	95.2	1	10.0-148			4.29	35
1,1-Dichloroethene	0.125	ND	0.141	0.0613	113	49.0	1	10.0-155		J3	79.0	37
cis-1,2-Dichloroethene	0.125	ND	0.117	0.0826	93.8	66.1	1	10.0-149			34.7	37
trans-1,2-Dichloroethene	0.125	ND	0.134	0.0672	107	53.7	1	10.0-150		J3	66.4	37
1,2-Dichloropropane	0.125	ND	0.129	0.0916	103	73.3	1	10.0-148			34.2	37
1,1-Dichloropropene	0.125	ND	0.141	0.0623	113	49.8	1	10.0-153		J3	77.5	35
1,3-Dichloropropane	0.125	ND	0.118	0.110	94.3	87.9	1	10.0-154			7.12	35
cis-1,3-Dichloropropene	0.125	ND	0.118	0.0988	94.7	79.0	1	10.0-151			18.0	37
trans-1,3-Dichloropropene	0.125	ND	0.120	0.106	95.8	84.7	1	10.0-148			12.3	37
2,2-Dichloropropane	0.125	ND	0.105	0.0518	83.6	41.4	1	10.0-138		J3	67.4	36
Di-isopropyl ether	0.125	ND	0.115	0.0905	92.0	72.4	1	10.0-147			23.8	36

L1139620-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1139620-01 09/21/19 08:46 • (MS) R3453315-4 09/21/19 14:54 • (MSD) R3453315-5 09/21/19 15:15

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	0.125	ND	0.130	0.0790	104	63.2	1	10.0-160		J3	49.0	38
Hexachloro-1,3-butadiene	0.125	ND	0.113	0.0821	90.2	65.7	1	10.0-160			31.5	40
2-Hexanone	0.625	ND	0.406	0.518	64.9	82.9	1	10.0-160			24.3	36
Isopropylbenzene	0.125	ND	0.117	0.0663	93.4	53.0	1	10.0-155		J3	55.1	38
n-Hexane	0.125	ND	0.114	0.0415	91.5	33.2	1	10.0-157		J3	93.5	37
Iodomethane	0.625	ND	0.686	0.397	110	63.6	1	10.0-160		J3	53.3	38
p-Isopropyltoluene	0.125	ND	0.138	0.0751	111	60.1	1	10.0-160		J3	59.3	40
2-Butanone (MEK)	0.625	ND	0.447	0.524	71.5	83.8	1	10.0-160			15.9	40
Methylene Chloride	0.125	ND	0.125	0.0961	92.0	69.3	1	10.0-141			25.7	37
4-Methyl-2-pentanone (MIBK)	0.625	ND	0.430	0.549	68.9	87.8	1	10.0-160			24.2	35
Methyl tert-butyl ether	0.125	ND	0.120	0.120	96.0	95.8	1	11.0-147			0.222	35
Naphthalene	0.125	ND	0.0984	0.113	78.7	90.2	1	10.0-160			13.6	36
n-Propylbenzene	0.125	ND	0.120	0.0656	96.3	52.4	1	10.0-158		J3	59.0	38
Styrene	0.125	ND	0.120	0.0930	96.3	74.4	1	10.0-160			25.7	40
1,1,1,2-Tetrachloroethane	0.125	ND	0.123	0.0993	98.3	79.4	1	10.0-149			21.2	39
1,1,2,2-Tetrachloroethane	0.125	ND	0.0903	0.101	72.2	80.6	1	10.0-160			11.0	35
Tetrachloroethene	0.125	ND	0.142	0.0759	114	60.7	1	10.0-156		J3	60.8	39
Toluene	0.125	ND	0.117	0.0704	93.8	56.3	1	10.0-156		J3	49.9	38
1,1,2-Trichlorotrifluoroethane	0.125	ND	0.139	0.0523	111	41.9	1	10.0-160		J3	90.5	36
1,2,3-Trichlorobenzene	0.125	ND	0.108	0.107	86.1	85.3	1	10.0-160			0.960	40
1,2,4-Trichlorobenzene	0.125	ND	0.130	0.112	104	89.6	1	10.0-160			15.0	40
1,1,1-Trichloroethane	0.125	ND	0.144	0.0709	115	56.7	1	10.0-144		J3	68.1	35
1,1,2-Trichloroethane	0.125	ND	0.130	0.133	104	106	1	10.0-160			2.07	35
Trichloroethene	0.125	ND	0.135	0.0744	108	59.6	1	10.0-156		J3	57.8	38
Trichlorofluoromethane	0.125	ND	0.122	0.0475	97.9	38.0	1	10.0-160		J3	88.2	40
1,2,3-Trichloropropane	0.125	ND	0.0939	0.114	75.1	91.4	1	10.0-156			19.5	35
1,2,3-Trimethylbenzene	0.125	ND	0.125	0.0917	100	73.4	1	10.0-160			30.9	36
1,2,4-Trimethylbenzene	0.125	ND	0.130	0.0786	104	62.9	1	10.0-160		J3	49.2	36
1,3,5-Trimethylbenzene	0.125	ND	0.126	0.0737	100	59.0	1	10.0-160		J3	52.0	38
Vinyl chloride	0.125	ND	0.0970	0.0403	77.6	32.2	1	10.0-160		J3	82.5	37
Vinyl acetate	0.625	ND	0.426	0.462	68.1	73.9	1	10.0-128			8.10	40
Xylenes, Total	0.375	ND	0.368	0.230	98.1	61.3	1	10.0-160		J3	46.2	38
(S) Toluene-d8					*108*	*103*		*75.0-131*				
(S) 4-Bromofluorobenzene					*102*	*107*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*99.6*	*103*		*70.0-130*				

Method Blank (MB)

(MB) R3453504-2 09/22/19 11:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Tetrachloroethene	U		0.000700	0.00250
(S) Toluene-d8	*104*			*75.0-131*
(S) 4-Bromofluorobenzene	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3453504-1 09/22/19 10:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Tetrachloroethene	0.125	0.145	116	70.0-136	
(S) Toluene-d8			*104*	*75.0-131*	
(S) 4-Bromofluorobenzene			*106*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*105*	*70.0-130*	

Method Blank (MB)

(MB) R3453205-3 09/21/19 06:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	3.51	J	1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3453205-3 09/21/19 06:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

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

(LCS) R3453205-1 09/21/19 05:56 • (LCSD) R3453205-2 09/21/19 06:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	180	172	144	137	19.0-160			4.62	27
Acrylonitrile	125	150	147	120	118	55.0-149			1.73	20
Benzene	25.0	25.6	25.4	102	102	70.0-123			0.825	20
Bromobenzene	25.0	26.5	28.2	106	113	73.0-121			6.24	20
Bromodichloromethane	25.0	26.8	26.9	107	108	75.0-120			0.245	20
Bromochloromethane	25.0	25.8	25.6	103	102	76.0-122			0.762	20
Bromoform	25.0	26.3	27.3	105	109	68.0-132			3.82	20
Bromomethane	25.0	24.8	24.1	99.2	96.3	10.0-160			2.96	25
n-Butylbenzene	25.0	23.7	25.5	94.9	102	73.0-125			7.13	20
sec-Butylbenzene	25.0	25.3	27.0	101	108	75.0-125			6.79	20
tert-Butylbenzene	25.0	26.3	28.1	105	112	76.0-124			6.49	20
Carbon disulfide	25.0	24.5	24.4	97.9	97.6	61.0-128			0.253	20
Carbon tetrachloride	25.0	25.6	25.9	102	104	68.0-126			1.45	20
Chlorobenzene	25.0	25.0	25.9	99.9	104	80.0-121			3.64	20
Chlorodibromomethane	25.0	25.8	26.1	103	104	77.0-125			1.03	20
Chloroethane	25.0	24.5	25.4	98.0	101	47.0-150			3.39	20
Chloroform	25.0	26.1	26.1	104	104	73.0-120			0.150	20
Chloromethane	25.0	22.0	21.9	88.2	87.6	41.0-142			0.712	20
2-Chlorotoluene	25.0	26.6	28.5	106	114	76.0-123			7.00	20
4-Chlorotoluene	25.0	27.0	28.8	108	115	75.0-122			6.17	20
1,2-Dibromo-3-Chloropropane	25.0	24.8	26.7	99.3	107	58.0-134			7.18	20
1,2-Dibromoethane	25.0	26.6	27.2	106	109	80.0-122			2.29	20
Dibromomethane	25.0	26.0	26.2	104	105	80.0-120			0.656	20
1,2-Dichlorobenzene	25.0	23.4	25.0	93.5	100	79.0-121			6.88	20
1,3-Dichlorobenzene	25.0	23.9	25.7	95.4	103	79.0-120			7.39	20
1,4-Dichlorobenzene	25.0	24.2	25.5	96.6	102	79.0-120			5.44	20
Dichlorodifluoromethane	25.0	28.1	28.3	112	113	51.0-149			0.863	20
1,1-Dichloroethane	25.0	25.3	25.1	101	100	70.0-126			0.790	20
1,2-Dichloroethane	25.0	26.6	26.8	106	107	70.0-128			0.638	20
1,1-Dichloroethene	25.0	25.4	25.1	102	101	71.0-124			0.972	20
cis-1,2-Dichloroethene	25.0	25.3	25.0	101	100	73.0-120			1.32	20
trans-1,2-Dichloroethene	25.0	25.8	25.6	103	102	73.0-120			0.827	20
1,2-Dichloropropane	25.0	26.0	26.0	104	104	77.0-125			0.105	20
1,1-Dichloropropene	25.0	26.1	26.0	104	104	74.0-126			0.215	20
1,3-Dichloropropane	25.0	26.8	27.4	107	110	80.0-120			2.26	20
cis-1,3-Dichloropropene	25.0	26.6	26.6	107	107	80.0-123			0.0133	20
trans-1,3-Dichloropropene	25.0	26.1	26.5	104	106	78.0-124			1.32	20
trans-1,4-Dichloro-2-butene	25.0	15.0	17.3	59.8	69.4	33.0-144			14.8	20
2,2-Dichloropropane	25.0	23.9	24.1	95.7	96.3	58.0-130			0.590	20
Di-isopropyl ether	25.0	26.6	26.6	106	106	58.0-138			0.174	20

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

(LCS) R3453205-1 09/21/19 05:56 • (LCSD) R3453205-2 09/21/19 06:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	25.0	25.5	25.5	102	102	79.0-123			0.173	20
Hexachloro-1,3-butadiene	25.0	19.7	23.2	78.7	92.6	54.0-138			16.3	20
2-Hexanone	125	141	142	113	114	67.0-149			0.654	20
n-Hexane	25.0	23.6	22.5	94.4	90.1	57.0-133			4.68	20
Iodomethane	125	125	126	100	100	33.0-147			0.210	26
Isopropylbenzene	25.0	25.8	26.3	103	105	76.0-127			1.95	20
p-Isopropyltoluene	25.0	24.9	27.1	99.6	108	76.0-125			8.31	20
2-Butanone (MEK)	125	159	157	127	126	44.0-160			1.41	20
Methylene Chloride	25.0	25.2	25.1	101	100	67.0-120			0.376	20
4-Methyl-2-pentanone (MIBK)	125	141	144	113	115	68.0-142			1.48	20
Methyl tert-butyl ether	25.0	28.1	28.5	113	114	68.0-125			1.15	20
Naphthalene	25.0	21.5	23.9	86.0	95.7	54.0-135			10.7	20
n-Propylbenzene	25.0	27.4	28.8	110	115	77.0-124			5.07	20
Styrene	25.0	26.3	26.6	105	106	73.0-130			0.884	20
1,1,1,2-Tetrachloroethane	25.0	25.4	26.0	101	104	75.0-125			2.67	20
1,1,2,2-Tetrachloroethane	25.0	27.7	29.4	111	118	65.0-130			5.87	20
1,1,2-Trichlorotrifluoroethane	25.0	25.8	25.8	103	103	69.0-132			0.237	20
Tetrachloroethene	25.0	24.6	24.5	98.3	97.9	72.0-132			0.367	20
Toluene	25.0	24.6	24.9	98.6	99.6	79.0-120			1.02	20
1,2,3-Trichlorobenzene	25.0	21.6	23.8	86.6	95.1	50.0-138			9.35	20
1,2,4-Trichlorobenzene	25.0	22.3	24.4	89.3	97.6	57.0-137			8.93	20
1,1,1-Trichloroethane	25.0	26.6	26.3	106	105	73.0-124			1.00	20
1,1,2-Trichloroethane	25.0	27.0	27.5	108	110	80.0-120			1.97	20
Trichloroethene	25.0	26.7	27.0	107	108	78.0-124			1.18	20
Trichlorofluoromethane	25.0	26.8	26.4	107	106	59.0-147			1.60	20
1,2,3-Trichloropropane	25.0	31.0	33.4	124	134	73.0-130		J4	7.53	20
1,2,4-Trimethylbenzene	25.0	26.6	28.2	106	113	76.0-121			5.92	20
1,2,3-Trimethylbenzene	25.0	25.2	27.2	101	109	77.0-120			7.68	20
1,3,5-Trimethylbenzene	25.0	26.9	28.9	108	116	76.0-122			7.17	20
Vinyl acetate	125	94.6	86.8	75.7	69.5	11.0-160			8.54	20
Vinyl chloride	25.0	25.2	24.9	101	99.7	67.0-131			1.07	20
Xylenes, Total	75.0	76.8	78.0	102	104	79.0-123			1.55	20
(S) Toluene-d8				*102*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.6*	*95.8*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*103*	*109*	*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.
ND	Not detected at the Reporting Limit (or MDL where applicable).
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.
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

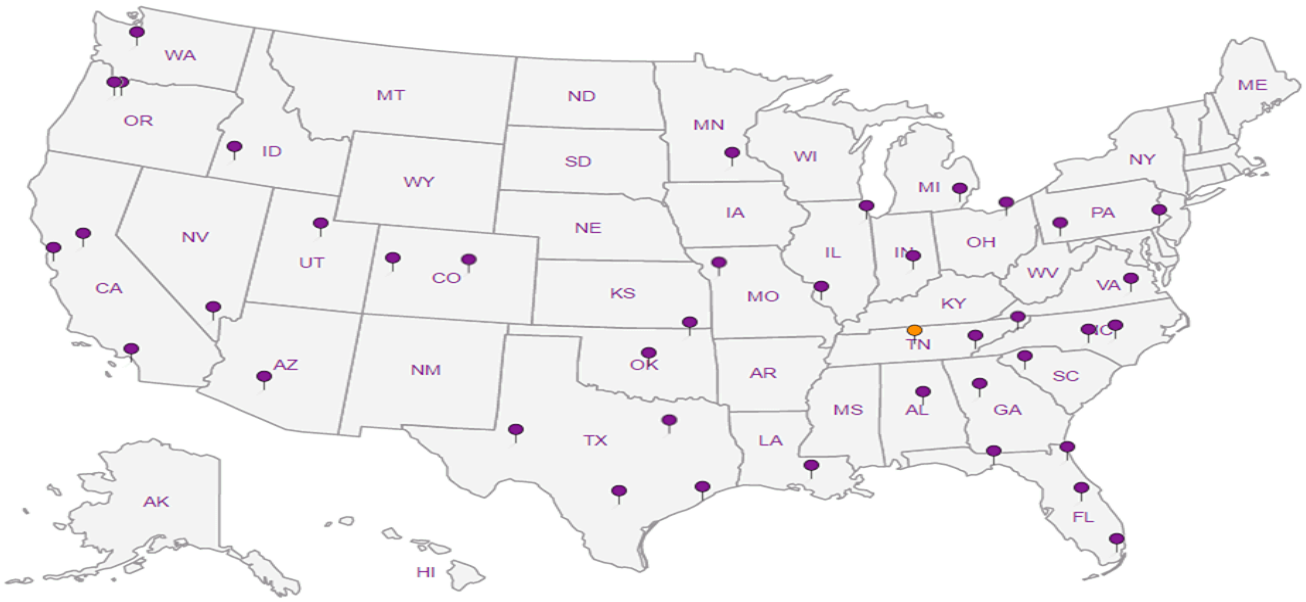
Third Party Federal Accreditations

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:

Please Circle: PT MT CT ET

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

Client Project # 1413.001.02.501

Lab Project # PESENVSWA-ALP

Collected by (print): H W SMALL

Site/Facility ID # 700 DEXTER AVE N.

P.O. #

Collected by (signature): H W Small

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	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-329-5	GRAB	SS	5	9/12/19	1020	2	X	X		-01
MW-329-10		SS	10		1024	2	X	X		-02
MW-329-15		SS	15		1027	2	X	X		-03
MW-329-20		SS	20		1030	2	X	X		-04
MW-329-25		SS	25		1050	2	X	X		-05
MW-329-30		SS	30		1055	2	X	X		-06
MW-329-35		SS	35		1105	2	X	X		-07
MW-329-40		SS	40		1110	2	X	X		-08
MW-329-45		SS	45		1115	2	X	X		-09
MW-329-50		SS	50		11125	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 #

Relinquished by : (Signature) H W Small — Date: 9/13/19 — Time: 1400 — Received by: (Signature)

Relinquished by : (Signature) — Date: 9/13/19 — Time: 1500 — Received by: (Signature)

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 4.2°C 3.1-1=3.0 — Bottles Received: 43

Date: 09-14 — Time: 8:15

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

Chain of Custody Page 1 of 3

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

SDG # L1139523
A173

Acctnum: PESENVSWA
Template: T154694
Prelogin: P725383
PM: 110 - Brian Ford
PB: 8/21/19 MB
Shipped Via: FedEx Ground

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
Fax: 206-529-3985

Client Project # 1413.001.02.501

Lab Project # PESENVSWA-ALP

Collected by (print): HW SMALL

Site/Facility ID # 700 DEXTER AVE N.

P.O. #

Collected by (signature): HW Small
Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

Pace Analytical® National Center for Testing & Innovation

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

SDG # L1139523

Table #

Acctnum: PESENVSWA
Template: T154694
Prelogin: P725383
PM: 110 - Brian Ford
PB: 8/21/19 mj

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-329-55	GRAB	SS	55	9/12/19	1130	2	X	X		-11
MW-329-60		SS	60		1135	2	X	X		-12
MW-329-65		SS	65		1145	2	X	X		-13
MW-329-70		SS	70		1150	2	X	X		-14
MW-329-75		SS	75		1155	2	X	X		-15
MW-329-80		SS	80		1345 BF	2	X	X		-16
MW-329-85		SS	85		1350	2	X	X		-17
MW-329-90		SS	90		1420	2	X	X		-18
MW-329-95		SS	95		1425	2	X	X		-19
MW-329-100		SS	100		1430	2	X	X		-20

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

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

Relinquished by: (Signature) HW Small	Date: 9/13/19	Time: 1400	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by: (Signature)	Date: 9/13/19	Time: 1500	Received by: (Signature)	Temp: A2 °C 3.1-1=3.0	Bottles Received: 43
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 09-14	Time: 8145

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 3 of 3

Pace Analytical® National Center for Testing & Innovation

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

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
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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
Fax: 206-529-3985

Client Project # 1413.001.02.501

Lab Project # PESENVSWA-ALP

Collected by (print): H.W. Small

Site/Facility ID # 700 DEXTER AVE N.

P.O. #

Collected by (signature): H.W. Small

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

SDG # L1139523

Table #

Acctnum: PESENVSWA
Template: T154694
Prelogin: P725383
PM: 110 - Brian Ford
PB: 8/21/19 MB
Shipped Via: FedEx Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-329-105	GRAB	SS	105	9/12/19	1435	2	X	X		-21
MW-329-110	"	SS	110	"	1440	2	X	X		-22
MW-2003-50	"	SS	50	"	—	2	X	X		-23
TB091319	—	SS	—	9/13/19	—	1	X			
		SS								
		SS								
		SS								
		SS								
		SS								
		SS								

* 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) H.W. Small	9/13/19	1400
Relinquished by : (Signature)	9/13/19	1500
Relinquished by : (Signature)	Date:	Time:

Received by: (Signature)

Received by: (Signature)

Received for lab by: (Signature) ISA

Trip Blank Received: Yes / No HCL / MeoH TBR

Temp: 4.0 °C 3.1 - 3.0 Bottles Received: 43

Date: 08-14 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Troy Dunlap

Login #: L1139523	Client: PESENVSWA	Date: 9/14/19	Evaluated by: Brock Fariss

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time	2	Login Clarification Needed		**If Broken Container:**
	Temperature not in range		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	pH not in range.		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Couri
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
1	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments:

1. **ID 'MW-329-110' was received with its stir bar broken**
2. **Did not receive ID 'MW-329-80'**

Client informed by:		Call		Email x		Voice Mail		Date:09/16/19	Time:1300
TSR Initials:bjf	Client Contact: Kim Vik								

Login Instructions:

1. Proceed with remaining sample volume.
2. Proceed without **MW-329-80**

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

September 27, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1141285
Samples Received:	09/19/2019
Project Number:	1413.001.02.501
Description:	American Linen
Site:	700 DEXTER AVE N
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Project Manager

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

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MW-328-5 L1141285-01 Solid

Collected by: HW Small | Collected date/time: 09/16/19 11:00 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351913	1	09/25/19 15:27	09/25/19 15:37	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350957	1	09/16/19 11:00	09/24/19 14:39	ACG	Mt. Juliet, TN

MW-328-10 L1141285-02 Solid

Collected by: HW Small | Collected date/time: 09/16/19 11:05 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351913	1	09/25/19 15:27	09/25/19 15:37	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350957	1	09/16/19 11:05	09/24/19 14:59	ACG	Mt. Juliet, TN

MW-328-15 L1141285-03 Solid

Collected by: HW Small | Collected date/time: 09/16/19 11:10 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351913	1	09/25/19 15:27	09/25/19 15:37	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350957	1	09/16/19 11:10	09/24/19 15:19	ACG	Mt. Juliet, TN

MW-328-20 L1141285-04 Solid

Collected by: HW Small | Collected date/time: 09/16/19 11:15 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351913	1	09/25/19 15:27	09/25/19 15:37	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350957	1	09/16/19 11:15	09/24/19 15:40	ACG	Mt. Juliet, TN

MW-328-30 L1141285-05 Solid

Collected by: HW Small | Collected date/time: 09/16/19 11:25 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351913	1	09/25/19 15:27	09/25/19 15:37	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350957	18.52	09/16/19 11:25	09/24/19 16:00	ACG	Mt. Juliet, TN

MW-328-35 L1141285-06 Solid

Collected by: HW Small | Collected date/time: 09/16/19 11:30 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351913	1	09/25/19 15:27	09/25/19 15:37	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350957	1.06	09/16/19 11:30	09/24/19 16:20	ACG	Mt. Juliet, TN

MW-328-40 L1141285-07 Solid

Collected by: HW Small | Collected date/time: 09/16/19 11:35 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351913	1	09/25/19 15:27	09/25/19 15:37	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350957	1	09/16/19 11:35	09/24/19 16:41	ACG	Mt. Juliet, TN

MW-328-45 L1141285-08 Solid

Collected by: HW Small | Collected date/time: 09/16/19 11:45 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351913	1	09/25/19 15:27	09/25/19 15:37	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350957	1	09/16/19 11:45	09/24/19 17:01	ACG	Mt. Juliet, TN

MW-328-50 L1141285-09 Solid

Collected by: HW Small | Collected date/time: 09/16/19 11:50 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351913	1	09/25/19 15:27	09/25/19 15:37	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350809	29.41	09/16/19 11:50	09/24/19 05:31	ACG	Mt. Juliet, TN

MW-328-55 L1141285-10 Solid

Collected by: HW Small | Collected date/time: 09/16/19 11:55 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351915	1	09/25/19 16:16	09/25/19 16:26	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350809	1	09/16/19 11:55	09/24/19 05:51	ACG	Mt. Juliet, TN

MW-328-60 L1141285-11 Solid

Collected by: HW Small | Collected date/time: 09/16/19 12:10 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351915	1	09/25/19 16:16	09/25/19 16:26	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350809	1	09/16/19 12:10	09/24/19 06:11	ACG	Mt. Juliet, TN

MW-328-65 L1141285-12 Solid

Collected by: HW Small | Collected date/time: 09/16/19 12:15 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351915	1	09/25/19 16:16	09/25/19 16:26	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350809	1	09/16/19 12:15	09/24/19 06:32	ACG	Mt. Juliet, TN

MW-328-70 L1141285-13 Solid

Collected by: HW Small | Collected date/time: 09/16/19 12:20 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351915	1	09/25/19 16:16	09/25/19 16:26	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350809	1	09/16/19 12:20	09/24/19 06:52	ACG	Mt. Juliet, TN

MW-328-75 L1141285-14 Solid

Collected by: HW Small | Collected date/time: 09/16/19 12:25 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351915	1	09/25/19 16:16	09/25/19 16:26	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350809	1	09/16/19 12:25	09/24/19 07:13	ACG	Mt. Juliet, TN

MW-328-80 L1141285-15 Solid

Collected by: HW Small
Collected date/time: 09/16/19 12:30
Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351915	1	09/25/19 16:16	09/25/19 16:26	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350958	1	09/16/19 12:30	09/24/19 13:58	ACG	Mt. Juliet, TN

TB-091619 L1141285-16 GW

Collected by: HW Small
Collected date/time: 09/16/19 00:00
Received date/time: 09/19/19 08:45

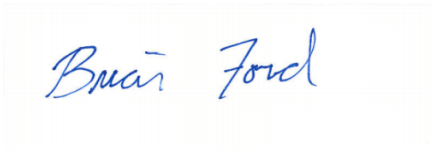
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1351851	1	09/25/19 13:13	09/25/19 13:13	ACG	Mt. Juliet, TN

MW-329-80 L1141285-17 Solid

Collected by: HW Small
Collected date/time: 09/12/19 13:45
Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351915	1	09/25/19 16:16	09/25/19 16:26	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350958	1	09/12/19 13:45	09/24/19 14:18	ACG	Mt. Juliet, TN

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



Brian Ford
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.1		1	09/25/2019 15:37	WG1351913

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0551		0.0163	0.0297	1	09/24/2019 14:39	WG1350957
Acrylonitrile	U	J0	0.00226	0.0149	1	09/24/2019 14:39	WG1350957
Benzene	U		0.000476	0.00119	1	09/24/2019 14:39	WG1350957
Bromobenzene	U		0.00125	0.0149	1	09/24/2019 14:39	WG1350957
Bromodichloromethane	U		0.000937	0.00297	1	09/24/2019 14:39	WG1350957
Bromochloromethane	U		0.00134	0.00594	1	09/24/2019 14:39	WG1350957
Bromoform	U		0.00711	0.0297	1	09/24/2019 14:39	WG1350957
Bromomethane	U		0.00440	0.0149	1	09/24/2019 14:39	WG1350957
n-Butylbenzene	U		0.00457	0.0149	1	09/24/2019 14:39	WG1350957
sec-Butylbenzene	U		0.00301	0.0149	1	09/24/2019 14:39	WG1350957
tert-Butylbenzene	U		0.00184	0.00594	1	09/24/2019 14:39	WG1350957
Carbon disulfide	U		0.00483	0.0149	1	09/24/2019 14:39	WG1350957
Carbon tetrachloride	U		0.00128	0.00594	1	09/24/2019 14:39	WG1350957
Chlorobenzene	U		0.000681	0.00297	1	09/24/2019 14:39	WG1350957
Chlorodibromomethane	U		0.000535	0.00297	1	09/24/2019 14:39	WG1350957
Chloroethane	U		0.00128	0.00594	1	09/24/2019 14:39	WG1350957
Chloroform	U		0.000493	0.00297	1	09/24/2019 14:39	WG1350957
Chloromethane	U		0.00165	0.0149	1	09/24/2019 14:39	WG1350957
2-Chlorotoluene	U		0.00109	0.00297	1	09/24/2019 14:39	WG1350957
4-Chlorotoluene	U		0.00134	0.00594	1	09/24/2019 14:39	WG1350957
1,2-Dibromo-3-Chloropropane	U	J0	0.00606	0.0297	1	09/24/2019 14:39	WG1350957
1,2-Dibromoethane	U		0.000624	0.00297	1	09/24/2019 14:39	WG1350957
Dibromomethane	U		0.00119	0.00594	1	09/24/2019 14:39	WG1350957
1,2-Dichlorobenzene	U		0.00172	0.00594	1	09/24/2019 14:39	WG1350957
1,3-Dichlorobenzene	U		0.00202	0.00594	1	09/24/2019 14:39	WG1350957
1,4-Dichlorobenzene	U		0.00234	0.00594	1	09/24/2019 14:39	WG1350957
Dichlorodifluoromethane	U		0.000972	0.00297	1	09/24/2019 14:39	WG1350957
1,1-Dichloroethane	U		0.000684	0.00297	1	09/24/2019 14:39	WG1350957
1,2-Dichloroethane	U		0.000565	0.00297	1	09/24/2019 14:39	WG1350957
1,1-Dichloroethene	U		0.000594	0.00297	1	09/24/2019 14:39	WG1350957
cis-1,2-Dichloroethene	U		0.000820	0.00297	1	09/24/2019 14:39	WG1350957
trans-1,2-Dichloroethene	U		0.00170	0.00594	1	09/24/2019 14:39	WG1350957
1,2-Dichloropropane	U		0.00151	0.00594	1	09/24/2019 14:39	WG1350957
1,1-Dichloropropene	U		0.000832	0.00297	1	09/24/2019 14:39	WG1350957
1,3-Dichloropropane	U		0.00208	0.00594	1	09/24/2019 14:39	WG1350957
cis-1,3-Dichloropropene	U		0.000806	0.00297	1	09/24/2019 14:39	WG1350957
trans-1,3-Dichloropropene	U		0.00182	0.00594	1	09/24/2019 14:39	WG1350957
trans-1,4-Dichloro-2-butene	U		0.00166	0.00594	1	09/24/2019 14:39	WG1350957
2,2-Dichloropropane	U		0.000943	0.00297	1	09/24/2019 14:39	WG1350957
Di-isopropyl ether	U		0.000416	0.00119	1	09/24/2019 14:39	WG1350957
Ethylbenzene	0.000952	J	0.000630	0.00297	1	09/24/2019 14:39	WG1350957
Hexachloro-1,3-butadiene	U		0.0151	0.0297	1	09/24/2019 14:39	WG1350957
2-Hexanone	U	J0	0.0119	0.0297	1	09/24/2019 14:39	WG1350957
n-Hexane	U	J0	0.00126	0.00594	1	09/24/2019 14:39	WG1350957
Iodomethane	U		0.00719	0.0149	1	09/24/2019 14:39	WG1350957
Isopropylbenzene	U		0.00103	0.00297	1	09/24/2019 14:39	WG1350957
p-Isopropyltoluene	U		0.00277	0.00594	1	09/24/2019 14:39	WG1350957
2-Butanone (MEK)	U		0.0149	0.0297	1	09/24/2019 14:39	WG1350957
Methylene Chloride	U		0.00789	0.0297	1	09/24/2019 14:39	WG1350957
4-Methyl-2-pentanone (MIBK)	U		0.0119	0.0297	1	09/24/2019 14:39	WG1350957

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000351	0.00119	1	09/24/2019 14:39	WG1350957
Naphthalene	U		0.00371	0.0149	1	09/24/2019 14:39	WG1350957
n-Propylbenzene	U		0.00140	0.00594	1	09/24/2019 14:39	WG1350957
Styrene	U		0.00325	0.0149	1	09/24/2019 14:39	WG1350957
1,1,1,2-Tetrachloroethane	U		0.000594	0.00297	1	09/24/2019 14:39	WG1350957
1,1,2,2-Tetrachloroethane	U	J0 J4	0.000464	0.00297	1	09/24/2019 14:39	WG1350957
1,1,2-Trichlorotrifluoroethane	U		0.000802	0.00297	1	09/24/2019 14:39	WG1350957
Tetrachloroethene	U		0.000832	0.00297	1	09/24/2019 14:39	WG1350957
Toluene	0.0262		0.00149	0.00594	1	09/24/2019 14:39	WG1350957
1,2,3-Trichlorobenzene	U		0.000743	0.00297	1	09/24/2019 14:39	WG1350957
1,2,4-Trichlorobenzene	U		0.00573	0.0149	1	09/24/2019 14:39	WG1350957
1,1,1-Trichloroethane	U		0.000327	0.00297	1	09/24/2019 14:39	WG1350957
1,1,2-Trichloroethane	U		0.00105	0.00297	1	09/24/2019 14:39	WG1350957
Trichloroethene	U		0.000476	0.00119	1	09/24/2019 14:39	WG1350957
Trichlorofluoromethane	U		0.000594	0.00297	1	09/24/2019 14:39	WG1350957
1,2,3-Trichloropropane	U		0.00606	0.0149	1	09/24/2019 14:39	WG1350957
1,2,4-Trimethylbenzene	U		0.00138	0.00594	1	09/24/2019 14:39	WG1350957
1,2,3-Trimethylbenzene	U		0.00137	0.00594	1	09/24/2019 14:39	WG1350957
1,3,5-Trimethylbenzene	U		0.00128	0.00594	1	09/24/2019 14:39	WG1350957
Vinyl acetate	U	J0	0.00418	0.0149	1	09/24/2019 14:39	WG1350957
Vinyl chloride	U		0.000812	0.00297	1	09/24/2019 14:39	WG1350957
Xylenes, Total	U		0.00568	0.00773	1	09/24/2019 14:39	WG1350957
(S) Toluene-d8	*110*			*75.0-131*		*09/24/2019 14:39*	WG1350957
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/24/2019 14:39*	WG1350957
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/24/2019 14:39*	WG1350957

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.8		1	09/25/2019 15:37	WG1351913

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0559		0.0188	0.0344	1	09/24/2019 14:59	WG1350957
Acrylonitrile	U	J0	0.00261	0.0172	1	09/24/2019 14:59	WG1350957
Benzene	U		0.000550	0.00137	1	09/24/2019 14:59	WG1350957
Bromobenzene	U		0.00144	0.0172	1	09/24/2019 14:59	WG1350957
Bromodichloromethane	U		0.00108	0.00344	1	09/24/2019 14:59	WG1350957
Bromochloromethane	U		0.00155	0.00687	1	09/24/2019 14:59	WG1350957
Bromoform	U		0.00822	0.0344	1	09/24/2019 14:59	WG1350957
Bromomethane	U		0.00509	0.0172	1	09/24/2019 14:59	WG1350957
n-Butylbenzene	U		0.00528	0.0172	1	09/24/2019 14:59	WG1350957
sec-Butylbenzene	U		0.00348	0.0172	1	09/24/2019 14:59	WG1350957
tert-Butylbenzene	U		0.00213	0.00687	1	09/24/2019 14:59	WG1350957
Carbon disulfide	U		0.00558	0.0172	1	09/24/2019 14:59	WG1350957
Carbon tetrachloride	U		0.00148	0.00687	1	09/24/2019 14:59	WG1350957
Chlorobenzene	U		0.000788	0.00344	1	09/24/2019 14:59	WG1350957
Chlorodibromomethane	U		0.000618	0.00344	1	09/24/2019 14:59	WG1350957
Chloroethane	U		0.00148	0.00687	1	09/24/2019 14:59	WG1350957
Chloroform	U		0.000570	0.00344	1	09/24/2019 14:59	WG1350957
Chloromethane	U		0.00191	0.0172	1	09/24/2019 14:59	WG1350957
2-Chlorotoluene	U		0.00126	0.00344	1	09/24/2019 14:59	WG1350957
4-Chlorotoluene	U		0.00155	0.00687	1	09/24/2019 14:59	WG1350957
1,2-Dibromo-3-Chloropropane	U	J0	0.00701	0.0344	1	09/24/2019 14:59	WG1350957
1,2-Dibromoethane	U		0.000722	0.00344	1	09/24/2019 14:59	WG1350957
Dibromomethane	U		0.00137	0.00687	1	09/24/2019 14:59	WG1350957
1,2-Dichlorobenzene	U		0.00199	0.00687	1	09/24/2019 14:59	WG1350957
1,3-Dichlorobenzene	U		0.00234	0.00687	1	09/24/2019 14:59	WG1350957
1,4-Dichlorobenzene	U		0.00271	0.00687	1	09/24/2019 14:59	WG1350957
Dichlorodifluoromethane	U		0.00112	0.00344	1	09/24/2019 14:59	WG1350957
1,1-Dichloroethane	U		0.000790	0.00344	1	09/24/2019 14:59	WG1350957
1,2-Dichloroethane	U		0.000653	0.00344	1	09/24/2019 14:59	WG1350957
1,1-Dichloroethene	U		0.000687	0.00344	1	09/24/2019 14:59	WG1350957
cis-1,2-Dichloroethene	U		0.000948	0.00344	1	09/24/2019 14:59	WG1350957
trans-1,2-Dichloroethene	U		0.00197	0.00687	1	09/24/2019 14:59	WG1350957
1,2-Dichloropropane	U		0.00175	0.00687	1	09/24/2019 14:59	WG1350957
1,1-Dichloropropene	U		0.000962	0.00344	1	09/24/2019 14:59	WG1350957
1,3-Dichloropropane	U		0.00241	0.00687	1	09/24/2019 14:59	WG1350957
cis-1,3-Dichloropropene	U		0.000932	0.00344	1	09/24/2019 14:59	WG1350957
trans-1,3-Dichloropropene	U		0.00210	0.00687	1	09/24/2019 14:59	WG1350957
trans-1,4-Dichloro-2-butene	U		0.00192	0.00687	1	09/24/2019 14:59	WG1350957
2,2-Dichloropropane	U		0.00109	0.00344	1	09/24/2019 14:59	WG1350957
Di-isopropyl ether	U		0.000481	0.00137	1	09/24/2019 14:59	WG1350957
Ethylbenzene	U		0.000728	0.00344	1	09/24/2019 14:59	WG1350957
Hexachloro-1,3-butadiene	U		0.0175	0.0344	1	09/24/2019 14:59	WG1350957
2-Hexanone	U	J0	0.0137	0.0344	1	09/24/2019 14:59	WG1350957
n-Hexane	U	J0	0.00146	0.00687	1	09/24/2019 14:59	WG1350957
Iodomethane	U		0.00832	0.0172	1	09/24/2019 14:59	WG1350957
Isopropylbenzene	U		0.00119	0.00344	1	09/24/2019 14:59	WG1350957
p-Isopropyltoluene	U		0.00320	0.00687	1	09/24/2019 14:59	WG1350957
2-Butanone (MEK)	0.0178	J	0.0172	0.0344	1	09/24/2019 14:59	WG1350957
Methylene Chloride	U		0.00913	0.0344	1	09/24/2019 14:59	WG1350957
4-Methyl-2-pentanone (MIBK)	U		0.0137	0.0344	1	09/24/2019 14:59	WG1350957

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000405	0.00137	1	09/24/2019 14:59	WG1350957
Naphthalene	U		0.00429	0.0172	1	09/24/2019 14:59	WG1350957
n-Propylbenzene	U		0.00162	0.00687	1	09/24/2019 14:59	WG1350957
Styrene	U		0.00375	0.0172	1	09/24/2019 14:59	WG1350957
1,1,1,2-Tetrachloroethane	U		0.000687	0.00344	1	09/24/2019 14:59	WG1350957
1,1,2,2-Tetrachloroethane	U	J0 J4	0.000536	0.00344	1	09/24/2019 14:59	WG1350957
1,1,2-Trichlorotrifluoroethane	U		0.000928	0.00344	1	09/24/2019 14:59	WG1350957
Tetrachloroethene	U		0.000962	0.00344	1	09/24/2019 14:59	WG1350957
Toluene	0.00851		0.00172	0.00687	1	09/24/2019 14:59	WG1350957
1,2,3-Trichlorobenzene	U		0.000859	0.00344	1	09/24/2019 14:59	WG1350957
1,2,4-Trichlorobenzene	U		0.00662	0.0172	1	09/24/2019 14:59	WG1350957
1,1,1-Trichloroethane	U		0.000378	0.00344	1	09/24/2019 14:59	WG1350957
1,1,2-Trichloroethane	U		0.00121	0.00344	1	09/24/2019 14:59	WG1350957
Trichloroethene	U		0.000550	0.00137	1	09/24/2019 14:59	WG1350957
Trichlorofluoromethane	U		0.000687	0.00344	1	09/24/2019 14:59	WG1350957
1,2,3-Trichloropropane	U		0.00701	0.0172	1	09/24/2019 14:59	WG1350957
1,2,4-Trimethylbenzene	U		0.00159	0.00687	1	09/24/2019 14:59	WG1350957
1,2,3-Trimethylbenzene	U		0.00158	0.00687	1	09/24/2019 14:59	WG1350957
1,3,5-Trimethylbenzene	U		0.00148	0.00687	1	09/24/2019 14:59	WG1350957
Vinyl acetate	U	J0	0.00484	0.0172	1	09/24/2019 14:59	WG1350957
Vinyl chloride	U		0.000939	0.00344	1	09/24/2019 14:59	WG1350957
Xylenes, Total	U		0.00657	0.00893	1	09/24/2019 14:59	WG1350957
(S) Toluene-d8	*111*			*75.0-131*		*09/24/2019 14:59*	WG1350957
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/24/2019 14:59*	WG1350957
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/24/2019 14:59*	WG1350957

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.5		1	09/25/2019 15:37	WG1351913

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0297	J	0.0168	0.0307	1	09/24/2019 15:19	WG1350957
Acrylonitrile	U	J0	0.00233	0.0153	1	09/24/2019 15:19	WG1350957
Benzene	U		0.000491	0.00123	1	09/24/2019 15:19	WG1350957
Bromobenzene	U		0.00129	0.0153	1	09/24/2019 15:19	WG1350957
Bromodichloromethane	U		0.000967	0.00307	1	09/24/2019 15:19	WG1350957
Bromochloromethane	U		0.00139	0.00614	1	09/24/2019 15:19	WG1350957
Bromoform	U		0.00734	0.0307	1	09/24/2019 15:19	WG1350957
Bromomethane	U		0.00454	0.0153	1	09/24/2019 15:19	WG1350957
n-Butylbenzene	U		0.00471	0.0153	1	09/24/2019 15:19	WG1350957
sec-Butylbenzene	U		0.00311	0.0153	1	09/24/2019 15:19	WG1350957
tert-Butylbenzene	U		0.00190	0.00614	1	09/24/2019 15:19	WG1350957
Carbon disulfide	U		0.00498	0.0153	1	09/24/2019 15:19	WG1350957
Carbon tetrachloride	U		0.00133	0.00614	1	09/24/2019 15:19	WG1350957
Chlorobenzene	U		0.000703	0.00307	1	09/24/2019 15:19	WG1350957
Chlorodibromomethane	U		0.000552	0.00307	1	09/24/2019 15:19	WG1350957
Chloroethane	U		0.00133	0.00614	1	09/24/2019 15:19	WG1350957
Chloroform	U		0.000509	0.00307	1	09/24/2019 15:19	WG1350957
Chloromethane	U		0.00171	0.0153	1	09/24/2019 15:19	WG1350957
2-Chlorotoluene	U		0.00113	0.00307	1	09/24/2019 15:19	WG1350957
4-Chlorotoluene	U		0.00139	0.00614	1	09/24/2019 15:19	WG1350957
1,2-Dibromo-3-Chloropropane	U	J0	0.00626	0.0307	1	09/24/2019 15:19	WG1350957
1,2-Dibromoethane	U		0.000644	0.00307	1	09/24/2019 15:19	WG1350957
Dibromomethane	U		0.00123	0.00614	1	09/24/2019 15:19	WG1350957
1,2-Dichlorobenzene	U		0.00178	0.00614	1	09/24/2019 15:19	WG1350957
1,3-Dichlorobenzene	U		0.00209	0.00614	1	09/24/2019 15:19	WG1350957
1,4-Dichlorobenzene	U		0.00242	0.00614	1	09/24/2019 15:19	WG1350957
Dichlorodifluoromethane	U		0.00100	0.00307	1	09/24/2019 15:19	WG1350957
1,1-Dichloroethane	U		0.000706	0.00307	1	09/24/2019 15:19	WG1350957
1,2-Dichloroethane	U		0.000583	0.00307	1	09/24/2019 15:19	WG1350957
1,1-Dichloroethene	U		0.000614	0.00307	1	09/24/2019 15:19	WG1350957
cis-1,2-Dichloroethene	U		0.000847	0.00307	1	09/24/2019 15:19	WG1350957
trans-1,2-Dichloroethene	U		0.00176	0.00614	1	09/24/2019 15:19	WG1350957
1,2-Dichloropropane	U		0.00156	0.00614	1	09/24/2019 15:19	WG1350957
1,1-Dichloropropene	U		0.000859	0.00307	1	09/24/2019 15:19	WG1350957
1,3-Dichloropropane	U		0.00215	0.00614	1	09/24/2019 15:19	WG1350957
cis-1,3-Dichloropropene	U		0.000832	0.00307	1	09/24/2019 15:19	WG1350957
trans-1,3-Dichloropropene	U		0.00188	0.00614	1	09/24/2019 15:19	WG1350957
trans-1,4-Dichloro-2-butene	U		0.00172	0.00614	1	09/24/2019 15:19	WG1350957
2,2-Dichloropropane	U		0.000973	0.00307	1	09/24/2019 15:19	WG1350957
Di-isopropyl ether	U		0.000430	0.00123	1	09/24/2019 15:19	WG1350957
Ethylbenzene	U		0.000651	0.00307	1	09/24/2019 15:19	WG1350957
Hexachloro-1,3-butadiene	U		0.0156	0.0307	1	09/24/2019 15:19	WG1350957
2-Hexanone	U	J0	0.0123	0.0307	1	09/24/2019 15:19	WG1350957
n-Hexane	U	J0	0.00130	0.00614	1	09/24/2019 15:19	WG1350957
Iodomethane	U		0.00743	0.0153	1	09/24/2019 15:19	WG1350957
Isopropylbenzene	U		0.00106	0.00307	1	09/24/2019 15:19	WG1350957
p-Isopropyltoluene	U		0.00286	0.00614	1	09/24/2019 15:19	WG1350957
2-Butanone (MEK)	U		0.0153	0.0307	1	09/24/2019 15:19	WG1350957
Methylene Chloride	U		0.00815	0.0307	1	09/24/2019 15:19	WG1350957
4-Methyl-2-pentanone (MIBK)	U		0.0123	0.0307	1	09/24/2019 15:19	WG1350957

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000362	0.00123	1	09/24/2019 15:19	WG1350957
Naphthalene	U		0.00383	0.0153	1	09/24/2019 15:19	WG1350957
n-Propylbenzene	U		0.00145	0.00614	1	09/24/2019 15:19	WG1350957
Styrene	U		0.00335	0.0153	1	09/24/2019 15:19	WG1350957
1,1,1,2-Tetrachloroethane	U		0.000614	0.00307	1	09/24/2019 15:19	WG1350957
1,1,2,2-Tetrachloroethane	U	J0 J4	0.000479	0.00307	1	09/24/2019 15:19	WG1350957
1,1,2-Trichlorotrifluoroethane	U		0.000829	0.00307	1	09/24/2019 15:19	WG1350957
Tetrachloroethene	U		0.000859	0.00307	1	09/24/2019 15:19	WG1350957
Toluene	0.00559	J	0.00153	0.00614	1	09/24/2019 15:19	WG1350957
1,2,3-Trichlorobenzene	U		0.000767	0.00307	1	09/24/2019 15:19	WG1350957
1,2,4-Trichlorobenzene	U		0.00592	0.0153	1	09/24/2019 15:19	WG1350957
1,1,1-Trichloroethane	U		0.000338	0.00307	1	09/24/2019 15:19	WG1350957
1,1,2-Trichloroethane	U		0.00108	0.00307	1	09/24/2019 15:19	WG1350957
Trichloroethene	U		0.000491	0.00123	1	09/24/2019 15:19	WG1350957
Trichlorofluoromethane	U		0.000614	0.00307	1	09/24/2019 15:19	WG1350957
1,2,3-Trichloropropane	U		0.00626	0.0153	1	09/24/2019 15:19	WG1350957
1,2,4-Trimethylbenzene	U		0.00142	0.00614	1	09/24/2019 15:19	WG1350957
1,2,3-Trimethylbenzene	U		0.00141	0.00614	1	09/24/2019 15:19	WG1350957
1,3,5-Trimethylbenzene	U		0.00133	0.00614	1	09/24/2019 15:19	WG1350957
Vinyl acetate	U	J0	0.00432	0.0153	1	09/24/2019 15:19	WG1350957
Vinyl chloride	U		0.000838	0.00307	1	09/24/2019 15:19	WG1350957
Xylenes, Total	U		0.00587	0.00798	1	09/24/2019 15:19	WG1350957
(S) Toluene-d8	*113*			*75.0-131*		*09/24/2019 15:19*	WG1350957
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*		*09/24/2019 15:19*	WG1350957
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*09/24/2019 15:19*	WG1350957

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.7		1	09/25/2019 15:37	WG1351913

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0234	J	0.0164	0.0299	1	09/24/2019 15:40	WG1350957
Acrylonitrile	U	J0	0.00227	0.0149	1	09/24/2019 15:40	WG1350957
Benzene	0.000985	J	0.000478	0.00119	1	09/24/2019 15:40	WG1350957
Bromobenzene	U		0.00125	0.0149	1	09/24/2019 15:40	WG1350957
Bromodichloromethane	U		0.000941	0.00299	1	09/24/2019 15:40	WG1350957
Bromochloromethane	U		0.00135	0.00597	1	09/24/2019 15:40	WG1350957
Bromoform	U		0.00714	0.0299	1	09/24/2019 15:40	WG1350957
Bromomethane	U		0.00442	0.0149	1	09/24/2019 15:40	WG1350957
n-Butylbenzene	U		0.00459	0.0149	1	09/24/2019 15:40	WG1350957
sec-Butylbenzene	U		0.00302	0.0149	1	09/24/2019 15:40	WG1350957
tert-Butylbenzene	U		0.00185	0.00597	1	09/24/2019 15:40	WG1350957
Carbon disulfide	U		0.00485	0.0149	1	09/24/2019 15:40	WG1350957
Carbon tetrachloride	U		0.00129	0.00597	1	09/24/2019 15:40	WG1350957
Chlorobenzene	U		0.000684	0.00299	1	09/24/2019 15:40	WG1350957
Chlorodibromomethane	U		0.000537	0.00299	1	09/24/2019 15:40	WG1350957
Chloroethane	U		0.00129	0.00597	1	09/24/2019 15:40	WG1350957
Chloroform	U		0.000496	0.00299	1	09/24/2019 15:40	WG1350957
Chloromethane	U		0.00166	0.0149	1	09/24/2019 15:40	WG1350957
2-Chlorotoluene	U		0.00110	0.00299	1	09/24/2019 15:40	WG1350957
4-Chlorotoluene	U		0.00135	0.00597	1	09/24/2019 15:40	WG1350957
1,2-Dibromo-3-Chloropropane	U	J0	0.00609	0.0299	1	09/24/2019 15:40	WG1350957
1,2-Dibromoethane	U		0.000627	0.00299	1	09/24/2019 15:40	WG1350957
Dibromomethane	U		0.00119	0.00597	1	09/24/2019 15:40	WG1350957
1,2-Dichlorobenzene	U		0.00173	0.00597	1	09/24/2019 15:40	WG1350957
1,3-Dichlorobenzene	U		0.00203	0.00597	1	09/24/2019 15:40	WG1350957
1,4-Dichlorobenzene	U		0.00235	0.00597	1	09/24/2019 15:40	WG1350957
Dichlorodifluoromethane	U		0.000977	0.00299	1	09/24/2019 15:40	WG1350957
1,1-Dichloroethane	U		0.000687	0.00299	1	09/24/2019 15:40	WG1350957
1,2-Dichloroethane	U		0.000567	0.00299	1	09/24/2019 15:40	WG1350957
1,1-Dichloroethene	U		0.000597	0.00299	1	09/24/2019 15:40	WG1350957
cis-1,2-Dichloroethene	0.0304		0.000824	0.00299	1	09/24/2019 15:40	WG1350957
trans-1,2-Dichloroethene	U		0.00171	0.00597	1	09/24/2019 15:40	WG1350957
1,2-Dichloropropane	U		0.00152	0.00597	1	09/24/2019 15:40	WG1350957
1,1-Dichloropropene	U		0.000836	0.00299	1	09/24/2019 15:40	WG1350957
1,3-Dichloropropane	U		0.00209	0.00597	1	09/24/2019 15:40	WG1350957
cis-1,3-Dichloropropene	U		0.000810	0.00299	1	09/24/2019 15:40	WG1350957
trans-1,3-Dichloropropene	U		0.00183	0.00597	1	09/24/2019 15:40	WG1350957
trans-1,4-Dichloro-2-butene	U		0.00167	0.00597	1	09/24/2019 15:40	WG1350957
2,2-Dichloropropane	U		0.000947	0.00299	1	09/24/2019 15:40	WG1350957
Di-isopropyl ether	U		0.000418	0.00119	1	09/24/2019 15:40	WG1350957
Ethylbenzene	U		0.000633	0.00299	1	09/24/2019 15:40	WG1350957
Hexachloro-1,3-butadiene	U		0.0152	0.0299	1	09/24/2019 15:40	WG1350957
2-Hexanone	U	J0	0.0119	0.0299	1	09/24/2019 15:40	WG1350957
n-Hexane	U	J0	0.00127	0.00597	1	09/24/2019 15:40	WG1350957
Iodomethane	U		0.00722	0.0149	1	09/24/2019 15:40	WG1350957
Isopropylbenzene	U		0.00103	0.00299	1	09/24/2019 15:40	WG1350957
p-Isopropyltoluene	0.00631		0.00278	0.00597	1	09/24/2019 15:40	WG1350957
2-Butanone (MEK)	U		0.0149	0.0299	1	09/24/2019 15:40	WG1350957
Methylene Chloride	U		0.00793	0.0299	1	09/24/2019 15:40	WG1350957
4-Methyl-2-pentanone (MIBK)	U		0.0119	0.0299	1	09/24/2019 15:40	WG1350957

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 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000352	0.00119	1	09/24/2019 15:40	WG1350957
Naphthalene	U		0.00373	0.0149	1	09/24/2019 15:40	WG1350957
n-Propylbenzene	U		0.00141	0.00597	1	09/24/2019 15:40	WG1350957
Styrene	U		0.00326	0.0149	1	09/24/2019 15:40	WG1350957
1,1,1,2-Tetrachloroethane	U		0.000597	0.00299	1	09/24/2019 15:40	WG1350957
1,1,2,2-Tetrachloroethane	U	J0 J4	0.000466	0.00299	1	09/24/2019 15:40	WG1350957
1,1,2-Trichlorotrifluoroethane	U		0.000806	0.00299	1	09/24/2019 15:40	WG1350957
Tetrachloroethene	U		0.000836	0.00299	1	09/24/2019 15:40	WG1350957
Toluene	0.0178		0.00149	0.00597	1	09/24/2019 15:40	WG1350957
1,2,3-Trichlorobenzene	U		0.000746	0.00299	1	09/24/2019 15:40	WG1350957
1,2,4-Trichlorobenzene	U		0.00576	0.0149	1	09/24/2019 15:40	WG1350957
1,1,1-Trichloroethane	U		0.000328	0.00299	1	09/24/2019 15:40	WG1350957
1,1,2-Trichloroethane	U		0.00105	0.00299	1	09/24/2019 15:40	WG1350957
Trichloroethene	U		0.000478	0.00119	1	09/24/2019 15:40	WG1350957
Trichlorofluoromethane	U		0.000597	0.00299	1	09/24/2019 15:40	WG1350957
1,2,3-Trichloropropane	U		0.00609	0.0149	1	09/24/2019 15:40	WG1350957
1,2,4-Trimethylbenzene	U		0.00139	0.00597	1	09/24/2019 15:40	WG1350957
1,2,3-Trimethylbenzene	U		0.00137	0.00597	1	09/24/2019 15:40	WG1350957
1,3,5-Trimethylbenzene	U		0.00129	0.00597	1	09/24/2019 15:40	WG1350957
Vinyl acetate	U	J0	0.00420	0.0149	1	09/24/2019 15:40	WG1350957
Vinyl chloride	U		0.000816	0.00299	1	09/24/2019 15:40	WG1350957
Xylenes, Total	U		0.00571	0.00776	1	09/24/2019 15:40	WG1350957
(S) Toluene-d8	*113*			*75.0-131*		*09/24/2019 15:40*	WG1350957
(S) 4-Bromofluorobenzene	*98.7*			*67.0-138*		*09/24/2019 15:40*	WG1350957
(S) 1,2-Dichloroethane-d4	*92.1*			*70.0-130*		*09/24/2019 15:40*	WG1350957

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.6		1	09/25/2019 15:37	WG1351913

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.988		0.323	0.589	18.52	09/24/2019 16:00	WG1350957
Acrylonitrile	U	J0	0.0448	0.295	18.52	09/24/2019 16:00	WG1350957
Benzene	U		0.00943	0.0236	18.52	09/24/2019 16:00	WG1350957
Bromobenzene	U		0.0247	0.295	18.52	09/24/2019 16:00	WG1350957
Bromodichloromethane	U		0.0186	0.0589	18.52	09/24/2019 16:00	WG1350957
Bromochloromethane	U		0.0266	0.118	18.52	09/24/2019 16:00	WG1350957
Bromoform	U		0.141	0.589	18.52	09/24/2019 16:00	WG1350957
Bromomethane	U		0.0872	0.295	18.52	09/24/2019 16:00	WG1350957
n-Butylbenzene	U		0.0905	0.295	18.52	09/24/2019 16:00	WG1350957
sec-Butylbenzene	U		0.0596	0.295	18.52	09/24/2019 16:00	WG1350957
tert-Butylbenzene	U		0.0365	0.118	18.52	09/24/2019 16:00	WG1350957
Carbon disulfide	U		0.0957	0.295	18.52	09/24/2019 16:00	WG1350957
Carbon tetrachloride	U		0.0255	0.118	18.52	09/24/2019 16:00	WG1350957
Chlorobenzene	U		0.0135	0.0589	18.52	09/24/2019 16:00	WG1350957
Chlorodibromomethane	U		0.0106	0.0589	18.52	09/24/2019 16:00	WG1350957
Chloroethane	U		0.0255	0.118	18.52	09/24/2019 16:00	WG1350957
Chloroform	U		0.00978	0.0589	18.52	09/24/2019 16:00	WG1350957
Chloromethane	U		0.0327	0.295	18.52	09/24/2019 16:00	WG1350957
2-Chlorotoluene	U		0.0216	0.0589	18.52	09/24/2019 16:00	WG1350957
4-Chlorotoluene	U		0.0266	0.118	18.52	09/24/2019 16:00	WG1350957
1,2-Dibromo-3-Chloropropane	U	J0	0.120	0.589	18.52	09/24/2019 16:00	WG1350957
1,2-Dibromoethane	U		0.0124	0.0589	18.52	09/24/2019 16:00	WG1350957
Dibromomethane	U		0.0236	0.118	18.52	09/24/2019 16:00	WG1350957
1,2-Dichlorobenzene	U		0.0341	0.118	18.52	09/24/2019 16:00	WG1350957
1,3-Dichlorobenzene	U		0.0401	0.118	18.52	09/24/2019 16:00	WG1350957
1,4-Dichlorobenzene	U		0.0465	0.118	18.52	09/24/2019 16:00	WG1350957
Dichlorodifluoromethane	U		0.0192	0.0589	18.52	09/24/2019 16:00	WG1350957
1,1-Dichloroethane	U		0.0135	0.0589	18.52	09/24/2019 16:00	WG1350957
1,2-Dichloroethane	U		0.0112	0.0589	18.52	09/24/2019 16:00	WG1350957
1,1-Dichloroethene	U		0.0118	0.0589	18.52	09/24/2019 16:00	WG1350957
cis-1,2-Dichloroethene	U		0.0163	0.0589	18.52	09/24/2019 16:00	WG1350957
trans-1,2-Dichloroethene	U		0.0337	0.118	18.52	09/24/2019 16:00	WG1350957
1,2-Dichloropropane	U		0.0299	0.118	18.52	09/24/2019 16:00	WG1350957
1,1-Dichloropropene	U		0.0165	0.0589	18.52	09/24/2019 16:00	WG1350957
1,3-Dichloropropane	U		0.0412	0.118	18.52	09/24/2019 16:00	WG1350957
cis-1,3-Dichloropropene	U		0.0160	0.0589	18.52	09/24/2019 16:00	WG1350957
trans-1,3-Dichloropropene	U		0.0360	0.118	18.52	09/24/2019 16:00	WG1350957
trans-1,4-Dichloro-2-butene	U		0.0330	0.118	18.52	09/24/2019 16:00	WG1350957
2,2-Dichloropropane	U		0.0187	0.0589	18.52	09/24/2019 16:00	WG1350957
Di-isopropyl ether	U		0.00825	0.0236	18.52	09/24/2019 16:00	WG1350957
Ethylbenzene	U		0.0125	0.0589	18.52	09/24/2019 16:00	WG1350957
Hexachloro-1,3-butadiene	U		0.299	0.589	18.52	09/24/2019 16:00	WG1350957
2-Hexanone	U	J0	0.236	0.589	18.52	09/24/2019 16:00	WG1350957
n-Hexane	0.130	J0	0.0250	0.118	18.52	09/24/2019 16:00	WG1350957
Iodomethane	U		0.143	0.295	18.52	09/24/2019 16:00	WG1350957
Isopropylbenzene	U		0.0204	0.0589	18.52	09/24/2019 16:00	WG1350957
p-Isopropyltoluene	U		0.0550	0.118	18.52	09/24/2019 16:00	WG1350957
2-Butanone (MEK)	U		0.295	0.589	18.52	09/24/2019 16:00	WG1350957
Methylene Chloride	U		0.157	0.589	18.52	09/24/2019 16:00	WG1350957
4-Methyl-2-pentanone (MIBK)	U		0.236	0.589	18.52	09/24/2019 16:00	WG1350957

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00695	0.0236	18.52	09/24/2019 16:00	WG1350957
Naphthalene	U		0.0736	0.295	18.52	09/24/2019 16:00	WG1350957
n-Propylbenzene	U		0.0278	0.118	18.52	09/24/2019 16:00	WG1350957
Styrene	U		0.0644	0.295	18.52	09/24/2019 16:00	WG1350957
1,1,1,2-Tetrachloroethane	U		0.0118	0.0589	18.52	09/24/2019 16:00	WG1350957
1,1,2,2-Tetrachloroethane	U	J0 J4	0.00919	0.0589	18.52	09/24/2019 16:00	WG1350957
1,1,2-Trichlorotrifluoroethane	U		0.0159	0.0589	18.52	09/24/2019 16:00	WG1350957
Tetrachloroethene	U		0.0165	0.0589	18.52	09/24/2019 16:00	WG1350957
Toluene	0.207		0.0295	0.118	18.52	09/24/2019 16:00	WG1350957
1,2,3-Trichlorobenzene	U		0.0148	0.0589	18.52	09/24/2019 16:00	WG1350957
1,2,4-Trichlorobenzene	U		0.114	0.295	18.52	09/24/2019 16:00	WG1350957
1,1,1-Trichloroethane	U		0.00648	0.0589	18.52	09/24/2019 16:00	WG1350957
1,1,2-Trichloroethane	U		0.0209	0.0589	18.52	09/24/2019 16:00	WG1350957
Trichloroethene	U		0.00943	0.0236	18.52	09/24/2019 16:00	WG1350957
Trichlorofluoromethane	0.0466	J	0.0118	0.0589	18.52	09/24/2019 16:00	WG1350957
1,2,3-Trichloropropane	U		0.120	0.295	18.52	09/24/2019 16:00	WG1350957
1,2,4-Trimethylbenzene	U		0.0274	0.118	18.52	09/24/2019 16:00	WG1350957
1,2,3-Trimethylbenzene	U		0.0271	0.118	18.52	09/24/2019 16:00	WG1350957
1,3,5-Trimethylbenzene	U		0.0255	0.118	18.52	09/24/2019 16:00	WG1350957
Vinyl acetate	U	J0	0.0830	0.295	18.52	09/24/2019 16:00	WG1350957
Vinyl chloride	U		0.0160	0.0589	18.52	09/24/2019 16:00	WG1350957
Xylenes, Total	U		0.113	0.153	18.52	09/24/2019 16:00	WG1350957
(S) Toluene-d8	*112*			*75.0-131*		*09/24/2019 16:00*	WG1350957
(S) 4-Bromofluorobenzene	*99.7*			*67.0-138*		*09/24/2019 16:00*	WG1350957
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*09/24/2019 16:00*	WG1350957

Sample Narrative:

L1141285-05 WG1350957: Lowest possible dilution due to sample prep factor.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.5		1	09/25/2019 15:37	WG1351913

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0851		0.0176	0.0321	1.06	09/24/2019 16:20	WG1350957
Acrylonitrile	U	J0	0.00244	0.0161	1.06	09/24/2019 16:20	WG1350957
Benzene	0.00117	J	0.000514	0.00129	1.06	09/24/2019 16:20	WG1350957
Bromobenzene	U		0.00135	0.0161	1.06	09/24/2019 16:20	WG1350957
Bromodichloromethane	U		0.00101	0.00321	1.06	09/24/2019 16:20	WG1350957
Bromochloromethane	U		0.00145	0.00643	1.06	09/24/2019 16:20	WG1350957
Bromoform	U		0.00769	0.0321	1.06	09/24/2019 16:20	WG1350957
Bromomethane	U		0.00475	0.0161	1.06	09/24/2019 16:20	WG1350957
n-Butylbenzene	U		0.00493	0.0161	1.06	09/24/2019 16:20	WG1350957
sec-Butylbenzene	U		0.00325	0.0161	1.06	09/24/2019 16:20	WG1350957
tert-Butylbenzene	U		0.00199	0.00643	1.06	09/24/2019 16:20	WG1350957
Carbon disulfide	U		0.00521	0.0161	1.06	09/24/2019 16:20	WG1350957
Carbon tetrachloride	U		0.00138	0.00643	1.06	09/24/2019 16:20	WG1350957
Chlorobenzene	U		0.000736	0.00321	1.06	09/24/2019 16:20	WG1350957
Chlorodibromomethane	U		0.000578	0.00321	1.06	09/24/2019 16:20	WG1350957
Chloroethane	U		0.00138	0.00643	1.06	09/24/2019 16:20	WG1350957
Chloroform	U		0.000533	0.00321	1.06	09/24/2019 16:20	WG1350957
Chloromethane	U		0.00178	0.0161	1.06	09/24/2019 16:20	WG1350957
2-Chlorotoluene	U		0.00118	0.00321	1.06	09/24/2019 16:20	WG1350957
4-Chlorotoluene	U		0.00145	0.00643	1.06	09/24/2019 16:20	WG1350957
1,2-Dibromo-3-Chloropropane	U	J0	0.00656	0.0321	1.06	09/24/2019 16:20	WG1350957
1,2-Dibromoethane	U		0.000674	0.00321	1.06	09/24/2019 16:20	WG1350957
Dibromomethane	U		0.00129	0.00643	1.06	09/24/2019 16:20	WG1350957
1,2-Dichlorobenzene	U		0.00187	0.00643	1.06	09/24/2019 16:20	WG1350957
1,3-Dichlorobenzene	U		0.00218	0.00643	1.06	09/24/2019 16:20	WG1350957
1,4-Dichlorobenzene	U		0.00253	0.00643	1.06	09/24/2019 16:20	WG1350957
Dichlorodifluoromethane	U		0.00105	0.00321	1.06	09/24/2019 16:20	WG1350957
1,1-Dichloroethane	U		0.000740	0.00321	1.06	09/24/2019 16:20	WG1350957
1,2-Dichloroethane	U		0.000611	0.00321	1.06	09/24/2019 16:20	WG1350957
1,1-Dichloroethene	U		0.000643	0.00321	1.06	09/24/2019 16:20	WG1350957
cis-1,2-Dichloroethene	U		0.000886	0.00321	1.06	09/24/2019 16:20	WG1350957
trans-1,2-Dichloroethene	U		0.00184	0.00643	1.06	09/24/2019 16:20	WG1350957
1,2-Dichloropropane	U		0.00164	0.00643	1.06	09/24/2019 16:20	WG1350957
1,1-Dichloropropene	U		0.000900	0.00321	1.06	09/24/2019 16:20	WG1350957
1,3-Dichloropropane	U		0.00226	0.00643	1.06	09/24/2019 16:20	WG1350957
cis-1,3-Dichloropropene	U		0.000872	0.00321	1.06	09/24/2019 16:20	WG1350957
trans-1,3-Dichloropropene	U		0.00196	0.00643	1.06	09/24/2019 16:20	WG1350957
trans-1,4-Dichloro-2-butene	U		0.00179	0.00643	1.06	09/24/2019 16:20	WG1350957
2,2-Dichloropropane	U		0.00102	0.00321	1.06	09/24/2019 16:20	WG1350957
Di-isopropyl ether	U		0.000450	0.00129	1.06	09/24/2019 16:20	WG1350957
Ethylbenzene	U		0.000681	0.00321	1.06	09/24/2019 16:20	WG1350957
Hexachloro-1,3-butadiene	U		0.0164	0.0321	1.06	09/24/2019 16:20	WG1350957
2-Hexanone	U	J0	0.0129	0.0321	1.06	09/24/2019 16:20	WG1350957
n-Hexane	0.00384	J J0	0.00136	0.00643	1.06	09/24/2019 16:20	WG1350957
Iodomethane	U		0.00777	0.0161	1.06	09/24/2019 16:20	WG1350957
Isopropylbenzene	U		0.00111	0.00321	1.06	09/24/2019 16:20	WG1350957
p-Isopropyltoluene	0.00376	J	0.00299	0.00643	1.06	09/24/2019 16:20	WG1350957
2-Butanone (MEK)	0.0240	J	0.0160	0.0321	1.06	09/24/2019 16:20	WG1350957
Methylene Chloride	U		0.00854	0.0321	1.06	09/24/2019 16:20	WG1350957
4-Methyl-2-pentanone (MIBK)	U		0.0129	0.0321	1.06	09/24/2019 16:20	WG1350957

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

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	0.00129	1.06	09/24/2019 16:20	WG1350957
Naphthalene	U		0.00401	0.0161	1.06	09/24/2019 16:20	WG1350957
n-Propylbenzene	U		0.00152	0.00643	1.06	09/24/2019 16:20	WG1350957
Styrene	U		0.00350	0.0161	1.06	09/24/2019 16:20	WG1350957
1,1,1,2-Tetrachloroethane	U		0.000643	0.00321	1.06	09/24/2019 16:20	WG1350957
1,1,2,2-Tetrachloroethane	U	J0 J4	0.000501	0.00321	1.06	09/24/2019 16:20	WG1350957
1,1,2-Trichlorotrifluoroethane	U		0.000868	0.00321	1.06	09/24/2019 16:20	WG1350957
Tetrachloroethene	U		0.000900	0.00321	1.06	09/24/2019 16:20	WG1350957
Toluene	0.00781		0.00160	0.00643	1.06	09/24/2019 16:20	WG1350957
1,2,3-Trichlorobenzene	U		0.000803	0.00321	1.06	09/24/2019 16:20	WG1350957
1,2,4-Trichlorobenzene	U		0.00620	0.0161	1.06	09/24/2019 16:20	WG1350957
1,1,1-Trichloroethane	U		0.000354	0.00321	1.06	09/24/2019 16:20	WG1350957
1,1,2-Trichloroethane	U		0.00113	0.00321	1.06	09/24/2019 16:20	WG1350957
Trichloroethene	U		0.000514	0.00129	1.06	09/24/2019 16:20	WG1350957
Trichlorofluoromethane	U		0.000643	0.00321	1.06	09/24/2019 16:20	WG1350957
1,2,3-Trichloropropane	U		0.00656	0.0161	1.06	09/24/2019 16:20	WG1350957
1,2,4-Trimethylbenzene	U		0.00149	0.00643	1.06	09/24/2019 16:20	WG1350957
1,2,3-Trimethylbenzene	U		0.00148	0.00643	1.06	09/24/2019 16:20	WG1350957
1,3,5-Trimethylbenzene	U		0.00138	0.00643	1.06	09/24/2019 16:20	WG1350957
Vinyl acetate	U	J0	0.00452	0.0161	1.06	09/24/2019 16:20	WG1350957
Vinyl chloride	U		0.000878	0.00321	1.06	09/24/2019 16:20	WG1350957
Xylenes, Total	U		0.00615	0.00835	1.06	09/24/2019 16:20	WG1350957
(S) Toluene-d8	*113*			*75.0-131*		*09/24/2019 16:20*	WG1350957
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/24/2019 16:20*	WG1350957
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/24/2019 16:20*	WG1350957

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	34.3		1	09/25/2019 15:37	WG1351913

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.437		0.0399	0.0728	1	09/24/2019 16:41	WG1350957
Acrylonitrile	U	J0	0.00553	0.0364	1	09/24/2019 16:41	WG1350957
Benzene	U		0.00116	0.00291	1	09/24/2019 16:41	WG1350957
Bromobenzene	U		0.00306	0.0364	1	09/24/2019 16:41	WG1350957
Bromodichloromethane	U		0.00229	0.00728	1	09/24/2019 16:41	WG1350957
Bromochloromethane	U		0.00329	0.0146	1	09/24/2019 16:41	WG1350957
Bromoform	U		0.0174	0.0728	1	09/24/2019 16:41	WG1350957
Bromomethane	U		0.0108	0.0364	1	09/24/2019 16:41	WG1350957
n-Butylbenzene	U		0.0112	0.0364	1	09/24/2019 16:41	WG1350957
sec-Butylbenzene	U		0.00737	0.0364	1	09/24/2019 16:41	WG1350957
tert-Butylbenzene	U		0.00451	0.0146	1	09/24/2019 16:41	WG1350957
Carbon disulfide	U		0.0118	0.0364	1	09/24/2019 16:41	WG1350957
Carbon tetrachloride	U		0.00314	0.0146	1	09/24/2019 16:41	WG1350957
Chlorobenzene	U		0.00167	0.00728	1	09/24/2019 16:41	WG1350957
Chlorodibromomethane	U		0.00131	0.00728	1	09/24/2019 16:41	WG1350957
Chloroethane	U		0.00314	0.0146	1	09/24/2019 16:41	WG1350957
Chloroform	U		0.00121	0.00728	1	09/24/2019 16:41	WG1350957
Chloromethane	U		0.00405	0.0364	1	09/24/2019 16:41	WG1350957
2-Chlorotoluene	U		0.00268	0.00728	1	09/24/2019 16:41	WG1350957
4-Chlorotoluene	U		0.00329	0.0146	1	09/24/2019 16:41	WG1350957
1,2-Dibromo-3-Chloropropane	U	J0	0.0148	0.0728	1	09/24/2019 16:41	WG1350957
1,2-Dibromoethane	U		0.00153	0.00728	1	09/24/2019 16:41	WG1350957
Dibromomethane	U		0.00291	0.0146	1	09/24/2019 16:41	WG1350957
1,2-Dichlorobenzene	U		0.00422	0.0146	1	09/24/2019 16:41	WG1350957
1,3-Dichlorobenzene	U		0.00495	0.0146	1	09/24/2019 16:41	WG1350957
1,4-Dichlorobenzene	U		0.00574	0.0146	1	09/24/2019 16:41	WG1350957
Dichlorodifluoromethane	U		0.00238	0.00728	1	09/24/2019 16:41	WG1350957
1,1-Dichloroethane	U		0.00167	0.00728	1	09/24/2019 16:41	WG1350957
1,2-Dichloroethane	U		0.00138	0.00728	1	09/24/2019 16:41	WG1350957
1,1-Dichloroethene	U		0.00146	0.00728	1	09/24/2019 16:41	WG1350957
cis-1,2-Dichloroethene	U		0.00201	0.00728	1	09/24/2019 16:41	WG1350957
trans-1,2-Dichloroethene	U		0.00416	0.0146	1	09/24/2019 16:41	WG1350957
1,2-Dichloropropane	U		0.00370	0.0146	1	09/24/2019 16:41	WG1350957
1,1-Dichloropropene	U		0.00204	0.00728	1	09/24/2019 16:41	WG1350957
1,3-Dichloropropane	U		0.00510	0.0146	1	09/24/2019 16:41	WG1350957
cis-1,3-Dichloropropene	U		0.00197	0.00728	1	09/24/2019 16:41	WG1350957
trans-1,3-Dichloropropene	U		0.00445	0.0146	1	09/24/2019 16:41	WG1350957
trans-1,4-Dichloro-2-butene	U		0.00408	0.0146	1	09/24/2019 16:41	WG1350957
2,2-Dichloropropane	U		0.00231	0.00728	1	09/24/2019 16:41	WG1350957
Di-isopropyl ether	U		0.00102	0.00291	1	09/24/2019 16:41	WG1350957
Ethylbenzene	U		0.00154	0.00728	1	09/24/2019 16:41	WG1350957
Hexachloro-1,3-butadiene	U		0.0370	0.0728	1	09/24/2019 16:41	WG1350957
2-Hexanone	U	J0	0.0291	0.0728	1	09/24/2019 16:41	WG1350957
n-Hexane	U	J0	0.00309	0.0146	1	09/24/2019 16:41	WG1350957
Iodomethane	U		0.0176	0.0364	1	09/24/2019 16:41	WG1350957
Isopropylbenzene	U		0.00251	0.00728	1	09/24/2019 16:41	WG1350957
p-Isopropyltoluene	U		0.00678	0.0146	1	09/24/2019 16:41	WG1350957
2-Butanone (MEK)	0.0972		0.0364	0.0728	1	09/24/2019 16:41	WG1350957
Methylene Chloride	U		0.0193	0.0728	1	09/24/2019 16:41	WG1350957
4-Methyl-2-pentanone (MIBK)	U		0.0291	0.0728	1	09/24/2019 16:41	WG1350957

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000859	0.00291	1	09/24/2019 16:41	WG1350957
Naphthalene	U		0.00908	0.0364	1	09/24/2019 16:41	WG1350957
n-Propylbenzene	U		0.00344	0.0146	1	09/24/2019 16:41	WG1350957
Styrene	U		0.00795	0.0364	1	09/24/2019 16:41	WG1350957
1,1,1,2-Tetrachloroethane	U		0.00146	0.00728	1	09/24/2019 16:41	WG1350957
1,1,2,2-Tetrachloroethane	U	J0 J4	0.00114	0.00728	1	09/24/2019 16:41	WG1350957
1,1,2-Trichlorotrifluoroethane	U		0.00197	0.00728	1	09/24/2019 16:41	WG1350957
Tetrachloroethene	U		0.00204	0.00728	1	09/24/2019 16:41	WG1350957
Toluene	0.00849	J	0.00364	0.0146	1	09/24/2019 16:41	WG1350957
1,2,3-Trichlorobenzene	U		0.00182	0.00728	1	09/24/2019 16:41	WG1350957
1,2,4-Trichlorobenzene	U		0.0140	0.0364	1	09/24/2019 16:41	WG1350957
1,1,1-Trichloroethane	U		0.000801	0.00728	1	09/24/2019 16:41	WG1350957
1,1,2-Trichloroethane	U		0.00257	0.00728	1	09/24/2019 16:41	WG1350957
Trichloroethene	U		0.00116	0.00291	1	09/24/2019 16:41	WG1350957
Trichlorofluoromethane	U		0.00146	0.00728	1	09/24/2019 16:41	WG1350957
1,2,3-Trichloropropane	U		0.0148	0.0364	1	09/24/2019 16:41	WG1350957
1,2,4-Trimethylbenzene	U		0.00338	0.0146	1	09/24/2019 16:41	WG1350957
1,2,3-Trimethylbenzene	U		0.00335	0.0146	1	09/24/2019 16:41	WG1350957
1,3,5-Trimethylbenzene	U		0.00314	0.0146	1	09/24/2019 16:41	WG1350957
Vinyl acetate	U	J0	0.0102	0.0364	1	09/24/2019 16:41	WG1350957
Vinyl chloride	U		0.00199	0.00728	1	09/24/2019 16:41	WG1350957
Xylenes, Total	U		0.0139	0.0189	1	09/24/2019 16:41	WG1350957
(S) Toluene-d8	*112*			*75.0-131*		*09/24/2019 16:41*	WG1350957
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/24/2019 16:41*	WG1350957
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/24/2019 16:41*	WG1350957

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.1		1	09/25/2019 15:37	WG1351913

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0423		0.0169	0.0308	1	09/24/2019 17:01	WG1350957
Acrylonitrile	U	J0	0.00234	0.0154	1	09/24/2019 17:01	WG1350957
Benzene	U		0.000493	0.00123	1	09/24/2019 17:01	WG1350957
Bromobenzene	U		0.00129	0.0154	1	09/24/2019 17:01	WG1350957
Bromodichloromethane	U		0.000972	0.00308	1	09/24/2019 17:01	WG1350957
Bromochloromethane	U		0.00139	0.00617	1	09/24/2019 17:01	WG1350957
Bromoform	U		0.00737	0.0308	1	09/24/2019 17:01	WG1350957
Bromomethane	U		0.00456	0.0154	1	09/24/2019 17:01	WG1350957
n-Butylbenzene	U		0.00473	0.0154	1	09/24/2019 17:01	WG1350957
sec-Butylbenzene	U		0.00312	0.0154	1	09/24/2019 17:01	WG1350957
tert-Butylbenzene	U		0.00191	0.00617	1	09/24/2019 17:01	WG1350957
Carbon disulfide	U		0.00501	0.0154	1	09/24/2019 17:01	WG1350957
Carbon tetrachloride	U		0.00133	0.00617	1	09/24/2019 17:01	WG1350957
Chlorobenzene	U		0.000707	0.00308	1	09/24/2019 17:01	WG1350957
Chlorodibromomethane	U		0.000555	0.00308	1	09/24/2019 17:01	WG1350957
Chloroethane	U		0.00133	0.00617	1	09/24/2019 17:01	WG1350957
Chloroform	U		0.000512	0.00308	1	09/24/2019 17:01	WG1350957
Chloromethane	U		0.00171	0.0154	1	09/24/2019 17:01	WG1350957
2-Chlorotoluene	U		0.00113	0.00308	1	09/24/2019 17:01	WG1350957
4-Chlorotoluene	U		0.00139	0.00617	1	09/24/2019 17:01	WG1350957
1,2-Dibromo-3-Chloropropane	U	J0	0.00629	0.0308	1	09/24/2019 17:01	WG1350957
1,2-Dibromoethane	U		0.000647	0.00308	1	09/24/2019 17:01	WG1350957
Dibromomethane	U		0.00123	0.00617	1	09/24/2019 17:01	WG1350957
1,2-Dichlorobenzene	U		0.00179	0.00617	1	09/24/2019 17:01	WG1350957
1,3-Dichlorobenzene	U		0.00210	0.00617	1	09/24/2019 17:01	WG1350957
1,4-Dichlorobenzene	U		0.00243	0.00617	1	09/24/2019 17:01	WG1350957
Dichlorodifluoromethane	U		0.00101	0.00308	1	09/24/2019 17:01	WG1350957
1,1-Dichloroethane	U		0.000709	0.00308	1	09/24/2019 17:01	WG1350957
1,2-Dichloroethane	U		0.000586	0.00308	1	09/24/2019 17:01	WG1350957
1,1-Dichloroethene	U		0.000617	0.00308	1	09/24/2019 17:01	WG1350957
cis-1,2-Dichloroethene	U		0.000851	0.00308	1	09/24/2019 17:01	WG1350957
trans-1,2-Dichloroethene	U		0.00176	0.00617	1	09/24/2019 17:01	WG1350957
1,2-Dichloropropane	U		0.00157	0.00617	1	09/24/2019 17:01	WG1350957
1,1-Dichloropropene	U		0.000863	0.00308	1	09/24/2019 17:01	WG1350957
1,3-Dichloropropane	U		0.00216	0.00617	1	09/24/2019 17:01	WG1350957
cis-1,3-Dichloropropene	U		0.000836	0.00308	1	09/24/2019 17:01	WG1350957
trans-1,3-Dichloropropene	U		0.00189	0.00617	1	09/24/2019 17:01	WG1350957
trans-1,4-Dichloro-2-butene	U		0.00173	0.00617	1	09/24/2019 17:01	WG1350957
2,2-Dichloropropane	U		0.000978	0.00308	1	09/24/2019 17:01	WG1350957
Di-isopropyl ether	U		0.000432	0.00123	1	09/24/2019 17:01	WG1350957
Ethylbenzene	U		0.000654	0.00308	1	09/24/2019 17:01	WG1350957
Hexachloro-1,3-butadiene	U		0.0157	0.0308	1	09/24/2019 17:01	WG1350957
2-Hexanone	U	J0	0.0123	0.0308	1	09/24/2019 17:01	WG1350957
n-Hexane	0.00241	J J0	0.00131	0.00617	1	09/24/2019 17:01	WG1350957
Iodomethane	U		0.00746	0.0154	1	09/24/2019 17:01	WG1350957
Isopropylbenzene	U		0.00106	0.00308	1	09/24/2019 17:01	WG1350957
p-Isopropyltoluene	U		0.00287	0.00617	1	09/24/2019 17:01	WG1350957
2-Butanone (MEK)	U		0.0154	0.0308	1	09/24/2019 17:01	WG1350957
Methylene Chloride	U		0.00819	0.0308	1	09/24/2019 17:01	WG1350957
4-Methyl-2-pentanone (MIBK)	U		0.0123	0.0308	1	09/24/2019 17:01	WG1350957

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000364	0.00123	1	09/24/2019 17:01	WG1350957
Naphthalene	U		0.00385	0.0154	1	09/24/2019 17:01	WG1350957
n-Propylbenzene	U		0.00146	0.00617	1	09/24/2019 17:01	WG1350957
Styrene	U		0.00337	0.0154	1	09/24/2019 17:01	WG1350957
1,1,1,2-Tetrachloroethane	U		0.000617	0.00308	1	09/24/2019 17:01	WG1350957
1,1,2,2-Tetrachloroethane	U	J0 J4	0.000481	0.00308	1	09/24/2019 17:01	WG1350957
1,1,2-Trichlorotrifluoroethane	U		0.000832	0.00308	1	09/24/2019 17:01	WG1350957
Tetrachloroethene	U		0.000863	0.00308	1	09/24/2019 17:01	WG1350957
Toluene	0.00519	J	0.00154	0.00617	1	09/24/2019 17:01	WG1350957
1,2,3-Trichlorobenzene	U		0.000771	0.00308	1	09/24/2019 17:01	WG1350957
1,2,4-Trichlorobenzene	U		0.00594	0.0154	1	09/24/2019 17:01	WG1350957
1,1,1-Trichloroethane	U		0.000339	0.00308	1	09/24/2019 17:01	WG1350957
1,1,2-Trichloroethane	U		0.00109	0.00308	1	09/24/2019 17:01	WG1350957
Trichloroethene	U		0.000493	0.00123	1	09/24/2019 17:01	WG1350957
Trichlorofluoromethane	0.00134	J	0.000617	0.00308	1	09/24/2019 17:01	WG1350957
1,2,3-Trichloropropane	U		0.00629	0.0154	1	09/24/2019 17:01	WG1350957
1,2,4-Trimethylbenzene	U		0.00143	0.00617	1	09/24/2019 17:01	WG1350957
1,2,3-Trimethylbenzene	U		0.00142	0.00617	1	09/24/2019 17:01	WG1350957
1,3,5-Trimethylbenzene	U		0.00133	0.00617	1	09/24/2019 17:01	WG1350957
Vinyl acetate	U	J0	0.00434	0.0154	1	09/24/2019 17:01	WG1350957
Vinyl chloride	U		0.000842	0.00308	1	09/24/2019 17:01	WG1350957
Xylenes, Total	U		0.00589	0.00801	1	09/24/2019 17:01	WG1350957
(S) Toluene-d8	*112*			*75.0-131*		*09/24/2019 17:01*	WG1350957
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/24/2019 17:01*	WG1350957
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/24/2019 17:01*	WG1350957

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.1		1	09/25/2019 15:37	WG1351913

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	1.39	B	0.503	0.918	29.41	09/24/2019 05:31	WG1350809
Acrylonitrile	U	J0	0.0698	0.459	29.41	09/24/2019 05:31	WG1350809
Benzene	U		0.0147	0.0367	29.41	09/24/2019 05:31	WG1350809
Bromobenzene	U		0.0386	0.459	29.41	09/24/2019 05:31	WG1350809
Bromodichloromethane	U		0.0290	0.0918	29.41	09/24/2019 05:31	WG1350809
Bromochloromethane	U		0.0414	0.184	29.41	09/24/2019 05:31	WG1350809
Bromoform	U		0.220	0.918	29.41	09/24/2019 05:31	WG1350809
Bromomethane	U		0.136	0.459	29.41	09/24/2019 05:31	WG1350809
n-Butylbenzene	U		0.141	0.459	29.41	09/24/2019 05:31	WG1350809
sec-Butylbenzene	U		0.0929	0.459	29.41	09/24/2019 05:31	WG1350809
tert-Butylbenzene	U		0.0569	0.184	29.41	09/24/2019 05:31	WG1350809
Carbon disulfide	U	J0	0.149	0.459	29.41	09/24/2019 05:31	WG1350809
Carbon tetrachloride	U		0.0397	0.184	29.41	09/24/2019 05:31	WG1350809
Chlorobenzene	U		0.0210	0.0918	29.41	09/24/2019 05:31	WG1350809
Chlorodibromomethane	U		0.0165	0.0918	29.41	09/24/2019 05:31	WG1350809
Chloroethane	U		0.0397	0.184	29.41	09/24/2019 05:31	WG1350809
Chloroform	U		0.0152	0.0918	29.41	09/24/2019 05:31	WG1350809
Chloromethane	U		0.0510	0.459	29.41	09/24/2019 05:31	WG1350809
2-Chlorotoluene	U		0.0337	0.0918	29.41	09/24/2019 05:31	WG1350809
4-Chlorotoluene	U		0.0414	0.184	29.41	09/24/2019 05:31	WG1350809
1,2-Dibromo-3-Chloropropane	U	J0	0.187	0.918	29.41	09/24/2019 05:31	WG1350809
1,2-Dibromoethane	U		0.0192	0.0918	29.41	09/24/2019 05:31	WG1350809
Dibromomethane	U		0.0367	0.184	29.41	09/24/2019 05:31	WG1350809
1,2-Dichlorobenzene	U		0.0532	0.184	29.41	09/24/2019 05:31	WG1350809
1,3-Dichlorobenzene	U		0.0624	0.184	29.41	09/24/2019 05:31	WG1350809
1,4-Dichlorobenzene	U		0.0723	0.184	29.41	09/24/2019 05:31	WG1350809
Dichlorodifluoromethane	U		0.0300	0.0918	29.41	09/24/2019 05:31	WG1350809
1,1-Dichloroethane	U		0.0211	0.0918	29.41	09/24/2019 05:31	WG1350809
1,2-Dichloroethane	U		0.0175	0.0918	29.41	09/24/2019 05:31	WG1350809
1,1-Dichloroethene	U		0.0183	0.0918	29.41	09/24/2019 05:31	WG1350809
cis-1,2-Dichloroethene	U		0.0253	0.0918	29.41	09/24/2019 05:31	WG1350809
trans-1,2-Dichloroethene	U		0.0524	0.184	29.41	09/24/2019 05:31	WG1350809
1,2-Dichloropropane	U		0.0467	0.184	29.41	09/24/2019 05:31	WG1350809
1,1-Dichloropropene	U		0.0257	0.0918	29.41	09/24/2019 05:31	WG1350809
1,3-Dichloropropane	U		0.0643	0.184	29.41	09/24/2019 05:31	WG1350809
cis-1,3-Dichloropropene	U		0.0248	0.0918	29.41	09/24/2019 05:31	WG1350809
trans-1,3-Dichloropropene	U		0.0562	0.184	29.41	09/24/2019 05:31	WG1350809
trans-1,4-Dichloro-2-butene	U		0.0514	0.184	29.41	09/24/2019 05:31	WG1350809
2,2-Dichloropropane	U		0.0291	0.0918	29.41	09/24/2019 05:31	WG1350809
Di-isopropyl ether	U		0.0129	0.0367	29.41	09/24/2019 05:31	WG1350809
Ethylbenzene	U		0.0195	0.0918	29.41	09/24/2019 05:31	WG1350809
Hexachloro-1,3-butadiene	U		0.467	0.918	29.41	09/24/2019 05:31	WG1350809
2-Hexanone	U		0.367	0.918	29.41	09/24/2019 05:31	WG1350809
n-Hexane	0.152	J J0	0.0389	0.184	29.41	09/24/2019 05:31	WG1350809
Iodomethane	U		0.222	0.459	29.41	09/24/2019 05:31	WG1350809
Isopropylbenzene	U		0.0317	0.0918	29.41	09/24/2019 05:31	WG1350809
p-Isopropyltoluene	U		0.0855	0.184	29.41	09/24/2019 05:31	WG1350809
2-Butanone (MEK)	U	J0	0.459	0.918	29.41	09/24/2019 05:31	WG1350809
Methylene Chloride	U		0.243	0.918	29.41	09/24/2019 05:31	WG1350809
4-Methyl-2-pentanone (MIBK)	U		0.367	0.918	29.41	09/24/2019 05:31	WG1350809

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0108	0.0367	29.41	09/24/2019 05:31	WG1350809
Naphthalene	U		0.115	0.459	29.41	09/24/2019 05:31	WG1350809
n-Propylbenzene	U		0.0433	0.184	29.41	09/24/2019 05:31	WG1350809
Styrene	U		0.100	0.459	29.41	09/24/2019 05:31	WG1350809
1,1,1,2-Tetrachloroethane	U		0.0183	0.0918	29.41	09/24/2019 05:31	WG1350809
1,1,2,2-Tetrachloroethane	U	J0	0.0144	0.0918	29.41	09/24/2019 05:31	WG1350809
1,1,2-Trichlorotrifluoroethane	U		0.0247	0.0918	29.41	09/24/2019 05:31	WG1350809
Tetrachloroethene	U		0.0257	0.0918	29.41	09/24/2019 05:31	WG1350809
Toluene	0.299		0.0459	0.184	29.41	09/24/2019 05:31	WG1350809
1,2,3-Trichlorobenzene	U		0.0230	0.0918	29.41	09/24/2019 05:31	WG1350809
1,2,4-Trichlorobenzene	U		0.177	0.459	29.41	09/24/2019 05:31	WG1350809
1,1,1-Trichloroethane	U		0.0101	0.0918	29.41	09/24/2019 05:31	WG1350809
1,1,2-Trichloroethane	U		0.0324	0.0918	29.41	09/24/2019 05:31	WG1350809
Trichloroethene	U		0.0147	0.0367	29.41	09/24/2019 05:31	WG1350809
Trichlorofluoromethane	0.0638	J	0.0183	0.0918	29.41	09/24/2019 05:31	WG1350809
1,2,3-Trichloropropane	U		0.187	0.459	29.41	09/24/2019 05:31	WG1350809
1,2,4-Trimethylbenzene	U		0.0426	0.184	29.41	09/24/2019 05:31	WG1350809
1,2,3-Trimethylbenzene	U		0.0422	0.184	29.41	09/24/2019 05:31	WG1350809
1,3,5-Trimethylbenzene	U		0.0397	0.184	29.41	09/24/2019 05:31	WG1350809
Vinyl acetate	U	J0	0.130	0.459	29.41	09/24/2019 05:31	WG1350809
Vinyl chloride	U		0.0251	0.0918	29.41	09/24/2019 05:31	WG1350809
Xylenes, Total	U		0.175	0.239	29.41	09/24/2019 05:31	WG1350809
(S) Toluene-d8	*113*			*75.0-131*		*09/24/2019 05:31*	WG1350809
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/24/2019 05:31*	WG1350809
(S) 1,2-Dichloroethane-d4	*99.0*			*70.0-130*		*09/24/2019 05:31*	WG1350809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.0		1	09/25/2019 16:26	WG1351915

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0665	B	0.0163	0.0298	1	09/24/2019 05:51	WG1350809
Acrylonitrile	U	J0	0.00226	0.0149	1	09/24/2019 05:51	WG1350809
Benzene	U		0.000476	0.00119	1	09/24/2019 05:51	WG1350809
Bromobenzene	U		0.00125	0.0149	1	09/24/2019 05:51	WG1350809
Bromodichloromethane	U		0.000938	0.00298	1	09/24/2019 05:51	WG1350809
Bromochloromethane	U		0.00134	0.00595	1	09/24/2019 05:51	WG1350809
Bromoform	U		0.00712	0.0298	1	09/24/2019 05:51	WG1350809
Bromomethane	U		0.00440	0.0149	1	09/24/2019 05:51	WG1350809
n-Butylbenzene	U		0.00457	0.0149	1	09/24/2019 05:51	WG1350809
sec-Butylbenzene	U		0.00301	0.0149	1	09/24/2019 05:51	WG1350809
tert-Butylbenzene	U		0.00184	0.00595	1	09/24/2019 05:51	WG1350809
Carbon disulfide	U	J0	0.00483	0.0149	1	09/24/2019 05:51	WG1350809
Carbon tetrachloride	U		0.00129	0.00595	1	09/24/2019 05:51	WG1350809
Chlorobenzene	U		0.000682	0.00298	1	09/24/2019 05:51	WG1350809
Chlorodibromomethane	U		0.000536	0.00298	1	09/24/2019 05:51	WG1350809
Chloroethane	U		0.00129	0.00595	1	09/24/2019 05:51	WG1350809
Chloroform	0.000538	B J	0.000494	0.00298	1	09/24/2019 05:51	WG1350809
Chloromethane	U		0.00165	0.0149	1	09/24/2019 05:51	WG1350809
2-Chlorotoluene	U		0.00110	0.00298	1	09/24/2019 05:51	WG1350809
4-Chlorotoluene	U		0.00134	0.00595	1	09/24/2019 05:51	WG1350809
1,2-Dibromo-3-Chloropropane	U	J0	0.00607	0.0298	1	09/24/2019 05:51	WG1350809
1,2-Dibromoethane	U		0.000625	0.00298	1	09/24/2019 05:51	WG1350809
Dibromomethane	U		0.00119	0.00595	1	09/24/2019 05:51	WG1350809
1,2-Dichlorobenzene	U		0.00173	0.00595	1	09/24/2019 05:51	WG1350809
1,3-Dichlorobenzene	U		0.00202	0.00595	1	09/24/2019 05:51	WG1350809
1,4-Dichlorobenzene	U		0.00234	0.00595	1	09/24/2019 05:51	WG1350809
Dichlorodifluoromethane	U		0.000974	0.00298	1	09/24/2019 05:51	WG1350809
1,1-Dichloroethane	U		0.000684	0.00298	1	09/24/2019 05:51	WG1350809
1,2-Dichloroethane	U		0.000565	0.00298	1	09/24/2019 05:51	WG1350809
1,1-Dichloroethene	U		0.000595	0.00298	1	09/24/2019 05:51	WG1350809
cis-1,2-Dichloroethene	U		0.000821	0.00298	1	09/24/2019 05:51	WG1350809
trans-1,2-Dichloroethene	U		0.00170	0.00595	1	09/24/2019 05:51	WG1350809
1,2-Dichloropropane	U		0.00151	0.00595	1	09/24/2019 05:51	WG1350809
1,1-Dichloropropene	U		0.000833	0.00298	1	09/24/2019 05:51	WG1350809
1,3-Dichloropropane	U		0.00208	0.00595	1	09/24/2019 05:51	WG1350809
cis-1,3-Dichloropropene	U		0.000807	0.00298	1	09/24/2019 05:51	WG1350809
trans-1,3-Dichloropropene	U		0.00182	0.00595	1	09/24/2019 05:51	WG1350809
trans-1,4-Dichloro-2-butene	U		0.00167	0.00595	1	09/24/2019 05:51	WG1350809
2,2-Dichloropropane	U		0.000944	0.00298	1	09/24/2019 05:51	WG1350809
Di-isopropyl ether	U		0.000417	0.00119	1	09/24/2019 05:51	WG1350809
Ethylbenzene	U		0.000631	0.00298	1	09/24/2019 05:51	WG1350809
Hexachloro-1,3-butadiene	U		0.0151	0.0298	1	09/24/2019 05:51	WG1350809
2-Hexanone	U		0.0119	0.0298	1	09/24/2019 05:51	WG1350809
n-Hexane	U	J0	0.00126	0.00595	1	09/24/2019 05:51	WG1350809
Iodomethane	U		0.00720	0.0149	1	09/24/2019 05:51	WG1350809
Isopropylbenzene	U		0.00103	0.00298	1	09/24/2019 05:51	WG1350809
p-Isopropyltoluene	U		0.00277	0.00595	1	09/24/2019 05:51	WG1350809
2-Butanone (MEK)	0.0199	J J0	0.0149	0.0298	1	09/24/2019 05:51	WG1350809
Methylene Chloride	U		0.00790	0.0298	1	09/24/2019 05:51	WG1350809
4-Methyl-2-pentanone (MIBK)	U		0.0119	0.0298	1	09/24/2019 05:51	WG1350809

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000351	0.00119	1	09/24/2019 05:51	WG1350809
Naphthalene	U		0.00371	0.0149	1	09/24/2019 05:51	WG1350809
n-Propylbenzene	U		0.00140	0.00595	1	09/24/2019 05:51	WG1350809
Styrene	U		0.00325	0.0149	1	09/24/2019 05:51	WG1350809
1,1,1,2-Tetrachloroethane	U		0.000595	0.00298	1	09/24/2019 05:51	WG1350809
1,1,2,2-Tetrachloroethane	U	J0	0.000464	0.00298	1	09/24/2019 05:51	WG1350809
1,1,2-Trichlorotrifluoroethane	U		0.000803	0.00298	1	09/24/2019 05:51	WG1350809
Tetrachloroethene	U		0.000833	0.00298	1	09/24/2019 05:51	WG1350809
Toluene	0.00690		0.00149	0.00595	1	09/24/2019 05:51	WG1350809
1,2,3-Trichlorobenzene	U		0.000744	0.00298	1	09/24/2019 05:51	WG1350809
1,2,4-Trichlorobenzene	U		0.00574	0.0149	1	09/24/2019 05:51	WG1350809
1,1,1-Trichloroethane	U		0.000327	0.00298	1	09/24/2019 05:51	WG1350809
1,1,2-Trichloroethane	U		0.00105	0.00298	1	09/24/2019 05:51	WG1350809
Trichloroethene	U		0.000476	0.00119	1	09/24/2019 05:51	WG1350809
Trichlorofluoromethane	U		0.000595	0.00298	1	09/24/2019 05:51	WG1350809
1,2,3-Trichloropropane	U		0.00607	0.0149	1	09/24/2019 05:51	WG1350809
1,2,4-Trimethylbenzene	U		0.00138	0.00595	1	09/24/2019 05:51	WG1350809
1,2,3-Trimethylbenzene	U		0.00137	0.00595	1	09/24/2019 05:51	WG1350809
1,3,5-Trimethylbenzene	U		0.00129	0.00595	1	09/24/2019 05:51	WG1350809
Vinyl acetate	U	J0	0.00419	0.0149	1	09/24/2019 05:51	WG1350809
Vinyl chloride	U		0.000813	0.00298	1	09/24/2019 05:51	WG1350809
Xylenes, Total	U		0.00569	0.00774	1	09/24/2019 05:51	WG1350809
(S) Toluene-d8	*110*			*75.0-131*		*09/24/2019 05:51*	WG1350809
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/24/2019 05:51*	WG1350809
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/24/2019 05:51*	WG1350809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.2		1	09/25/2019 16:26	WG1351915

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0339	B	0.0165	0.0301	1	09/24/2019 06:11	WG1350809
Acrylonitrile	U	J0	0.00228	0.0150	1	09/24/2019 06:11	WG1350809
Benzene	U		0.000481	0.00120	1	09/24/2019 06:11	WG1350809
Bromobenzene	U		0.00126	0.0150	1	09/24/2019 06:11	WG1350809
Bromodichloromethane	U		0.000947	0.00301	1	09/24/2019 06:11	WG1350809
Bromochloromethane	U		0.00136	0.00601	1	09/24/2019 06:11	WG1350809
Bromoform	U		0.00719	0.0301	1	09/24/2019 06:11	WG1350809
Bromomethane	U		0.00445	0.0150	1	09/24/2019 06:11	WG1350809
n-Butylbenzene	U		0.00462	0.0150	1	09/24/2019 06:11	WG1350809
sec-Butylbenzene	U		0.00304	0.0150	1	09/24/2019 06:11	WG1350809
tert-Butylbenzene	U		0.00186	0.00601	1	09/24/2019 06:11	WG1350809
Carbon disulfide	U	J0	0.00488	0.0150	1	09/24/2019 06:11	WG1350809
Carbon tetrachloride	U		0.00130	0.00601	1	09/24/2019 06:11	WG1350809
Chlorobenzene	U		0.000689	0.00301	1	09/24/2019 06:11	WG1350809
Chlorodibromomethane	U		0.000541	0.00301	1	09/24/2019 06:11	WG1350809
Chloroethane	U		0.00130	0.00601	1	09/24/2019 06:11	WG1350809
Chloroform	U		0.000499	0.00301	1	09/24/2019 06:11	WG1350809
Chloromethane	U		0.00167	0.0150	1	09/24/2019 06:11	WG1350809
2-Chlorotoluene	U		0.00111	0.00301	1	09/24/2019 06:11	WG1350809
4-Chlorotoluene	U		0.00136	0.00601	1	09/24/2019 06:11	WG1350809
1,2-Dibromo-3-Chloropropane	U	J0	0.00613	0.0301	1	09/24/2019 06:11	WG1350809
1,2-Dibromoethane	U		0.000631	0.00301	1	09/24/2019 06:11	WG1350809
Dibromomethane	U		0.00120	0.00601	1	09/24/2019 06:11	WG1350809
1,2-Dichlorobenzene	U		0.00174	0.00601	1	09/24/2019 06:11	WG1350809
1,3-Dichlorobenzene	U		0.00204	0.00601	1	09/24/2019 06:11	WG1350809
1,4-Dichlorobenzene	U		0.00237	0.00601	1	09/24/2019 06:11	WG1350809
Dichlorodifluoromethane	U		0.000984	0.00301	1	09/24/2019 06:11	WG1350809
1,1-Dichloroethane	U		0.000691	0.00301	1	09/24/2019 06:11	WG1350809
1,2-Dichloroethane	U		0.000571	0.00301	1	09/24/2019 06:11	WG1350809
1,1-Dichloroethene	U		0.000601	0.00301	1	09/24/2019 06:11	WG1350809
cis-1,2-Dichloroethene	U		0.000830	0.00301	1	09/24/2019 06:11	WG1350809
trans-1,2-Dichloroethene	U		0.00172	0.00601	1	09/24/2019 06:11	WG1350809
1,2-Dichloropropane	U		0.00153	0.00601	1	09/24/2019 06:11	WG1350809
1,1-Dichloropropene	U		0.000842	0.00301	1	09/24/2019 06:11	WG1350809
1,3-Dichloropropane	U		0.00210	0.00601	1	09/24/2019 06:11	WG1350809
cis-1,3-Dichloropropene	U		0.000815	0.00301	1	09/24/2019 06:11	WG1350809
trans-1,3-Dichloropropene	U		0.00184	0.00601	1	09/24/2019 06:11	WG1350809
trans-1,4-Dichloro-2-butene	U		0.00168	0.00601	1	09/24/2019 06:11	WG1350809
2,2-Dichloropropane	U		0.000954	0.00301	1	09/24/2019 06:11	WG1350809
Di-isopropyl ether	U		0.000421	0.00120	1	09/24/2019 06:11	WG1350809
Ethylbenzene	U		0.000637	0.00301	1	09/24/2019 06:11	WG1350809
Hexachloro-1,3-butadiene	U		0.0153	0.0301	1	09/24/2019 06:11	WG1350809
2-Hexanone	U		0.0120	0.0301	1	09/24/2019 06:11	WG1350809
n-Hexane	0.00311	J J0	0.00127	0.00601	1	09/24/2019 06:11	WG1350809
Iodomethane	U		0.00727	0.0150	1	09/24/2019 06:11	WG1350809
Isopropylbenzene	U		0.00104	0.00301	1	09/24/2019 06:11	WG1350809
p-Isopropyltoluene	U		0.00280	0.00601	1	09/24/2019 06:11	WG1350809
2-Butanone (MEK)	U	J0	0.0150	0.0301	1	09/24/2019 06:11	WG1350809
Methylene Chloride	U		0.00798	0.0301	1	09/24/2019 06:11	WG1350809
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.0301	1	09/24/2019 06:11	WG1350809

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000355	0.00120	1	09/24/2019 06:11	WG1350809
Naphthalene	U		0.00375	0.0150	1	09/24/2019 06:11	WG1350809
n-Propylbenzene	U		0.00142	0.00601	1	09/24/2019 06:11	WG1350809
Styrene	U		0.00328	0.0150	1	09/24/2019 06:11	WG1350809
1,1,1,2-Tetrachloroethane	U		0.000601	0.00301	1	09/24/2019 06:11	WG1350809
1,1,2,2-Tetrachloroethane	U	J0	0.000469	0.00301	1	09/24/2019 06:11	WG1350809
1,1,2-Trichlorotrifluoroethane	U		0.000812	0.00301	1	09/24/2019 06:11	WG1350809
Tetrachloroethene	U		0.000842	0.00301	1	09/24/2019 06:11	WG1350809
Toluene	0.00798		0.00150	0.00601	1	09/24/2019 06:11	WG1350809
1,2,3-Trichlorobenzene	U		0.000752	0.00301	1	09/24/2019 06:11	WG1350809
1,2,4-Trichlorobenzene	U		0.00580	0.0150	1	09/24/2019 06:11	WG1350809
1,1,1-Trichloroethane	U		0.000331	0.00301	1	09/24/2019 06:11	WG1350809
1,1,2-Trichloroethane	U		0.00106	0.00301	1	09/24/2019 06:11	WG1350809
Trichloroethene	U		0.000481	0.00120	1	09/24/2019 06:11	WG1350809
Trichlorofluoromethane	U		0.000601	0.00301	1	09/24/2019 06:11	WG1350809
1,2,3-Trichloropropane	U		0.00613	0.0150	1	09/24/2019 06:11	WG1350809
1,2,4-Trimethylbenzene	U		0.00139	0.00601	1	09/24/2019 06:11	WG1350809
1,2,3-Trimethylbenzene	U		0.00138	0.00601	1	09/24/2019 06:11	WG1350809
1,3,5-Trimethylbenzene	U		0.00130	0.00601	1	09/24/2019 06:11	WG1350809
Vinyl acetate	U	J0	0.00423	0.0150	1	09/24/2019 06:11	WG1350809
Vinyl chloride	U		0.000821	0.00301	1	09/24/2019 06:11	WG1350809
Xylenes, Total	U		0.00575	0.00782	1	09/24/2019 06:11	WG1350809
(S) Toluene-d8	*114*			*75.0-131*		*09/24/2019 06:11*	WG1350809
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/24/2019 06:11*	WG1350809
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*09/24/2019 06:11*	WG1350809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	09/25/2019 16:26	WG1351915

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0345	B	0.0160	0.0292	1	09/24/2019 06:32	WG1350809
Acrylonitrile	U	J0	0.00222	0.0146	1	09/24/2019 06:32	WG1350809
Benzene	U		0.000466	0.00117	1	09/24/2019 06:32	WG1350809
Bromobenzene	U		0.00122	0.0146	1	09/24/2019 06:32	WG1350809
Bromodichloromethane	U		0.000919	0.00292	1	09/24/2019 06:32	WG1350809
Bromochloromethane	U		0.00132	0.00583	1	09/24/2019 06:32	WG1350809
Bromoform	U		0.00697	0.0292	1	09/24/2019 06:32	WG1350809
Bromomethane	U		0.00431	0.0146	1	09/24/2019 06:32	WG1350809
n-Butylbenzene	U		0.00448	0.0146	1	09/24/2019 06:32	WG1350809
sec-Butylbenzene	U		0.00295	0.0146	1	09/24/2019 06:32	WG1350809
tert-Butylbenzene	U		0.00181	0.00583	1	09/24/2019 06:32	WG1350809
Carbon disulfide	U	J0	0.00473	0.0146	1	09/24/2019 06:32	WG1350809
Carbon tetrachloride	U		0.00126	0.00583	1	09/24/2019 06:32	WG1350809
Chlorobenzene	U		0.000668	0.00292	1	09/24/2019 06:32	WG1350809
Chlorodibromomethane	U		0.000525	0.00292	1	09/24/2019 06:32	WG1350809
Chloroethane	U		0.00126	0.00583	1	09/24/2019 06:32	WG1350809
Chloroform	U		0.000484	0.00292	1	09/24/2019 06:32	WG1350809
Chloromethane	U		0.00162	0.0146	1	09/24/2019 06:32	WG1350809
2-Chlorotoluene	U		0.00107	0.00292	1	09/24/2019 06:32	WG1350809
4-Chlorotoluene	U		0.00132	0.00583	1	09/24/2019 06:32	WG1350809
1,2-Dibromo-3-Chloropropane	U	J0	0.00595	0.0292	1	09/24/2019 06:32	WG1350809
1,2-Dibromoethane	U		0.000612	0.00292	1	09/24/2019 06:32	WG1350809
Dibromomethane	U		0.00117	0.00583	1	09/24/2019 06:32	WG1350809
1,2-Dichlorobenzene	U		0.00169	0.00583	1	09/24/2019 06:32	WG1350809
1,3-Dichlorobenzene	U		0.00198	0.00583	1	09/24/2019 06:32	WG1350809
1,4-Dichlorobenzene	U		0.00230	0.00583	1	09/24/2019 06:32	WG1350809
Dichlorodifluoromethane	U		0.000954	0.00292	1	09/24/2019 06:32	WG1350809
1,1-Dichloroethane	U		0.000670	0.00292	1	09/24/2019 06:32	WG1350809
1,2-Dichloroethane	U		0.000554	0.00292	1	09/24/2019 06:32	WG1350809
1,1-Dichloroethene	U		0.000583	0.00292	1	09/24/2019 06:32	WG1350809
cis-1,2-Dichloroethene	0.00706		0.000805	0.00292	1	09/24/2019 06:32	WG1350809
trans-1,2-Dichloroethene	U		0.00167	0.00583	1	09/24/2019 06:32	WG1350809
1,2-Dichloropropane	U		0.00148	0.00583	1	09/24/2019 06:32	WG1350809
1,1-Dichloropropene	U		0.000816	0.00292	1	09/24/2019 06:32	WG1350809
1,3-Dichloropropane	U		0.00204	0.00583	1	09/24/2019 06:32	WG1350809
cis-1,3-Dichloropropene	U		0.000791	0.00292	1	09/24/2019 06:32	WG1350809
trans-1,3-Dichloropropene	U		0.00178	0.00583	1	09/24/2019 06:32	WG1350809
trans-1,4-Dichloro-2-butene	U		0.00163	0.00583	1	09/24/2019 06:32	WG1350809
2,2-Dichloropropane	U		0.000925	0.00292	1	09/24/2019 06:32	WG1350809
Di-isopropyl ether	U		0.000408	0.00117	1	09/24/2019 06:32	WG1350809
Ethylbenzene	U		0.000618	0.00292	1	09/24/2019 06:32	WG1350809
Hexachloro-1,3-butadiene	U		0.0148	0.0292	1	09/24/2019 06:32	WG1350809
2-Hexanone	U		0.0117	0.0292	1	09/24/2019 06:32	WG1350809
n-Hexane	0.00536	J J0	0.00124	0.00583	1	09/24/2019 06:32	WG1350809
Iodomethane	U		0.00705	0.0146	1	09/24/2019 06:32	WG1350809
Isopropylbenzene	U		0.00101	0.00292	1	09/24/2019 06:32	WG1350809
p-Isopropyltoluene	U		0.00272	0.00583	1	09/24/2019 06:32	WG1350809
2-Butanone (MEK)	U	J0	0.0146	0.0292	1	09/24/2019 06:32	WG1350809
Methylene Chloride	U		0.00774	0.0292	1	09/24/2019 06:32	WG1350809
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0292	1	09/24/2019 06:32	WG1350809

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000344	0.00117	1	09/24/2019 06:32	WG1350809
Naphthalene	U		0.00364	0.0146	1	09/24/2019 06:32	WG1350809
n-Propylbenzene	U		0.00138	0.00583	1	09/24/2019 06:32	WG1350809
Styrene	U		0.00318	0.0146	1	09/24/2019 06:32	WG1350809
1,1,1,2-Tetrachloroethane	U		0.000583	0.00292	1	09/24/2019 06:32	WG1350809
1,1,2,2-Tetrachloroethane	U	J0	0.000455	0.00292	1	09/24/2019 06:32	WG1350809
1,1,2-Trichlorotrifluoroethane	U		0.000787	0.00292	1	09/24/2019 06:32	WG1350809
Tetrachloroethene	U		0.000816	0.00292	1	09/24/2019 06:32	WG1350809
Toluene	0.00736		0.00146	0.00583	1	09/24/2019 06:32	WG1350809
1,2,3-Trichlorobenzene	U		0.000729	0.00292	1	09/24/2019 06:32	WG1350809
1,2,4-Trichlorobenzene	U		0.00562	0.0146	1	09/24/2019 06:32	WG1350809
1,1,1-Trichloroethane	U		0.000321	0.00292	1	09/24/2019 06:32	WG1350809
1,1,2-Trichloroethane	U		0.00103	0.00292	1	09/24/2019 06:32	WG1350809
Trichloroethene	U		0.000466	0.00117	1	09/24/2019 06:32	WG1350809
Trichlorofluoromethane	U		0.000583	0.00292	1	09/24/2019 06:32	WG1350809
1,2,3-Trichloropropane	U		0.00595	0.0146	1	09/24/2019 06:32	WG1350809
1,2,4-Trimethylbenzene	U		0.00135	0.00583	1	09/24/2019 06:32	WG1350809
1,2,3-Trimethylbenzene	U		0.00134	0.00583	1	09/24/2019 06:32	WG1350809
1,3,5-Trimethylbenzene	U		0.00126	0.00583	1	09/24/2019 06:32	WG1350809
Vinyl acetate	U	J0	0.00410	0.0146	1	09/24/2019 06:32	WG1350809
Vinyl chloride	U		0.000796	0.00292	1	09/24/2019 06:32	WG1350809
Xylenes, Total	U		0.00557	0.00758	1	09/24/2019 06:32	WG1350809
(S) Toluene-d8	*112*			*75.0-131*		*09/24/2019 06:32*	WG1350809
(S) 4-Bromofluorobenzene	*97.8*			*67.0-138*		*09/24/2019 06:32*	WG1350809
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*09/24/2019 06:32*	WG1350809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.0		1	09/25/2019 16:26	WG1351915

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0381	B	0.0165	0.0301	1	09/24/2019 06:52	WG1350809
Acrylonitrile	U	J0	0.00229	0.0151	1	09/24/2019 06:52	WG1350809
Benzene	0.0250		0.000482	0.00120	1	09/24/2019 06:52	WG1350809
Bromobenzene	U		0.00126	0.0151	1	09/24/2019 06:52	WG1350809
Bromodichloromethane	U		0.000949	0.00301	1	09/24/2019 06:52	WG1350809
Bromochloromethane	U		0.00136	0.00602	1	09/24/2019 06:52	WG1350809
Bromoform	U		0.00720	0.0301	1	09/24/2019 06:52	WG1350809
Bromomethane	U		0.00446	0.0151	1	09/24/2019 06:52	WG1350809
n-Butylbenzene	U		0.00462	0.0151	1	09/24/2019 06:52	WG1350809
sec-Butylbenzene	U		0.00305	0.0151	1	09/24/2019 06:52	WG1350809
tert-Butylbenzene	U		0.00187	0.00602	1	09/24/2019 06:52	WG1350809
Carbon disulfide	U	J0	0.00489	0.0151	1	09/24/2019 06:52	WG1350809
Carbon tetrachloride	U		0.00130	0.00602	1	09/24/2019 06:52	WG1350809
Chlorobenzene	U		0.000690	0.00301	1	09/24/2019 06:52	WG1350809
Chlorodibromomethane	U		0.000542	0.00301	1	09/24/2019 06:52	WG1350809
Chloroethane	U		0.00130	0.00602	1	09/24/2019 06:52	WG1350809
Chloroform	U		0.000500	0.00301	1	09/24/2019 06:52	WG1350809
Chloromethane	U		0.00167	0.0151	1	09/24/2019 06:52	WG1350809
2-Chlorotoluene	U		0.00111	0.00301	1	09/24/2019 06:52	WG1350809
4-Chlorotoluene	U		0.00136	0.00602	1	09/24/2019 06:52	WG1350809
1,2-Dibromo-3-Chloropropane	U	J0	0.00614	0.0301	1	09/24/2019 06:52	WG1350809
1,2-Dibromoethane	U		0.000632	0.00301	1	09/24/2019 06:52	WG1350809
Dibromomethane	U		0.00120	0.00602	1	09/24/2019 06:52	WG1350809
1,2-Dichlorobenzene	U		0.00175	0.00602	1	09/24/2019 06:52	WG1350809
1,3-Dichlorobenzene	U		0.00205	0.00602	1	09/24/2019 06:52	WG1350809
1,4-Dichlorobenzene	U		0.00237	0.00602	1	09/24/2019 06:52	WG1350809
Dichlorodifluoromethane	U		0.000985	0.00301	1	09/24/2019 06:52	WG1350809
1,1-Dichloroethane	U		0.000692	0.00301	1	09/24/2019 06:52	WG1350809
1,2-Dichloroethane	U		0.000572	0.00301	1	09/24/2019 06:52	WG1350809
1,1-Dichloroethene	U		0.000602	0.00301	1	09/24/2019 06:52	WG1350809
cis-1,2-Dichloroethene	0.0265		0.000831	0.00301	1	09/24/2019 06:52	WG1350809
trans-1,2-Dichloroethene	U		0.00172	0.00602	1	09/24/2019 06:52	WG1350809
1,2-Dichloropropane	U		0.00153	0.00602	1	09/24/2019 06:52	WG1350809
1,1-Dichloropropene	U		0.000843	0.00301	1	09/24/2019 06:52	WG1350809
1,3-Dichloropropane	U		0.00211	0.00602	1	09/24/2019 06:52	WG1350809
cis-1,3-Dichloropropene	U		0.000816	0.00301	1	09/24/2019 06:52	WG1350809
trans-1,3-Dichloropropene	U		0.00184	0.00602	1	09/24/2019 06:52	WG1350809
trans-1,4-Dichloro-2-butene	U		0.00169	0.00602	1	09/24/2019 06:52	WG1350809
2,2-Dichloropropane	U		0.000955	0.00301	1	09/24/2019 06:52	WG1350809
Di-isopropyl ether	U		0.000421	0.00120	1	09/24/2019 06:52	WG1350809
Ethylbenzene	U		0.000638	0.00301	1	09/24/2019 06:52	WG1350809
Hexachloro-1,3-butadiene	U		0.0153	0.0301	1	09/24/2019 06:52	WG1350809
2-Hexanone	U		0.0120	0.0301	1	09/24/2019 06:52	WG1350809
n-Hexane	U	J0	0.00128	0.00602	1	09/24/2019 06:52	WG1350809
Iodomethane	U		0.00728	0.0151	1	09/24/2019 06:52	WG1350809
Isopropylbenzene	U		0.00104	0.00301	1	09/24/2019 06:52	WG1350809
p-Isopropyltoluene	U		0.00281	0.00602	1	09/24/2019 06:52	WG1350809
2-Butanone (MEK)	U	J0	0.0151	0.0301	1	09/24/2019 06:52	WG1350809
Methylene Chloride	U		0.00800	0.0301	1	09/24/2019 06:52	WG1350809
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.0301	1	09/24/2019 06:52	WG1350809

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000355	0.00120	1	09/24/2019 06:52	WG1350809
Naphthalene	U		0.00376	0.0151	1	09/24/2019 06:52	WG1350809
n-Propylbenzene	U		0.00142	0.00602	1	09/24/2019 06:52	WG1350809
Styrene	U		0.00329	0.0151	1	09/24/2019 06:52	WG1350809
1,1,1,2-Tetrachloroethane	U		0.000602	0.00301	1	09/24/2019 06:52	WG1350809
1,1,2,2-Tetrachloroethane	U	J0	0.000470	0.00301	1	09/24/2019 06:52	WG1350809
1,1,2-Trichlorotrifluoroethane	U		0.000813	0.00301	1	09/24/2019 06:52	WG1350809
Tetrachloroethene	U		0.000843	0.00301	1	09/24/2019 06:52	WG1350809
Toluene	0.00601	J	0.00151	0.00602	1	09/24/2019 06:52	WG1350809
1,2,3-Trichlorobenzene	U		0.000753	0.00301	1	09/24/2019 06:52	WG1350809
1,2,4-Trichlorobenzene	U		0.00580	0.0151	1	09/24/2019 06:52	WG1350809
1,1,1-Trichloroethane	U		0.000331	0.00301	1	09/24/2019 06:52	WG1350809
1,1,2-Trichloroethane	U		0.00106	0.00301	1	09/24/2019 06:52	WG1350809
Trichloroethene	U		0.000482	0.00120	1	09/24/2019 06:52	WG1350809
Trichlorofluoromethane	U		0.000602	0.00301	1	09/24/2019 06:52	WG1350809
1,2,3-Trichloropropane	U		0.00614	0.0151	1	09/24/2019 06:52	WG1350809
1,2,4-Trimethylbenzene	U		0.00140	0.00602	1	09/24/2019 06:52	WG1350809
1,2,3-Trimethylbenzene	U		0.00138	0.00602	1	09/24/2019 06:52	WG1350809
1,3,5-Trimethylbenzene	U		0.00130	0.00602	1	09/24/2019 06:52	WG1350809
Vinyl acetate	U	J0	0.00424	0.0151	1	09/24/2019 06:52	WG1350809
Vinyl chloride	U		0.000822	0.00301	1	09/24/2019 06:52	WG1350809
Xylenes, Total	U		0.00576	0.00783	1	09/24/2019 06:52	WG1350809
(S) Toluene-d8	*110*			*75.0-131*		*09/24/2019 06:52*	WG1350809
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*09/24/2019 06:52*	WG1350809
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/24/2019 06:52*	WG1350809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.7		1	09/25/2019 16:26	WG1351915

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0426	B	0.0160	0.0292	1	09/24/2019 07:13	WG1350809
Acrylonitrile	U	J0	0.00222	0.0146	1	09/24/2019 07:13	WG1350809
Benzene	0.0475		0.000467	0.00117	1	09/24/2019 07:13	WG1350809
Bromobenzene	U		0.00122	0.0146	1	09/24/2019 07:13	WG1350809
Bromodichloromethane	U		0.000919	0.00292	1	09/24/2019 07:13	WG1350809
Bromochloromethane	U		0.00132	0.00583	1	09/24/2019 07:13	WG1350809
Bromoform	U		0.00697	0.0292	1	09/24/2019 07:13	WG1350809
Bromomethane	U		0.00432	0.0146	1	09/24/2019 07:13	WG1350809
n-Butylbenzene	U		0.00448	0.0146	1	09/24/2019 07:13	WG1350809
sec-Butylbenzene	U		0.00295	0.0146	1	09/24/2019 07:13	WG1350809
tert-Butylbenzene	U		0.00181	0.00583	1	09/24/2019 07:13	WG1350809
Carbon disulfide	U	J0	0.00474	0.0146	1	09/24/2019 07:13	WG1350809
Carbon tetrachloride	U		0.00126	0.00583	1	09/24/2019 07:13	WG1350809
Chlorobenzene	U		0.000668	0.00292	1	09/24/2019 07:13	WG1350809
Chlorodibromomethane	U		0.000525	0.00292	1	09/24/2019 07:13	WG1350809
Chloroethane	U		0.00126	0.00583	1	09/24/2019 07:13	WG1350809
Chloroform	U		0.000484	0.00292	1	09/24/2019 07:13	WG1350809
Chloromethane	U		0.00162	0.0146	1	09/24/2019 07:13	WG1350809
2-Chlorotoluene	U		0.00107	0.00292	1	09/24/2019 07:13	WG1350809
4-Chlorotoluene	U		0.00132	0.00583	1	09/24/2019 07:13	WG1350809
1,2-Dibromo-3-Chloropropane	U	J0	0.00595	0.0292	1	09/24/2019 07:13	WG1350809
1,2-Dibromoethane	U		0.000612	0.00292	1	09/24/2019 07:13	WG1350809
Dibromomethane	U		0.00117	0.00583	1	09/24/2019 07:13	WG1350809
1,2-Dichlorobenzene	U		0.00169	0.00583	1	09/24/2019 07:13	WG1350809
1,3-Dichlorobenzene	U		0.00198	0.00583	1	09/24/2019 07:13	WG1350809
1,4-Dichlorobenzene	U		0.00230	0.00583	1	09/24/2019 07:13	WG1350809
Dichlorodifluoromethane	U		0.000954	0.00292	1	09/24/2019 07:13	WG1350809
1,1-Dichloroethane	U		0.000671	0.00292	1	09/24/2019 07:13	WG1350809
1,2-Dichloroethane	U		0.000554	0.00292	1	09/24/2019 07:13	WG1350809
1,1-Dichloroethene	U		0.000583	0.00292	1	09/24/2019 07:13	WG1350809
cis-1,2-Dichloroethene	0.0192		0.000805	0.00292	1	09/24/2019 07:13	WG1350809
trans-1,2-Dichloroethene	U		0.00167	0.00583	1	09/24/2019 07:13	WG1350809
1,2-Dichloropropane	U		0.00148	0.00583	1	09/24/2019 07:13	WG1350809
1,1-Dichloropropene	U		0.000816	0.00292	1	09/24/2019 07:13	WG1350809
1,3-Dichloropropane	U		0.00204	0.00583	1	09/24/2019 07:13	WG1350809
cis-1,3-Dichloropropene	U		0.000791	0.00292	1	09/24/2019 07:13	WG1350809
trans-1,3-Dichloropropene	U		0.00178	0.00583	1	09/24/2019 07:13	WG1350809
trans-1,4-Dichloro-2-butene	U		0.00163	0.00583	1	09/24/2019 07:13	WG1350809
2,2-Dichloropropane	U		0.000925	0.00292	1	09/24/2019 07:13	WG1350809
Di-isopropyl ether	U		0.000408	0.00117	1	09/24/2019 07:13	WG1350809
Ethylbenzene	U		0.000618	0.00292	1	09/24/2019 07:13	WG1350809
Hexachloro-1,3-butadiene	U		0.0148	0.0292	1	09/24/2019 07:13	WG1350809
2-Hexanone	U		0.0117	0.0292	1	09/24/2019 07:13	WG1350809
n-Hexane	0.00357	J J0	0.00124	0.00583	1	09/24/2019 07:13	WG1350809
Iodomethane	U		0.00706	0.0146	1	09/24/2019 07:13	WG1350809
Isopropylbenzene	U		0.00101	0.00292	1	09/24/2019 07:13	WG1350809
p-Isopropyltoluene	U		0.00272	0.00583	1	09/24/2019 07:13	WG1350809
2-Butanone (MEK)	U	J0	0.0146	0.0292	1	09/24/2019 07:13	WG1350809
Methylene Chloride	U		0.00774	0.0292	1	09/24/2019 07:13	WG1350809
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0292	1	09/24/2019 07:13	WG1350809

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000344	0.00117	1	09/24/2019 07:13	WG1350809
Naphthalene	U		0.00364	0.0146	1	09/24/2019 07:13	WG1350809
n-Propylbenzene	U		0.00138	0.00583	1	09/24/2019 07:13	WG1350809
Styrene	U		0.00318	0.0146	1	09/24/2019 07:13	WG1350809
1,1,1,2-Tetrachloroethane	U		0.000583	0.00292	1	09/24/2019 07:13	WG1350809
1,1,2,2-Tetrachloroethane	U	J0	0.000455	0.00292	1	09/24/2019 07:13	WG1350809
1,1,2-Trichlorotrifluoroethane	U		0.000787	0.00292	1	09/24/2019 07:13	WG1350809
Tetrachloroethene	U		0.000816	0.00292	1	09/24/2019 07:13	WG1350809
Toluene	0.00701		0.00146	0.00583	1	09/24/2019 07:13	WG1350809
1,2,3-Trichlorobenzene	U		0.000729	0.00292	1	09/24/2019 07:13	WG1350809
1,2,4-Trichlorobenzene	U		0.00562	0.0146	1	09/24/2019 07:13	WG1350809
1,1,1-Trichloroethane	U		0.000321	0.00292	1	09/24/2019 07:13	WG1350809
1,1,2-Trichloroethane	U		0.00103	0.00292	1	09/24/2019 07:13	WG1350809
Trichloroethene	U		0.000467	0.00117	1	09/24/2019 07:13	WG1350809
Trichlorofluoromethane	U		0.000583	0.00292	1	09/24/2019 07:13	WG1350809
1,2,3-Trichloropropane	U		0.00595	0.0146	1	09/24/2019 07:13	WG1350809
1,2,4-Trimethylbenzene	U		0.00135	0.00583	1	09/24/2019 07:13	WG1350809
1,2,3-Trimethylbenzene	U		0.00134	0.00583	1	09/24/2019 07:13	WG1350809
1,3,5-Trimethylbenzene	U		0.00126	0.00583	1	09/24/2019 07:13	WG1350809
Vinyl acetate	U	J0	0.00411	0.0146	1	09/24/2019 07:13	WG1350809
Vinyl chloride	U		0.000797	0.00292	1	09/24/2019 07:13	WG1350809
Xylenes, Total	U		0.00558	0.00758	1	09/24/2019 07:13	WG1350809
(S) Toluene-d8	*110*			*75.0-131*		*09/24/2019 07:13*	WG1350809
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*09/24/2019 07:13*	WG1350809
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/24/2019 07:13*	WG1350809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.8		1	09/25/2019 16:26	WG1351915

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0557		0.0181	0.0330	1	09/24/2019 13:58	WG1350958
Acrylonitrile	U	J0	0.00251	0.0165	1	09/24/2019 13:58	WG1350958
Benzene	0.0407		0.000528	0.00132	1	09/24/2019 13:58	WG1350958
Bromobenzene	U		0.00139	0.0165	1	09/24/2019 13:58	WG1350958
Bromodichloromethane	U		0.00104	0.00330	1	09/24/2019 13:58	WG1350958
Bromochloromethane	U		0.00149	0.00660	1	09/24/2019 13:58	WG1350958
Bromoform	U		0.00789	0.0330	1	09/24/2019 13:58	WG1350958
Bromomethane	U		0.00488	0.0165	1	09/24/2019 13:58	WG1350958
n-Butylbenzene	U		0.00507	0.0165	1	09/24/2019 13:58	WG1350958
sec-Butylbenzene	U		0.00334	0.0165	1	09/24/2019 13:58	WG1350958
tert-Butylbenzene	U		0.00204	0.00660	1	09/24/2019 13:58	WG1350958
Carbon disulfide	U		0.00536	0.0165	1	09/24/2019 13:58	WG1350958
Carbon tetrachloride	U		0.00142	0.00660	1	09/24/2019 13:58	WG1350958
Chlorobenzene	U		0.000756	0.00330	1	09/24/2019 13:58	WG1350958
Chlorodibromomethane	U		0.000594	0.00330	1	09/24/2019 13:58	WG1350958
Chloroethane	U		0.00142	0.00660	1	09/24/2019 13:58	WG1350958
Chloroform	U		0.000547	0.00330	1	09/24/2019 13:58	WG1350958
Chloromethane	U		0.00183	0.0165	1	09/24/2019 13:58	WG1350958
2-Chlorotoluene	U		0.00121	0.00330	1	09/24/2019 13:58	WG1350958
4-Chlorotoluene	U		0.00149	0.00660	1	09/24/2019 13:58	WG1350958
1,2-Dibromo-3-Chloropropane	U	J0	0.00673	0.0330	1	09/24/2019 13:58	WG1350958
1,2-Dibromoethane	U		0.000693	0.00330	1	09/24/2019 13:58	WG1350958
Dibromomethane	U		0.00132	0.00660	1	09/24/2019 13:58	WG1350958
1,2-Dichlorobenzene	U		0.00191	0.00660	1	09/24/2019 13:58	WG1350958
1,3-Dichlorobenzene	U		0.00224	0.00660	1	09/24/2019 13:58	WG1350958
1,4-Dichlorobenzene	U		0.00260	0.00660	1	09/24/2019 13:58	WG1350958
Dichlorodifluoromethane	U		0.00108	0.00330	1	09/24/2019 13:58	WG1350958
1,1-Dichloroethane	U		0.000759	0.00330	1	09/24/2019 13:58	WG1350958
1,2-Dichloroethane	U		0.000627	0.00330	1	09/24/2019 13:58	WG1350958
1,1-Dichloroethene	U		0.000660	0.00330	1	09/24/2019 13:58	WG1350958
cis-1,2-Dichloroethene	0.0204		0.000910	0.00330	1	09/24/2019 13:58	WG1350958
trans-1,2-Dichloroethene	U		0.00189	0.00660	1	09/24/2019 13:58	WG1350958
1,2-Dichloropropane	U		0.00168	0.00660	1	09/24/2019 13:58	WG1350958
1,1-Dichloropropene	U		0.000923	0.00330	1	09/24/2019 13:58	WG1350958
1,3-Dichloropropane	U		0.00231	0.00660	1	09/24/2019 13:58	WG1350958
cis-1,3-Dichloropropene	U		0.000894	0.00330	1	09/24/2019 13:58	WG1350958
trans-1,3-Dichloropropene	U		0.00202	0.00660	1	09/24/2019 13:58	WG1350958
trans-1,4-Dichloro-2-butene	U		0.00185	0.00660	1	09/24/2019 13:58	WG1350958
2,2-Dichloropropane	U		0.00105	0.00330	1	09/24/2019 13:58	WG1350958
Di-isopropyl ether	U		0.000462	0.00132	1	09/24/2019 13:58	WG1350958
Ethylbenzene	U		0.000699	0.00330	1	09/24/2019 13:58	WG1350958
Hexachloro-1,3-butadiene	U		0.0168	0.0330	1	09/24/2019 13:58	WG1350958
2-Hexanone	U	J0	0.0132	0.0330	1	09/24/2019 13:58	WG1350958
n-Hexane	U	J0	0.00140	0.00660	1	09/24/2019 13:58	WG1350958
Iodomethane	U		0.00798	0.0165	1	09/24/2019 13:58	WG1350958
Isopropylbenzene	U		0.00114	0.00330	1	09/24/2019 13:58	WG1350958
p-Isopropyltoluene	U		0.00307	0.00660	1	09/24/2019 13:58	WG1350958
2-Butanone (MEK)	U		0.0165	0.0330	1	09/24/2019 13:58	WG1350958
Methylene Chloride	U		0.00876	0.0330	1	09/24/2019 13:58	WG1350958
4-Methyl-2-pentanone (MIBK)	U		0.0132	0.0330	1	09/24/2019 13:58	WG1350958

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 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000389	0.00132	1	09/24/2019 13:58	WG1350958
Naphthalene	U		0.00412	0.0165	1	09/24/2019 13:58	WG1350958
n-Propylbenzene	U		0.00156	0.00660	1	09/24/2019 13:58	WG1350958
Styrene	U		0.00360	0.0165	1	09/24/2019 13:58	WG1350958
1,1,1,2-Tetrachloroethane	U		0.000660	0.00330	1	09/24/2019 13:58	WG1350958
1,1,2,2-Tetrachloroethane	U	J0 J4	0.000515	0.00330	1	09/24/2019 13:58	WG1350958
1,1,2-Trichlorotrifluoroethane	U		0.000890	0.00330	1	09/24/2019 13:58	WG1350958
Tetrachloroethene	U		0.000923	0.00330	1	09/24/2019 13:58	WG1350958
Toluene	0.00605	J	0.00165	0.00660	1	09/24/2019 13:58	WG1350958
1,2,3-Trichlorobenzene	U		0.000825	0.00330	1	09/24/2019 13:58	WG1350958
1,2,4-Trichlorobenzene	U		0.00636	0.0165	1	09/24/2019 13:58	WG1350958
1,1,1-Trichloroethane	U		0.000363	0.00330	1	09/24/2019 13:58	WG1350958
1,1,2-Trichloroethane	U		0.00116	0.00330	1	09/24/2019 13:58	WG1350958
Trichloroethene	U		0.000528	0.00132	1	09/24/2019 13:58	WG1350958
Trichlorofluoromethane	U		0.000660	0.00330	1	09/24/2019 13:58	WG1350958
1,2,3-Trichloropropane	U		0.00673	0.0165	1	09/24/2019 13:58	WG1350958
1,2,4-Trimethylbenzene	U		0.00153	0.00660	1	09/24/2019 13:58	WG1350958
1,2,3-Trimethylbenzene	U		0.00152	0.00660	1	09/24/2019 13:58	WG1350958
1,3,5-Trimethylbenzene	U		0.00142	0.00660	1	09/24/2019 13:58	WG1350958
Vinyl acetate	U	J0	0.00464	0.0165	1	09/24/2019 13:58	WG1350958
Vinyl chloride	U		0.000901	0.00330	1	09/24/2019 13:58	WG1350958
Xylenes, Total	U		0.00631	0.00858	1	09/24/2019 13:58	WG1350958
(S) Toluene-d8	*110*			*75.0-131*		*09/24/2019 13:58*	WG1350958
(S) 4-Bromofluorobenzene	*99.5*			*67.0-138*		*09/24/2019 13:58*	WG1350958
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/24/2019 13:58*	WG1350958

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.14	B J J0	1.05	25.0	1	09/25/2019 13:13	WG1351851
Acrylonitrile	U	J0	0.873	5.00	1	09/25/2019 13:13	WG1351851
Benzene	U		0.0896	0.500	1	09/25/2019 13:13	WG1351851
Bromobenzene	U		0.133	0.500	1	09/25/2019 13:13	WG1351851
Bromodichloromethane	U		0.0800	0.500	1	09/25/2019 13:13	WG1351851
Bromochloromethane	U		0.145	0.500	1	09/25/2019 13:13	WG1351851
Bromoform	U		0.186	0.500	1	09/25/2019 13:13	WG1351851
Bromomethane	U		0.157	2.50	1	09/25/2019 13:13	WG1351851
n-Butylbenzene	U		0.143	0.500	1	09/25/2019 13:13	WG1351851
sec-Butylbenzene	U		0.134	0.500	1	09/25/2019 13:13	WG1351851
tert-Butylbenzene	U		0.183	0.500	1	09/25/2019 13:13	WG1351851
Carbon disulfide	U		0.101	0.500	1	09/25/2019 13:13	WG1351851
Carbon tetrachloride	U		0.159	0.500	1	09/25/2019 13:13	WG1351851
Chlorobenzene	U		0.140	0.500	1	09/25/2019 13:13	WG1351851
Chlorodibromomethane	U		0.128	0.500	1	09/25/2019 13:13	WG1351851
Chloroethane	U		0.141	2.50	1	09/25/2019 13:13	WG1351851
Chloroform	U		0.0860	0.500	1	09/25/2019 13:13	WG1351851
Chloromethane	U		0.153	1.25	1	09/25/2019 13:13	WG1351851
2-Chlorotoluene	U		0.111	0.500	1	09/25/2019 13:13	WG1351851
4-Chlorotoluene	U		0.0972	0.500	1	09/25/2019 13:13	WG1351851
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/25/2019 13:13	WG1351851
1,2-Dibromoethane	U		0.193	0.500	1	09/25/2019 13:13	WG1351851
Dibromomethane	U		0.117	0.500	1	09/25/2019 13:13	WG1351851
1,2-Dichlorobenzene	U		0.101	0.500	1	09/25/2019 13:13	WG1351851
1,3-Dichlorobenzene	U		0.130	0.500	1	09/25/2019 13:13	WG1351851
1,4-Dichlorobenzene	U		0.121	0.500	1	09/25/2019 13:13	WG1351851
Dichlorodifluoromethane	U		0.127	2.50	1	09/25/2019 13:13	WG1351851
1,1-Dichloroethane	U		0.114	0.500	1	09/25/2019 13:13	WG1351851
1,2-Dichloroethane	U		0.108	0.500	1	09/25/2019 13:13	WG1351851
1,1-Dichloroethene	U		0.188	0.500	1	09/25/2019 13:13	WG1351851
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/25/2019 13:13	WG1351851
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/25/2019 13:13	WG1351851
1,2-Dichloropropane	U		0.190	0.500	1	09/25/2019 13:13	WG1351851
1,1-Dichloropropene	U		0.128	0.500	1	09/25/2019 13:13	WG1351851
1,3-Dichloropropane	U		0.147	1.00	1	09/25/2019 13:13	WG1351851
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/25/2019 13:13	WG1351851
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/25/2019 13:13	WG1351851
trans-1,4-Dichloro-2-butene	U	J0 J4	0.257	5.00	1	09/25/2019 13:13	WG1351851
2,2-Dichloropropane	U		0.0929	0.500	1	09/25/2019 13:13	WG1351851
Di-isopropyl ether	U		0.0924	0.500	1	09/25/2019 13:13	WG1351851
Ethylbenzene	U		0.158	0.500	1	09/25/2019 13:13	WG1351851
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/25/2019 13:13	WG1351851
2-Hexanone	U		0.757	5.00	1	09/25/2019 13:13	WG1351851
n-Hexane	U		0.305	5.00	1	09/25/2019 13:13	WG1351851
Iodomethane	U		0.377	10.0	1	09/25/2019 13:13	WG1351851
Isopropylbenzene	U		0.126	0.500	1	09/25/2019 13:13	WG1351851
p-Isopropyltoluene	U		0.138	0.500	1	09/25/2019 13:13	WG1351851
2-Butanone (MEK)	U	J0	1.28	5.00	1	09/25/2019 13:13	WG1351851
Methylene Chloride	U		1.07	2.50	1	09/25/2019 13:13	WG1351851
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/25/2019 13:13	WG1351851
Methyl tert-butyl ether	U		0.102	0.500	1	09/25/2019 13:13	WG1351851
Naphthalene	U		0.174	2.50	1	09/25/2019 13:13	WG1351851
n-Propylbenzene	U		0.162	0.500	1	09/25/2019 13:13	WG1351851
Styrene	U		0.117	0.500	1	09/25/2019 13:13	WG1351851
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/25/2019 13:13	WG1351851
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/25/2019 13:13	WG1351851

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/25/2019 13:13	WG1351851
Tetrachloroethene	U		0.199	0.500	1	09/25/2019 13:13	WG1351851
Toluene	U		0.412	0.500	1	09/25/2019 13:13	WG1351851
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/25/2019 13:13	WG1351851
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/25/2019 13:13	WG1351851
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/25/2019 13:13	WG1351851
1,1,2-Trichloroethane	U		0.186	0.500	1	09/25/2019 13:13	WG1351851
Trichloroethene	U		0.153	0.500	1	09/25/2019 13:13	WG1351851
Trichlorofluoromethane	U		0.130	2.50	1	09/25/2019 13:13	WG1351851
1,2,3-Trichloropropane	U	J0	0.247	2.50	1	09/25/2019 13:13	WG1351851
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/25/2019 13:13	WG1351851
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/25/2019 13:13	WG1351851
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/25/2019 13:13	WG1351851
Vinyl acetate	U	J3	0.645	5.00	1	09/25/2019 13:13	WG1351851
Vinyl chloride	U		0.118	0.500	1	09/25/2019 13:13	WG1351851
Xylenes, Total	U		0.316	1.50	1	09/25/2019 13:13	WG1351851
(S) Toluene-d8	*100*			*80.0-120*		*09/25/2019 13:13*	WG1351851
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*09/25/2019 13:13*	WG1351851
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/25/2019 13:13*	WG1351851

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.3		1	09/25/2019 16:26	WG1351915

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0719		0.0166	0.0304	1	09/24/2019 14:18	WG1350958
Acrylonitrile	U	J0	0.00231	0.0152	1	09/24/2019 14:18	WG1350958
Benzene	0.0240		0.000486	0.00121	1	09/24/2019 14:18	WG1350958
Bromobenzene	U		0.00128	0.0152	1	09/24/2019 14:18	WG1350958
Bromodichloromethane	U		0.000957	0.00304	1	09/24/2019 14:18	WG1350958
Bromochloromethane	U		0.00137	0.00607	1	09/24/2019 14:18	WG1350958
Bromoform	U		0.00726	0.0304	1	09/24/2019 14:18	WG1350958
Bromomethane	U		0.00449	0.0152	1	09/24/2019 14:18	WG1350958
n-Butylbenzene	U		0.00466	0.0152	1	09/24/2019 14:18	WG1350958
sec-Butylbenzene	U		0.00307	0.0152	1	09/24/2019 14:18	WG1350958
tert-Butylbenzene	U		0.00188	0.00607	1	09/24/2019 14:18	WG1350958
Carbon disulfide	U		0.00493	0.0152	1	09/24/2019 14:18	WG1350958
Carbon tetrachloride	U		0.00131	0.00607	1	09/24/2019 14:18	WG1350958
Chlorobenzene	U		0.000696	0.00304	1	09/24/2019 14:18	WG1350958
Chlorodibromomethane	U		0.000547	0.00304	1	09/24/2019 14:18	WG1350958
Chloroethane	U		0.00131	0.00607	1	09/24/2019 14:18	WG1350958
Chloroform	U		0.000504	0.00304	1	09/24/2019 14:18	WG1350958
Chloromethane	U		0.00169	0.0152	1	09/24/2019 14:18	WG1350958
2-Chlorotoluene	U		0.00112	0.00304	1	09/24/2019 14:18	WG1350958
4-Chlorotoluene	U		0.00137	0.00607	1	09/24/2019 14:18	WG1350958
1,2-Dibromo-3-Chloropropane	U	J0	0.00620	0.0304	1	09/24/2019 14:18	WG1350958
1,2-Dibromoethane	U		0.000638	0.00304	1	09/24/2019 14:18	WG1350958
Dibromomethane	U		0.00121	0.00607	1	09/24/2019 14:18	WG1350958
1,2-Dichlorobenzene	U		0.00176	0.00607	1	09/24/2019 14:18	WG1350958
1,3-Dichlorobenzene	U		0.00207	0.00607	1	09/24/2019 14:18	WG1350958
1,4-Dichlorobenzene	U		0.00239	0.00607	1	09/24/2019 14:18	WG1350958
Dichlorodifluoromethane	U		0.000994	0.00304	1	09/24/2019 14:18	WG1350958
1,1-Dichloroethane	U		0.000698	0.00304	1	09/24/2019 14:18	WG1350958
1,2-Dichloroethane	U		0.000577	0.00304	1	09/24/2019 14:18	WG1350958
1,1-Dichloroethene	U		0.000607	0.00304	1	09/24/2019 14:18	WG1350958
cis-1,2-Dichloroethene	0.103		0.000838	0.00304	1	09/24/2019 14:18	WG1350958
trans-1,2-Dichloroethene	U		0.00174	0.00607	1	09/24/2019 14:18	WG1350958
1,2-Dichloropropane	U		0.00154	0.00607	1	09/24/2019 14:18	WG1350958
1,1-Dichloropropene	U		0.000850	0.00304	1	09/24/2019 14:18	WG1350958
1,3-Dichloropropane	U		0.00213	0.00607	1	09/24/2019 14:18	WG1350958
cis-1,3-Dichloropropene	U		0.000824	0.00304	1	09/24/2019 14:18	WG1350958
trans-1,3-Dichloropropene	U		0.00186	0.00607	1	09/24/2019 14:18	WG1350958
trans-1,4-Dichloro-2-butene	U		0.00170	0.00607	1	09/24/2019 14:18	WG1350958
2,2-Dichloropropane	U		0.000963	0.00304	1	09/24/2019 14:18	WG1350958
Di-isopropyl ether	U		0.000425	0.00121	1	09/24/2019 14:18	WG1350958
Ethylbenzene	U		0.000644	0.00304	1	09/24/2019 14:18	WG1350958
Hexachloro-1,3-butadiene	U		0.0154	0.0304	1	09/24/2019 14:18	WG1350958
2-Hexanone	U	J0	0.0121	0.0304	1	09/24/2019 14:18	WG1350958
n-Hexane	U	J0	0.00129	0.00607	1	09/24/2019 14:18	WG1350958
Iodomethane	U		0.00735	0.0152	1	09/24/2019 14:18	WG1350958
Isopropylbenzene	U		0.00105	0.00304	1	09/24/2019 14:18	WG1350958
p-Isopropyltoluene	U		0.00283	0.00607	1	09/24/2019 14:18	WG1350958
2-Butanone (MEK)	0.0156	J	0.0152	0.0304	1	09/24/2019 14:18	WG1350958
Methylene Chloride	U		0.00807	0.0304	1	09/24/2019 14:18	WG1350958
4-Methyl-2-pentanone (MIBK)	U		0.0121	0.0304	1	09/24/2019 14:18	WG1350958

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000358	0.00121	1	09/24/2019 14:18	WG1350958
Naphthalene	U		0.00379	0.0152	1	09/24/2019 14:18	WG1350958
n-Propylbenzene	U		0.00143	0.00607	1	09/24/2019 14:18	WG1350958
Styrene	U		0.00332	0.0152	1	09/24/2019 14:18	WG1350958
1,1,1,2-Tetrachloroethane	U		0.000607	0.00304	1	09/24/2019 14:18	WG1350958
1,1,2,2-Tetrachloroethane	U	J0 J4	0.000474	0.00304	1	09/24/2019 14:18	WG1350958
1,1,2-Trichlorotrifluoroethane	U		0.000820	0.00304	1	09/24/2019 14:18	WG1350958
Tetrachloroethene	U		0.000850	0.00304	1	09/24/2019 14:18	WG1350958
Toluene	0.00376	J	0.00152	0.00607	1	09/24/2019 14:18	WG1350958
1,2,3-Trichlorobenzene	U		0.000759	0.00304	1	09/24/2019 14:18	WG1350958
1,2,4-Trichlorobenzene	U		0.00586	0.0152	1	09/24/2019 14:18	WG1350958
1,1,1-Trichloroethane	U		0.000334	0.00304	1	09/24/2019 14:18	WG1350958
1,1,2-Trichloroethane	U		0.00107	0.00304	1	09/24/2019 14:18	WG1350958
Trichloroethene	U		0.000486	0.00121	1	09/24/2019 14:18	WG1350958
Trichlorofluoromethane	U		0.000607	0.00304	1	09/24/2019 14:18	WG1350958
1,2,3-Trichloropropane	U		0.00620	0.0152	1	09/24/2019 14:18	WG1350958
1,2,4-Trimethylbenzene	U		0.00141	0.00607	1	09/24/2019 14:18	WG1350958
1,2,3-Trimethylbenzene	U		0.00140	0.00607	1	09/24/2019 14:18	WG1350958
1,3,5-Trimethylbenzene	U		0.00131	0.00607	1	09/24/2019 14:18	WG1350958
Vinyl acetate	U	J0	0.00428	0.0152	1	09/24/2019 14:18	WG1350958
Vinyl chloride	U		0.000830	0.00304	1	09/24/2019 14:18	WG1350958
Xylenes, Total	U		0.00581	0.00790	1	09/24/2019 14:18	WG1350958
(S) Toluene-d8	*109*			*75.0-131*		*09/24/2019 14:18*	WG1350958
(S) 4-Bromofluorobenzene	*99.3*			*67.0-138*		*09/24/2019 14:18*	WG1350958
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/24/2019 14:18*	WG1350958

Method Blank (MB)

(MB) R3454832-1 09/25/19 15:37

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

L1141285-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1141285-03 09/25/19 15:37 • (DUP) R3454832-3 09/25/19 15:37

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	81.5	86.1	1	5.57		10

Laboratory Control Sample (LCS)

(LCS) R3454832-2 09/25/19 15:37

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	49.9	99.9	85.0-115	

Method Blank (MB)

(MB) R3454836-1 09/25/19 16:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

L1141287-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1141287-02 09/25/19 16:26 • (DUP) R3454836-3 09/25/19 16:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	77.4	79.1	1	2.11		10

Laboratory Control Sample (LCS)

(LCS) R3454836-2 09/25/19 16:26

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	49.9	99.9	85.0-115	

Method Blank (MB)

(MB) R3453826-2 09/23/19 21:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	0.0229	J	0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	0.00136	J	0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3453826-2 09/23/19 21:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*111*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3453826-1 09/23/19 20:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.208	33.3	10.0-160	
Acrylonitrile	0.625	0.387	61.9	45.0-153	
Benzene	0.125	0.113	90.6	70.0-123	
Bromobenzene	0.125	0.120	95.8	73.0-121	
Bromodichloromethane	0.125	0.121	96.6	73.0-121	
Bromochloromethane	0.125	0.134	108	77.0-128	
Bromoform	0.125	0.119	95.3	64.0-132	
Bromomethane	0.125	0.129	103	56.0-147	
n-Butylbenzene	0.125	0.117	93.9	68.0-135	
sec-Butylbenzene	0.125	0.138	111	74.0-130	
tert-Butylbenzene	0.125	0.131	105	75.0-127	
Carbon disulfide	0.125	0.111	89.1	56.0-133	
Carbon tetrachloride	0.125	0.142	114	66.0-128	
Chlorobenzene	0.125	0.113	90.2	76.0-128	
Chlorodibromomethane	0.125	0.136	109	74.0-127	
Chloroethane	0.125	0.118	94.7	61.0-134	
Chloroform	0.125	0.101	80.5	72.0-123	
Chloromethane	0.125	0.126	101	51.0-138	
2-Chlorotoluene	0.125	0.116	92.8	75.0-124	
4-Chlorotoluene	0.125	0.126	101	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.107	86.0	59.0-130	
1,2-Dibromoethane	0.125	0.125	99.9	74.0-128	
Dibromomethane	0.125	0.105	83.6	75.0-122	
1,2-Dichlorobenzene	0.125	0.125	100	76.0-124	
1,3-Dichlorobenzene	0.125	0.128	103	76.0-125	
1,4-Dichlorobenzene	0.125	0.120	95.6	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.117	93.8	45.0-143	
Dichlorodifluoromethane	0.125	0.132	106	43.0-156	
1,1-Dichloroethane	0.125	0.122	97.3	70.0-127	
1,2-Dichloroethane	0.125	0.120	96.3	65.0-131	
1,1-Dichloroethene	0.125	0.129	103	65.0-131	
cis-1,2-Dichloroethene	0.125	0.112	89.8	73.0-125	
trans-1,2-Dichloroethene	0.125	0.128	102	71.0-125	
1,2-Dichloropropane	0.125	0.112	89.4	74.0-125	
1,1-Dichloropropene	0.125	0.131	105	73.0-125	
1,3-Dichloropropane	0.125	0.117	93.4	80.0-125	
cis-1,3-Dichloropropene	0.125	0.104	83.6	76.0-127	
trans-1,3-Dichloropropene	0.125	0.126	100	73.0-127	
2,2-Dichloropropane	0.125	0.130	104	59.0-135	
Di-isopropyl ether	0.125	0.101	80.9	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3453826-1 09/23/19 20:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.129	103	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.123	98.8	57.0-150	
2-Hexanone	0.625	0.478	76.5	54.0-147	
n-Hexane	0.125	0.0959	76.7	55.0-137	
Iodomethane	0.625	0.646	103	74.0-134	
Isopropylbenzene	0.125	0.119	95.4	72.0-127	
p-Isopropyltoluene	0.125	0.133	106	72.0-133	
2-Butanone (MEK)	0.625	0.429	68.6	30.0-160	
Methylene Chloride	0.125	0.113	90.5	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.493	78.9	56.0-143	
Methyl tert-butyl ether	0.125	0.125	99.8	66.0-132	
Naphthalene	0.125	0.109	86.9	59.0-130	
n-Propylbenzene	0.125	0.117	93.5	74.0-126	
Styrene	0.125	0.122	97.8	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.129	103	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0957	76.6	68.0-128	
Tetrachloroethene	0.125	0.145	116	70.0-136	
Toluene	0.125	0.121	96.6	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.109	87.5	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.108	86.6	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.132	105	62.0-137	
1,1,1-Trichloroethane	0.125	0.146	117	69.0-126	
1,1,2-Trichloroethane	0.125	0.131	105	78.0-123	
Trichloroethene	0.125	0.125	100	76.0-126	
Trichlorofluoromethane	0.125	0.116	92.7	61.0-142	
1,2,3-Trichloropropane	0.125	0.111	89.1	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.126	101	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.126	101	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.126	101	73.0-127	
Vinyl acetate	0.625	0.466	74.5	43.0-159	
Vinyl chloride	0.125	0.138	110	63.0-134	
Xylenes, Total	0.375	0.368	98.1	72.0-127	
(S) Toluene-d8			*111*	*75.0-131*	
(S) 4-Bromofluorobenzene			*103*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*98.0*	*70.0-130*	

Method Blank (MB)

(MB) R3453960-2 09/24/19 10:37

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	0.00137	J	0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3453960-2 09/24/19 10:37

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*114*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3453960-1 09/24/19 08:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.509	81.5	10.0-160	
Acrylonitrile	0.625	0.461	73.8	45.0-153	
Benzene	0.125	0.114	91.3	70.0-123	
Bromobenzene	0.125	0.123	98.6	73.0-121	
Bromodichloromethane	0.125	0.122	97.9	73.0-121	
Bromochloromethane	0.125	0.139	111	77.0-128	
Bromoform	0.125	0.119	95.1	64.0-132	
Bromomethane	0.125	0.125	100	56.0-147	
n-Butylbenzene	0.125	0.110	88.4	68.0-135	
sec-Butylbenzene	0.125	0.135	108	74.0-130	
tert-Butylbenzene	0.125	0.129	103	75.0-127	
Carbon disulfide	0.125	0.105	84.3	56.0-133	
Carbon tetrachloride	0.125	0.135	108	66.0-128	
Chlorobenzene	0.125	0.116	92.9	76.0-128	
Chlorodibromomethane	0.125	0.130	104	74.0-127	
Chloroethane	0.125	0.120	96.1	61.0-134	
Chloroform	0.125	0.104	82.8	72.0-123	
Chloromethane	0.125	0.121	97.0	51.0-138	
2-Chlorotoluene	0.125	0.115	91.9	75.0-124	
4-Chlorotoluene	0.125	0.124	98.9	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.112	89.5	59.0-130	
1,2-Dibromoethane	0.125	0.131	104	74.0-128	
Dibromomethane	0.125	0.105	84.3	75.0-122	
1,2-Dichlorobenzene	0.125	0.128	102	76.0-124	
1,3-Dichlorobenzene	0.125	0.133	106	76.0-125	
1,4-Dichlorobenzene	0.125	0.118	94.2	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.117	93.4	45.0-143	
Dichlorodifluoromethane	0.125	0.136	109	43.0-156	
1,1-Dichloroethane	0.125	0.122	97.3	70.0-127	
1,2-Dichloroethane	0.125	0.122	97.4	65.0-131	
1,1-Dichloroethene	0.125	0.121	97.1	65.0-131	
cis-1,2-Dichloroethene	0.125	0.109	87.6	73.0-125	
trans-1,2-Dichloroethene	0.125	0.120	95.8	71.0-125	
1,2-Dichloropropane	0.125	0.117	93.7	74.0-125	
1,1-Dichloropropene	0.125	0.125	99.8	73.0-125	
1,3-Dichloropropane	0.125	0.122	97.4	80.0-125	
cis-1,3-Dichloropropene	0.125	0.106	84.6	76.0-127	
trans-1,3-Dichloropropene	0.125	0.122	97.3	73.0-127	
2,2-Dichloropropane	0.125	0.105	84.4	59.0-135	
Di-isopropyl ether	0.125	0.103	82.3	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3453960-1 09/24/19 08:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.125	99.8	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.127	102	57.0-150	
2-Hexanone	0.625	0.527	84.4	54.0-147	
n-Hexane	0.125	0.0822	65.7	55.0-137	
Iodomethane	0.625	0.650	104	74.0-134	
Isopropylbenzene	0.125	0.119	94.9	72.0-127	
p-Isopropyltoluene	0.125	0.118	94.0	72.0-133	
2-Butanone (MEK)	0.625	0.513	82.1	30.0-160	
Methylene Chloride	0.125	0.116	92.5	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.542	86.8	56.0-143	
Methyl tert-butyl ether	0.125	0.122	97.4	66.0-132	
Naphthalene	0.125	0.120	96.2	59.0-130	
n-Propylbenzene	0.125	0.113	90.4	74.0-126	
Styrene	0.125	0.125	99.8	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.141	113	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0849	67.9	68.0-128	J4
Tetrachloroethene	0.125	0.149	119	70.0-136	
Toluene	0.125	0.122	97.9	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.103	82.1	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.121	96.6	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.136	109	62.0-137	
1,1,1-Trichloroethane	0.125	0.134	107	69.0-126	
1,1,2-Trichloroethane	0.125	0.135	108	78.0-123	
Trichloroethene	0.125	0.136	109	76.0-126	
Trichlorofluoromethane	0.125	0.111	89.0	61.0-142	
1,2,3-Trichloropropane	0.125	0.116	92.5	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.128	102	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.126	100	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.119	95.2	73.0-127	
Vinyl acetate	0.625	0.328	52.5	43.0-159	
Vinyl chloride	0.125	0.137	109	63.0-134	
Xylenes, Total	0.375	0.379	101	72.0-127	
(S) Toluene-d8			*115*	*75.0-131*	
(S) 4-Bromofluorobenzene			*105*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*99.6*	*70.0-130*	

L1141303-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1141303-01 09/24/19 12:56 • (MS) R3453960-3 09/24/19 19:23 • (MSD) R3453960-4 09/24/19 19:43

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	0.782	0.0361	0.616	0.486	74.1	57.5	1	10.0-160			23.6	40
Benzene	0.156	U	0.132	0.116	84.5	74.1	1	10.0-149			13.2	37
Acrylonitrile	0.782	U	0.610	0.479	78.0	61.2	1	10.0-160			24.1	40
Bromobenzene	0.156	U	0.138	0.121	88.2	77.1	1	10.0-156			13.5	38
Bromodichloromethane	0.156	U	0.144	0.118	92.0	75.4	1	10.0-143			19.9	37
Bromochloromethane	0.156	U	0.157	0.137	101	87.5	1	10.0-155			13.9	33
Bromoform	0.156	U	0.139	0.118	88.9	75.5	1	10.0-146			16.3	36
Bromomethane	0.156	U	0.0953	0.0889	60.9	56.8	1	10.0-149			6.96	38
n-Butylbenzene	0.156	U	0.142	0.122	90.5	78.0	1	10.0-160			14.8	40
sec-Butylbenzene	0.156	U	0.155	0.137	98.8	87.5	1	10.0-159			12.1	39
tert-Butylbenzene	0.156	U	0.143	0.124	91.3	79.4	1	10.0-156			14.0	39
Carbon disulfide	0.156	U	0.121	0.107	77.2	68.6	1	10.0-145			11.8	39
Carbon tetrachloride	0.156	U	0.146	0.138	93.0	88.5	1	10.0-145			4.97	37
Chlorobenzene	0.156	U	0.130	0.111	83.2	71.2	1	10.0-152			15.6	39
Chlorodibromomethane	0.156	U	0.158	0.123	101	78.4	1	10.0-146			25.2	37
Chloroethane	0.156	U	0.103	0.0912	66.1	58.3	1	10.0-146			12.6	40
Chloroform	0.156	U	0.118	0.101	75.6	64.9	1	10.0-146			15.3	37
Chloromethane	0.156	U	0.118	0.106	75.4	67.7	1	10.0-159			10.7	37
2-Chlorotoluene	0.156	U	0.133	0.109	85.1	69.9	1	10.0-159			19.6	38
4-Chlorotoluene	0.156	U	0.143	0.124	91.1	79.1	1	10.0-155			14.2	39
1,2-Dibromo-3-Chloropropane	0.156	U	0.129	0.0985	82.7	63.0	1	10.0-151			27.0	39
1,2-Dibromoethane	0.156	U	0.150	0.119	95.8	75.8	1	10.0-148			23.2	34
Dibromomethane	0.156	U	0.127	0.103	81.1	66.1	1	10.0-147			20.3	35
1,2-Dichlorobenzene	0.156	U	0.152	0.122	96.9	78.2	1	10.0-155			21.4	37
1,3-Dichlorobenzene	0.156	U	0.153	0.129	97.5	82.3	1	10.0-153			17.0	38
1,4-Dichlorobenzene	0.156	U	0.144	0.119	92.0	76.2	1	10.0-151			18.8	38
trans-1,4-Dichloro-2-butene	0.156	U	0.143	0.112	91.6	71.6	1	10.0-152			24.6	36
Dichlorodifluoromethane	0.156	U	0.137	0.132	87.4	84.3	1	10.0-160			3.68	35
1,1-Dichloroethane	0.156	U	0.139	0.123	88.8	78.7	1	10.0-147			12.0	37
1,2-Dichloroethane	0.156	U	0.146	0.119	93.3	76.0	1	10.0-148			20.4	35
1,1-Dichloroethene	0.156	U	0.144	0.134	91.9	85.5	1	10.0-155			7.19	37
cis-1,2-Dichloroethene	0.156	U	0.132	0.114	84.4	72.6	1	10.0-149			15.0	37
trans-1,2-Dichloroethene	0.156	U	0.137	0.129	87.7	82.4	1	10.0-150			6.15	37
1,2-Dichloropropane	0.156	U	0.132	0.115	84.3	73.7	1	10.0-148			13.4	37
1,1-Dichloropropene	0.156	U	0.145	0.132	92.9	84.6	1	10.0-153			9.36	35
1,3-Dichloropropane	0.156	U	0.140	0.113	89.5	72.3	1	10.0-154			21.3	35
cis-1,3-Dichloropropene	0.156	U	0.127	0.106	81.3	67.6	1	10.0-151			18.4	37
trans-1,3-Dichloropropene	0.156	U	0.149	0.122	95.3	78.3	1	10.0-148			19.6	37
2,2-Dichloropropane	0.156	U	0.119	0.117	76.3	75.1	1	10.0-138			1.62	36

L1141303-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1141303-01 09/24/19 12:56 • (MS) R3453960-3 09/24/19 19:23 • (MSD) R3453960-4 09/24/19 19:43

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 %
Ethylbenzene	0.156	U	0.152	0.133	97.3	84.8	1	10.0-160			13.7	38
Di-isopropyl ether	0.156	U	0.122	0.104	78.0	66.6	1	10.0-147			15.7	36
Hexachloro-1,3-butadiene	0.156	U	0.162	0.144	104	92.2	1	10.0-160			11.9	40
2-Hexanone	0.782	U	0.611	0.481	78.1	61.5	1	10.0-160			23.8	36
n-Hexane	0.156	U	0.119	0.113	76.0	72.5	1	10.0-157			4.66	37
Iodomethane	0.782	U	0.736	0.646	94.0	82.6	1	10.0-160			12.9	38
Isopropylbenzene	0.156	U	0.134	0.117	85.9	74.8	1	10.0-155			13.8	38
p-Isopropyltoluene	0.156	U	0.152	0.129	97.1	82.5	1	10.0-160			16.2	40
2-Butanone (MEK)	0.782	U	0.638	0.545	81.5	69.7	1	10.0-160			15.6	40
Methylene Chloride	0.156	U	0.140	0.114	89.4	73.1	1	10.0-141			20.1	37
4-Methyl-2-pentanone (MIBK)	0.782	U	0.639	0.501	81.8	64.0	1	10.0-160			24.3	35
Methyl tert-butyl ether	0.156	U	0.126	0.105	80.8	66.9	1	11.0-147			18.7	35
Naphthalene	0.156	U	0.149	0.117	95.3	74.6	1	10.0-160			24.3	36
n-Propylbenzene	0.156	U	0.130	0.112	83.1	71.6	1	10.0-158			14.9	38
Styrene	0.156	U	0.152	0.129	97.2	82.2	1	10.0-160			16.8	40
1,1,1,2-Tetrachloroethane	0.156	U	0.152	0.133	96.9	85.3	1	10.0-149			12.8	39
1,1,2,2-Tetrachloroethane	0.156	U	0.109	0.0944	69.5	60.4	1	10.0-160			14.0	35
Tetrachloroethene	0.156	U	0.166	0.146	106	93.5	1	10.0-156			12.5	39
Toluene	0.156	U	0.136	0.118	87.2	75.5	1	10.0-156			14.3	38
1,1,2-Trichlorotrifluoroethane	0.156	U	0.131	0.127	83.5	81.2	1	10.0-160			2.82	36
1,2,3-Trichlorobenzene	0.156	U	0.143	0.122	91.5	78.0	1	10.0-160			15.9	40
1,2,4-Trichlorobenzene	0.156	U	0.174	0.142	111	90.5	1	10.0-160			20.4	40
1,1,1-Trichloroethane	0.156	U	0.145	0.136	92.6	86.9	1	10.0-144			6.38	35
1,1,2-Trichloroethane	0.156	U	0.164	0.133	105	85.2	1	10.0-160			20.5	35
Trichloroethene	0.156	U	0.141	0.124	89.9	79.2	1	10.0-156			12.7	38
Trichlorofluoromethane	0.156	U	0.127	0.123	81.4	78.9	1	10.0-160			3.08	40
1,2,3-Trichloropropane	0.156	U	0.131	0.107	83.9	68.3	1	10.0-156			20.5	35
1,2,3-Trimethylbenzene	0.156	U	0.146	0.119	93.6	76.4	1	10.0-160			20.3	36
1,2,4-Trimethylbenzene	0.156	U	0.145	0.122	92.7	78.0	1	10.0-160			17.3	36
1,3,5-Trimethylbenzene	0.156	U	0.142	0.121	90.6	77.3	1	10.0-160			15.9	38
Vinyl acetate	0.782	U	0.403	0.357	51.6	45.6	1	10.0-128			12.2	40
Xylenes, Total	0.469	U	0.428	0.368	91.2	78.3	1	10.0-160			15.2	38
Vinyl chloride	0.156	U	0.111	0.0968	70.8	61.9	1	10.0-160			13.4	37
(S) Toluene-d8					*110*	*110*		*75.0-131*				
(S) 4-Bromofluorobenzene					*106*	*105*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*103*	*103*		*70.0-130*				

Method Blank (MB)

(MB) R3454388-2 09/24/19 10:37

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	0.00137	J	0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3454388-2 09/24/19 10:37

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*114*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3454388-1 09/24/19 08:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.509	81.5	10.0-160	
Acrylonitrile	0.625	0.461	73.8	45.0-153	
Benzene	0.125	0.114	91.3	70.0-123	
Bromobenzene	0.125	0.123	98.6	73.0-121	
Bromodichloromethane	0.125	0.122	97.9	73.0-121	
Bromochloromethane	0.125	0.139	111	77.0-128	
Bromoform	0.125	0.119	95.1	64.0-132	
Bromomethane	0.125	0.125	100	56.0-147	
n-Butylbenzene	0.125	0.110	88.4	68.0-135	
sec-Butylbenzene	0.125	0.135	108	74.0-130	
tert-Butylbenzene	0.125	0.129	103	75.0-127	
Carbon disulfide	0.125	0.105	84.3	56.0-133	
Carbon tetrachloride	0.125	0.135	108	66.0-128	
Chlorobenzene	0.125	0.116	92.9	76.0-128	
Chlorodibromomethane	0.125	0.130	104	74.0-127	
Chloroethane	0.125	0.120	96.1	61.0-134	
Chloroform	0.125	0.104	82.8	72.0-123	
Chloromethane	0.125	0.121	97.0	51.0-138	
2-Chlorotoluene	0.125	0.115	91.9	75.0-124	
4-Chlorotoluene	0.125	0.124	98.9	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.112	89.5	59.0-130	
1,2-Dibromoethane	0.125	0.131	104	74.0-128	
Dibromomethane	0.125	0.105	84.3	75.0-122	
1,2-Dichlorobenzene	0.125	0.128	102	76.0-124	
1,3-Dichlorobenzene	0.125	0.133	106	76.0-125	
1,4-Dichlorobenzene	0.125	0.118	94.2	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.117	93.4	45.0-143	
Dichlorodifluoromethane	0.125	0.136	109	43.0-156	
1,1-Dichloroethane	0.125	0.122	97.3	70.0-127	
1,2-Dichloroethane	0.125	0.122	97.4	65.0-131	
1,1-Dichloroethene	0.125	0.121	97.1	65.0-131	
cis-1,2-Dichloroethene	0.125	0.109	87.6	73.0-125	
trans-1,2-Dichloroethene	0.125	0.120	95.8	71.0-125	
1,2-Dichloropropane	0.125	0.117	93.7	74.0-125	
1,1-Dichloropropene	0.125	0.125	99.8	73.0-125	
1,3-Dichloropropane	0.125	0.122	97.4	80.0-125	
cis-1,3-Dichloropropene	0.125	0.106	84.6	76.0-127	
trans-1,3-Dichloropropene	0.125	0.122	97.3	73.0-127	
2,2-Dichloropropane	0.125	0.105	84.4	59.0-135	
Di-isopropyl ether	0.125	0.103	82.3	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3454388-1 09/24/19 08:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.125	99.8	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.127	102	57.0-150	
2-Hexanone	0.625	0.527	84.4	54.0-147	
n-Hexane	0.125	0.0822	65.7	55.0-137	
Iodomethane	0.625	0.650	104	74.0-134	
Isopropylbenzene	0.125	0.119	94.9	72.0-127	
p-Isopropyltoluene	0.125	0.118	94.0	72.0-133	
2-Butanone (MEK)	0.625	0.513	82.1	30.0-160	
Methylene Chloride	0.125	0.116	92.5	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.542	86.8	56.0-143	
Methyl tert-butyl ether	0.125	0.122	97.4	66.0-132	
Naphthalene	0.125	0.120	96.2	59.0-130	
n-Propylbenzene	0.125	0.113	90.4	74.0-126	
Styrene	0.125	0.125	99.8	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.141	113	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0849	67.9	68.0-128	J4
Tetrachloroethene	0.125	0.149	119	70.0-136	
Toluene	0.125	0.122	97.9	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.103	82.1	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.121	96.6	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.136	109	62.0-137	
1,1,1-Trichloroethane	0.125	0.134	107	69.0-126	
1,1,2-Trichloroethane	0.125	0.135	108	78.0-123	
Trichloroethene	0.125	0.136	109	76.0-126	
Trichlorofluoromethane	0.125	0.111	89.0	61.0-142	
1,2,3-Trichloropropane	0.125	0.116	92.5	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.128	102	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.126	100	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.119	95.2	73.0-127	
Vinyl acetate	0.625	0.328	52.5	43.0-159	
Vinyl chloride	0.125	0.137	109	63.0-134	
Xylenes, Total	0.375	0.379	101	72.0-127	
(S) Toluene-d8			*115*	*75.0-131*	
(S) 4-Bromofluorobenzene			*105*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*99.6*	*70.0-130*	

Method Blank (MB)

(MB) R3454507-2 09/25/19 08:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	1.56	J	1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3454507-2 09/25/19 08:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*97.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

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

(LCS) R3454507-1 09/25/19 07:52 • (LCSD) R3454507-3 09/25/19 12:21

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	125	186	176	149	141	19.0-160			5.74	27
Acrylonitrile	125	154	151	123	121	55.0-149			2.00	20
Benzene	25.0	25.3	23.9	101	95.8	70.0-123			5.61	20
Bromobenzene	25.0	26.2	25.4	105	102	73.0-121			2.82	20
Bromodichloromethane	25.0	26.9	26.2	107	105	75.0-120			2.50	20
Bromochloromethane	25.0	25.6	25.0	102	100	76.0-122			2.19	20
Bromoform	25.0	27.8	27.2	111	109	68.0-132			2.22	20
Bromomethane	25.0	25.2	24.1	101	96.4	10.0-160			4.65	25
n-Butylbenzene	25.0	25.2	25.5	101	102	73.0-125			0.903	20
sec-Butylbenzene	25.0	26.4	25.4	105	102	75.0-125			3.71	20
tert-Butylbenzene	25.0	27.2	26.3	109	105	76.0-124			3.28	20
Carbon disulfide	25.0	23.9	22.7	95.5	90.8	61.0-128			5.02	20
Carbon tetrachloride	25.0	25.6	24.3	103	97.3	68.0-126			5.27	20
Chlorobenzene	25.0	24.8	24.3	99.2	97.4	80.0-121			1.88	20
Chlorodibromomethane	25.0	25.7	25.3	103	101	77.0-125			1.48	20
Chloroethane	25.0	24.4	23.4	97.4	93.6	47.0-150			4.06	20
Chloroform	25.0	26.3	25.1	105	100	73.0-120			4.81	20
Chloromethane	25.0	21.0	23.0	84.0	91.9	41.0-142			8.92	20
2-Chlorotoluene	25.0	26.9	26.4	108	106	76.0-123			1.85	20
4-Chlorotoluene	25.0	27.1	26.4	108	106	75.0-122			2.42	20
1,2-Dibromo-3-Chloropropane	25.0	28.7	29.6	115	118	58.0-134			2.88	20
1,2-Dibromoethane	25.0	26.1	25.7	104	103	80.0-122			1.59	20
Dibromomethane	25.0	26.5	25.4	106	102	80.0-120			4.13	20
1,2-Dichlorobenzene	25.0	24.0	24.3	95.9	97.1	79.0-121			1.25	20
1,3-Dichlorobenzene	25.0	24.1	24.0	96.5	96.0	79.0-120			0.499	20
1,4-Dichlorobenzene	25.0	24.4	24.3	97.6	97.2	79.0-120			0.326	20
Dichlorodifluoromethane	25.0	27.8	27.0	111	108	51.0-149			3.14	20
1,1-Dichloroethane	25.0	25.2	24.2	101	96.6	70.0-126			4.05	20
1,2-Dichloroethane	25.0	26.2	25.7	105	103	70.0-128			2.00	20
1,1-Dichloroethene	25.0	25.2	23.7	101	94.9	71.0-124			6.22	20
cis-1,2-Dichloroethene	25.0	25.1	23.9	101	95.5	73.0-120			5.18	20
trans-1,2-Dichloroethene	25.0	25.7	24.5	103	98.0	73.0-120			4.87	20
1,2-Dichloropropane	25.0	25.4	24.7	101	98.9	77.0-125			2.56	20
1,1-Dichloropropene	25.0	25.4	24.8	102	99.1	74.0-126			2.37	20
1,3-Dichloropropane	25.0	26.0	25.6	104	102	80.0-120			1.63	20
cis-1,3-Dichloropropene	25.0	26.6	26.5	106	106	80.0-123			0.120	20
trans-1,3-Dichloropropene	25.0	26.1	26.5	104	106	78.0-124			1.42	20
trans-1,4-Dichloro-2-butene	25.0	37.3	39.7	149	159	33.0-144	J4	J4	6.24	20
2,2-Dichloropropane	25.0	23.6	24.3	94.6	97.1	58.0-130			2.69	20
Di-isopropyl ether	25.0	26.8	26.1	107	104	58.0-138			2.88	20

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

(LCS) R3454507-1 09/25/19 07:52 • (LCSD) R3454507-3 09/25/19 12:21

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	25.0	24.8	24.1	99.0	96.6	79.0-123			2.50	20
Hexachloro-1,3-butadiene	25.0	22.6	23.8	90.3	95.2	54.0-138			5.29	20
2-Hexanone	125	144	147	115	118	67.0-149			2.23	20
n-Hexane	25.0	22.4	23.5	89.8	93.9	57.0-133			4.49	20
Iodomethane	125	126	120	101	96.4	33.0-147			4.45	26
Isopropylbenzene	25.0	26.0	25.5	104	102	76.0-127			1.89	20
p-Isopropyltoluene	25.0	25.9	25.6	104	102	76.0-125			1.10	20
2-Butanone (MEK)	125	162	163	130	130	44.0-160			0.165	20
Methylene Chloride	25.0	25.4	24.7	101	98.7	67.0-120			2.74	20
4-Methyl-2-pentanone (MIBK)	125	148	150	118	120	68.0-142			1.56	20
Methyl tert-butyl ether	25.0	28.7	27.6	115	110	68.0-125			3.80	20
Naphthalene	25.0	25.6	25.9	102	104	54.0-135			1.22	20
n-Propylbenzene	25.0	27.4	26.5	110	106	77.0-124			3.32	20
Styrene	25.0	26.4	25.9	106	104	73.0-130			1.92	20
1,1,1,2-Tetrachloroethane	25.0	25.3	24.8	101	99.2	75.0-125			1.87	20
1,1,2,2-Tetrachloroethane	25.0	28.4	29.4	113	118	65.0-130			3.73	20
1,1,2-Trichlorotrifluoroethane	25.0	24.9	23.8	99.6	95.1	69.0-132			4.70	20
Tetrachloroethene	25.0	23.8	23.4	95.1	93.5	72.0-132			1.70	20
Toluene	25.0	23.7	23.3	94.7	93.1	79.0-120			1.66	20
1,2,3-Trichlorobenzene	25.0	25.3	25.1	101	100	50.0-138			0.935	20
1,2,4-Trichlorobenzene	25.0	24.4	24.8	97.7	99.0	57.0-137			1.29	20
1,1,1-Trichloroethane	25.0	26.0	24.2	104	96.7	73.0-124			7.18	20
1,1,2-Trichloroethane	25.0	26.0	25.6	104	103	80.0-120			1.43	20
Trichloroethene	25.0	26.5	24.6	106	98.6	78.0-124			7.44	20
Trichlorofluoromethane	25.0	27.6	25.8	110	103	59.0-147			6.55	20
1,2,3-Trichloropropane	25.0	30.9	30.6	124	122	73.0-130			1.02	20
1,2,4-Trimethylbenzene	25.0	26.8	26.4	107	106	76.0-121			1.70	20
1,2,3-Trimethylbenzene	25.0	25.9	25.6	103	103	77.0-120			0.878	20
1,3,5-Trimethylbenzene	25.0	27.6	26.8	110	107	76.0-122			2.93	20
Vinyl acetate	125	101	136	81.2	109	11.0-160		J3	29.0	20
Vinyl chloride	25.0	24.9	23.7	99.7	95.0	67.0-131			4.83	20
Xylenes, Total	75.0	75.7	74.1	101	98.8	79.0-123			2.14	20
(S) Toluene-d8				*102*	*100*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*107*	*112*	*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.
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

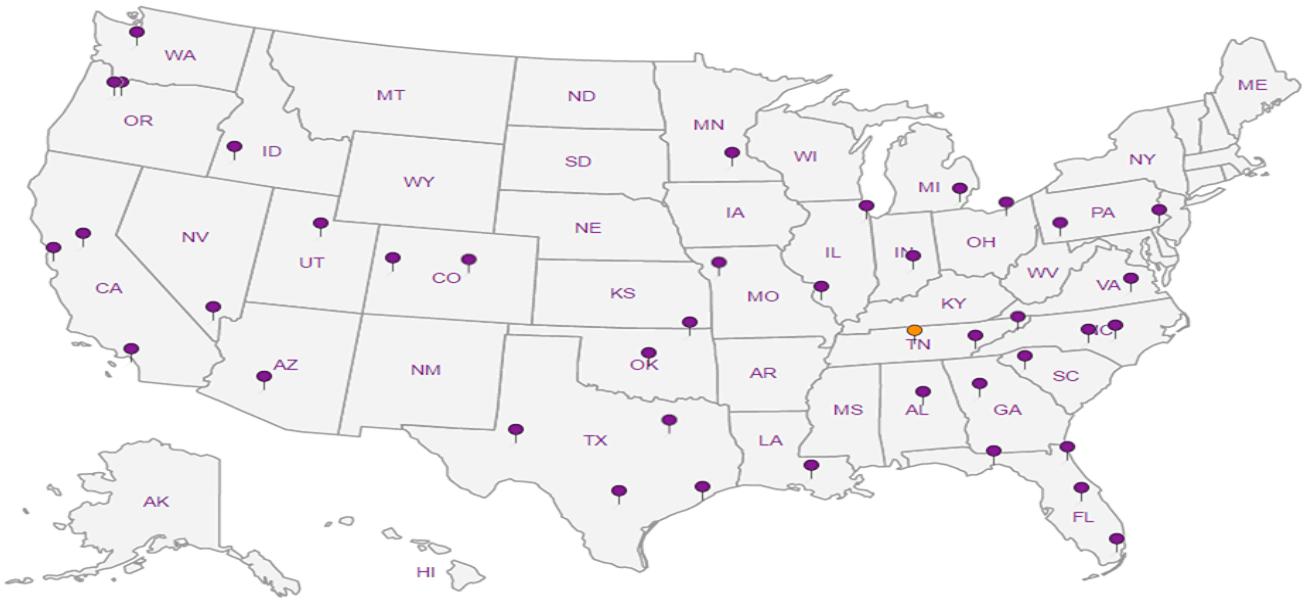
Third Party Federal Accreditations

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: SEA. WA.

Please Circle: PT MT CT ET

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

Client Project # 1413.001.02.501

Lab Project # PESENVSWA-ALP

Collected by (print): H.W. Small

Site/Facility ID # 700 DEXTER AVE N.

P.O. #

Collected by (signature): H.W. Small

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	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-328-5	GRAB	SS	5	9/16/19	1100	2	X	X		-01
MW-328-10		SS	10		1105	2	X	X		02
MW-328-15		SS	15		1110	2	X	X		03
MW-328-20		SS	20		1115	2	X	X		04
MW-328-30		SS	30		1125	2	X	X		05
MW-328-35		SS	35		1130	2	X	X		06
MW-328-40		SS	40		1135	2	X	X		07
MW-328-45		SS	45		1145	2	X	X		08
MW-328-50		SS	50		1150	2	X	X		09
MW-328-55		SS	55		1155	2	X	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 # 1141285

Ta H122

Acctnum: PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110- Brian Ford

PB: 8/21/19 MG

Shipped Via: FedEx Ground

* 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 6478

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) H.W. Small	9/17/19	1300	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR 1
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.2+0=5.2°C Bottles Received: 32
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Hailey Mc	Date: 9/19/19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
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Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: AMERICAN LINEN

City/State Collected: SEA WA.

Please Circle: PT MT CT ET

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

Client Project # 1413.001.02.501

Lab Project # PESENVSWA-ALP

Collected by (print): H.W. Small

Site/Facility ID # 700 DEXTER AVE N

P.O. #

Collected by (signature): H.W. Small

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

SDG # 1141285

Table #

Acctnum: PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110 - Brian Ford

PB: 8/21/19 MM

Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-328-60	GRAB	SS	60	9/16/19	1210	2	X	X		11
MW-328-65		SS	65		1215	2	X	X		12
MW-328-70		SS	70		1220	2	X	X		13
MW-328-75		SS	75		1225	2	X	X		14
MW-328-80		SS	80		1230	2	X	X		15
TB-091619	—	~~SS~~ WW	—	—	—		X			16
		SS								
MW-329-80	GRAB	SS	80	9/12/19	1345		X	X		17
		SS								
		SS								

* 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) H.W. Small	9/17/2019	1300	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.2 °C Bottles Received: 32
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Hailey Mc	Date: 9/19/19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

September 27, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1141323
Samples Received:	09/19/2019
Project Number:	1413.001.02.501B
Description:	
Site:	ALS
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Project Manager

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

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MW-312-6 L1141323-01 Solid

Collected by: R. McLaughlin | Collected date/time: 09/16/19 11:10 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351921	1	09/25/19 14:37	09/25/19 14:56	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350957	1	09/16/19 11:10	09/24/19 17:21	ACG	Mt. Juliet, TN

MW-312-10 L1141323-02 Solid

Collected by: R. McLaughlin | Collected date/time: 09/16/19 11:15 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351921	1	09/25/19 14:37	09/25/19 14:56	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350957	1.14	09/16/19 11:15	09/24/19 17:42	ACG	Mt. Juliet, TN

MW-312-15 L1141323-03 Solid

Collected by: R. McLaughlin | Collected date/time: 09/16/19 11:30 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351921	1	09/25/19 14:37	09/25/19 14:56	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350957	1.04	09/16/19 11:30	09/24/19 18:02	ACG	Mt. Juliet, TN

MW-312-20 L1141323-04 Solid

Collected by: R. McLaughlin | Collected date/time: 09/16/19 11:35 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351921	1	09/25/19 14:37	09/25/19 14:56	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350957	1	09/16/19 11:35	09/24/19 18:22	ACG	Mt. Juliet, TN

MW-312-25 L1141323-05 Solid

Collected by: R. McLaughlin | Collected date/time: 09/16/19 11:40 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351921	1	09/25/19 14:37	09/25/19 14:56	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350957	1	09/16/19 11:40	09/24/19 18:42	ACG	Mt. Juliet, TN

MW-2004-20 L1141323-06 Solid

Collected by: R. McLaughlin | Collected date/time: 09/16/19 09:00 | Received date/time: 09/19/19 08:45

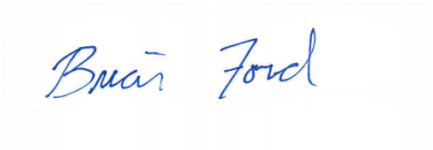
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351921	1	09/25/19 14:37	09/25/19 14:56	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350957	1	09/16/19 09:00	09/24/19 19:03	ACG	Mt. Juliet, TN

TB-091619 L1141323-07 GW

Collected by: R. McLaughlin | Collected date/time: 09/16/19 12:00 | Received date/time: 09/19/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1351851	1	09/25/19 13:34	09/25/19 13:34	ACG	Mt. Juliet, TN

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



Brian Ford
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.2		1	09/25/2019 14:56	WG1351921

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0391		0.0167	0.0304	1	09/24/2019 17:21	WG1350957
Acrylonitrile	U	J0	0.00231	0.0152	1	09/24/2019 17:21	WG1350957
Benzene	0.000742	J	0.000487	0.00122	1	09/24/2019 17:21	WG1350957
Bromobenzene	U		0.00128	0.0152	1	09/24/2019 17:21	WG1350957
Bromodichloromethane	U		0.000959	0.00304	1	09/24/2019 17:21	WG1350957
Bromochloromethane	U		0.00137	0.00608	1	09/24/2019 17:21	WG1350957
Bromoform	U		0.00728	0.0304	1	09/24/2019 17:21	WG1350957
Bromomethane	U		0.00450	0.0152	1	09/24/2019 17:21	WG1350957
n-Butylbenzene	U		0.00467	0.0152	1	09/24/2019 17:21	WG1350957
sec-Butylbenzene	U		0.00308	0.0152	1	09/24/2019 17:21	WG1350957
tert-Butylbenzene	U		0.00189	0.00608	1	09/24/2019 17:21	WG1350957
Carbon disulfide	U		0.00494	0.0152	1	09/24/2019 17:21	WG1350957
Carbon tetrachloride	U		0.00131	0.00608	1	09/24/2019 17:21	WG1350957
Chlorobenzene	U		0.000697	0.00304	1	09/24/2019 17:21	WG1350957
Chlorodibromomethane	U		0.000547	0.00304	1	09/24/2019 17:21	WG1350957
Chloroethane	U		0.00131	0.00608	1	09/24/2019 17:21	WG1350957
Chloroform	U		0.000505	0.00304	1	09/24/2019 17:21	WG1350957
Chloromethane	U		0.00169	0.0152	1	09/24/2019 17:21	WG1350957
2-Chlorotoluene	U		0.00112	0.00304	1	09/24/2019 17:21	WG1350957
4-Chlorotoluene	U		0.00137	0.00608	1	09/24/2019 17:21	WG1350957
1,2-Dibromo-3-Chloropropane	U	J0	0.00620	0.0304	1	09/24/2019 17:21	WG1350957
1,2-Dibromoethane	U		0.000639	0.00304	1	09/24/2019 17:21	WG1350957
Dibromomethane	U		0.00122	0.00608	1	09/24/2019 17:21	WG1350957
1,2-Dichlorobenzene	U		0.00176	0.00608	1	09/24/2019 17:21	WG1350957
1,3-Dichlorobenzene	U		0.00207	0.00608	1	09/24/2019 17:21	WG1350957
1,4-Dichlorobenzene	U		0.00240	0.00608	1	09/24/2019 17:21	WG1350957
Dichlorodifluoromethane	U		0.000995	0.00304	1	09/24/2019 17:21	WG1350957
1,1-Dichloroethane	U		0.000700	0.00304	1	09/24/2019 17:21	WG1350957
1,2-Dichloroethane	U		0.000578	0.00304	1	09/24/2019 17:21	WG1350957
1,1-Dichloroethene	U		0.000608	0.00304	1	09/24/2019 17:21	WG1350957
cis-1,2-Dichloroethene	U		0.000839	0.00304	1	09/24/2019 17:21	WG1350957
trans-1,2-Dichloroethene	U		0.00174	0.00608	1	09/24/2019 17:21	WG1350957
1,2-Dichloropropane	U		0.00155	0.00608	1	09/24/2019 17:21	WG1350957
1,1-Dichloropropene	U		0.000852	0.00304	1	09/24/2019 17:21	WG1350957
1,3-Dichloropropane	U		0.00213	0.00608	1	09/24/2019 17:21	WG1350957
cis-1,3-Dichloropropene	U		0.000825	0.00304	1	09/24/2019 17:21	WG1350957
trans-1,3-Dichloropropene	U		0.00186	0.00608	1	09/24/2019 17:21	WG1350957
trans-1,4-Dichloro-2-butene	U		0.00170	0.00608	1	09/24/2019 17:21	WG1350957
2,2-Dichloropropane	U		0.000965	0.00304	1	09/24/2019 17:21	WG1350957
Di-isopropyl ether	U		0.000426	0.00122	1	09/24/2019 17:21	WG1350957
Ethylbenzene	U		0.000645	0.00304	1	09/24/2019 17:21	WG1350957
Hexachloro-1,3-butadiene	U		0.0155	0.0304	1	09/24/2019 17:21	WG1350957
2-Hexanone	U	J0	0.0122	0.0304	1	09/24/2019 17:21	WG1350957
n-Hexane	U	J0	0.00129	0.00608	1	09/24/2019 17:21	WG1350957
Iodomethane	U		0.00736	0.0152	1	09/24/2019 17:21	WG1350957
Isopropylbenzene	U		0.00105	0.00304	1	09/24/2019 17:21	WG1350957
p-Isopropyltoluene	U		0.00283	0.00608	1	09/24/2019 17:21	WG1350957
2-Butanone (MEK)	U		0.0152	0.0304	1	09/24/2019 17:21	WG1350957
Methylene Chloride	U		0.00808	0.0304	1	09/24/2019 17:21	WG1350957
4-Methyl-2-pentanone (MIBK)	U		0.0122	0.0304	1	09/24/2019 17:21	WG1350957

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000359	0.00122	1	09/24/2019 17:21	WG1350957
Naphthalene	U		0.00380	0.0152	1	09/24/2019 17:21	WG1350957
n-Propylbenzene	U		0.00144	0.00608	1	09/24/2019 17:21	WG1350957
Styrene	U		0.00332	0.0152	1	09/24/2019 17:21	WG1350957
1,1,1,2-Tetrachloroethane	U		0.000608	0.00304	1	09/24/2019 17:21	WG1350957
1,1,2,2-Tetrachloroethane	U	J0 J4	0.000474	0.00304	1	09/24/2019 17:21	WG1350957
1,1,2-Trichlorotrifluoroethane	U		0.000821	0.00304	1	09/24/2019 17:21	WG1350957
Tetrachloroethene	U		0.000852	0.00304	1	09/24/2019 17:21	WG1350957
Toluene	0.00946		0.00152	0.00608	1	09/24/2019 17:21	WG1350957
1,2,3-Trichlorobenzene	U		0.000760	0.00304	1	09/24/2019 17:21	WG1350957
1,2,4-Trichlorobenzene	U		0.00586	0.0152	1	09/24/2019 17:21	WG1350957
1,1,1-Trichloroethane	U		0.000335	0.00304	1	09/24/2019 17:21	WG1350957
1,1,2-Trichloroethane	U		0.00107	0.00304	1	09/24/2019 17:21	WG1350957
Trichloroethene	U		0.000487	0.00122	1	09/24/2019 17:21	WG1350957
Trichlorofluoromethane	U		0.000608	0.00304	1	09/24/2019 17:21	WG1350957
1,2,3-Trichloropropane	U		0.00620	0.0152	1	09/24/2019 17:21	WG1350957
1,2,4-Trimethylbenzene	0.00182	J	0.00141	0.00608	1	09/24/2019 17:21	WG1350957
1,2,3-Trimethylbenzene	0.00176	J	0.00140	0.00608	1	09/24/2019 17:21	WG1350957
1,3,5-Trimethylbenzene	U		0.00131	0.00608	1	09/24/2019 17:21	WG1350957
Vinyl acetate	U	J0	0.00428	0.0152	1	09/24/2019 17:21	WG1350957
Vinyl chloride	U		0.000831	0.00304	1	09/24/2019 17:21	WG1350957
Xylenes, Total	U		0.00582	0.00791	1	09/24/2019 17:21	WG1350957
(S) Toluene-d8	*113*			*75.0-131*		*09/24/2019 17:21*	WG1350957
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/24/2019 17:21*	WG1350957
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/24/2019 17:21*	WG1350957

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	56.2		1	09/25/2019 14:56	WG1351921

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.187		0.0278	0.0507	1.14	09/24/2019 17:42	WG1350957
Acrylonitrile	U	J0	0.00386	0.0254	1.14	09/24/2019 17:42	WG1350957
Benzene	0.00135	J	0.000812	0.00203	1.14	09/24/2019 17:42	WG1350957
Bromobenzene	U		0.00214	0.0254	1.14	09/24/2019 17:42	WG1350957
Bromodichloromethane	U		0.00160	0.00507	1.14	09/24/2019 17:42	WG1350957
Bromochloromethane	U		0.00230	0.0101	1.14	09/24/2019 17:42	WG1350957
Bromoform	U		0.0121	0.0507	1.14	09/24/2019 17:42	WG1350957
Bromomethane	U		0.00751	0.0254	1.14	09/24/2019 17:42	WG1350957
n-Butylbenzene	U		0.00780	0.0254	1.14	09/24/2019 17:42	WG1350957
sec-Butylbenzene	U		0.00513	0.0254	1.14	09/24/2019 17:42	WG1350957
tert-Butylbenzene	U		0.00315	0.0101	1.14	09/24/2019 17:42	WG1350957
Carbon disulfide	U		0.00824	0.0254	1.14	09/24/2019 17:42	WG1350957
Carbon tetrachloride	U		0.00219	0.0101	1.14	09/24/2019 17:42	WG1350957
Chlorobenzene	U		0.00116	0.00507	1.14	09/24/2019 17:42	WG1350957
Chlorodibromomethane	U		0.000913	0.00507	1.14	09/24/2019 17:42	WG1350957
Chloroethane	U		0.00219	0.0101	1.14	09/24/2019 17:42	WG1350957
Chloroform	U		0.000842	0.00507	1.14	09/24/2019 17:42	WG1350957
Chloromethane	U		0.00281	0.0254	1.14	09/24/2019 17:42	WG1350957
2-Chlorotoluene	U		0.00187	0.00507	1.14	09/24/2019 17:42	WG1350957
4-Chlorotoluene	U		0.00230	0.0101	1.14	09/24/2019 17:42	WG1350957
1,2-Dibromo-3-Chloropropane	U	J0	0.0103	0.0507	1.14	09/24/2019 17:42	WG1350957
1,2-Dibromoethane	U		0.00106	0.00507	1.14	09/24/2019 17:42	WG1350957
Dibromomethane	U		0.00203	0.0101	1.14	09/24/2019 17:42	WG1350957
1,2-Dichlorobenzene	U		0.00294	0.0101	1.14	09/24/2019 17:42	WG1350957
1,3-Dichlorobenzene	U		0.00345	0.0101	1.14	09/24/2019 17:42	WG1350957
1,4-Dichlorobenzene	U		0.00399	0.0101	1.14	09/24/2019 17:42	WG1350957
Dichlorodifluoromethane	U		0.00166	0.00507	1.14	09/24/2019 17:42	WG1350957
1,1-Dichloroethane	U		0.00117	0.00507	1.14	09/24/2019 17:42	WG1350957
1,2-Dichloroethane	U		0.000965	0.00507	1.14	09/24/2019 17:42	WG1350957
1,1-Dichloroethene	U		0.00101	0.00507	1.14	09/24/2019 17:42	WG1350957
cis-1,2-Dichloroethene	U		0.00140	0.00507	1.14	09/24/2019 17:42	WG1350957
trans-1,2-Dichloroethene	U		0.00290	0.0101	1.14	09/24/2019 17:42	WG1350957
1,2-Dichloropropane	U		0.00258	0.0101	1.14	09/24/2019 17:42	WG1350957
1,1-Dichloropropene	U		0.00142	0.00507	1.14	09/24/2019 17:42	WG1350957
1,3-Dichloropropane	U		0.00356	0.0101	1.14	09/24/2019 17:42	WG1350957
cis-1,3-Dichloropropene	U		0.00138	0.00507	1.14	09/24/2019 17:42	WG1350957
trans-1,3-Dichloropropene	U		0.00310	0.0101	1.14	09/24/2019 17:42	WG1350957
trans-1,4-Dichloro-2-butene	U		0.00285	0.0101	1.14	09/24/2019 17:42	WG1350957
2,2-Dichloropropane	U		0.00161	0.00507	1.14	09/24/2019 17:42	WG1350957
Di-isopropyl ether	U		0.000710	0.00203	1.14	09/24/2019 17:42	WG1350957
Ethylbenzene	0.00123	J	0.00108	0.00507	1.14	09/24/2019 17:42	WG1350957
Hexachloro-1,3-butadiene	U		0.0258	0.0507	1.14	09/24/2019 17:42	WG1350957
2-Hexanone	U	J0	0.0203	0.0507	1.14	09/24/2019 17:42	WG1350957
n-Hexane	U	J0	0.00215	0.0101	1.14	09/24/2019 17:42	WG1350957
Iodomethane	U		0.0123	0.0254	1.14	09/24/2019 17:42	WG1350957
Isopropylbenzene	U		0.00175	0.00507	1.14	09/24/2019 17:42	WG1350957
p-Isopropyltoluene	U		0.00474	0.0101	1.14	09/24/2019 17:42	WG1350957
2-Butanone (MEK)	0.0306	J	0.0253	0.0507	1.14	09/24/2019 17:42	WG1350957
Methylene Chloride	U		0.0135	0.0507	1.14	09/24/2019 17:42	WG1350957
4-Methyl-2-pentanone (MIBK)	U		0.0203	0.0507	1.14	09/24/2019 17:42	WG1350957

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000598	0.00203	1.14	09/24/2019 17:42	WG1350957
Naphthalene	U		0.00634	0.0254	1.14	09/24/2019 17:42	WG1350957
n-Propylbenzene	U		0.00239	0.0101	1.14	09/24/2019 17:42	WG1350957
Styrene	U		0.00554	0.0254	1.14	09/24/2019 17:42	WG1350957
1,1,1,2-Tetrachloroethane	U		0.00101	0.00507	1.14	09/24/2019 17:42	WG1350957
1,1,2,2-Tetrachloroethane	U	J0 J4	0.000792	0.00507	1.14	09/24/2019 17:42	WG1350957
1,1,2-Trichlorotrifluoroethane	U		0.00137	0.00507	1.14	09/24/2019 17:42	WG1350957
Tetrachloroethene	U		0.00142	0.00507	1.14	09/24/2019 17:42	WG1350957
Toluene	0.0225		0.00253	0.0101	1.14	09/24/2019 17:42	WG1350957
1,2,3-Trichlorobenzene	U		0.00127	0.00507	1.14	09/24/2019 17:42	WG1350957
1,2,4-Trichlorobenzene	U		0.00977	0.0254	1.14	09/24/2019 17:42	WG1350957
1,1,1-Trichloroethane	U		0.000559	0.00507	1.14	09/24/2019 17:42	WG1350957
1,1,2-Trichloroethane	U		0.00180	0.00507	1.14	09/24/2019 17:42	WG1350957
Trichloroethene	U		0.000812	0.00203	1.14	09/24/2019 17:42	WG1350957
Trichlorofluoromethane	U		0.00101	0.00507	1.14	09/24/2019 17:42	WG1350957
1,2,3-Trichloropropane	U		0.0103	0.0254	1.14	09/24/2019 17:42	WG1350957
1,2,4-Trimethylbenzene	U		0.00235	0.0101	1.14	09/24/2019 17:42	WG1350957
1,2,3-Trimethylbenzene	U		0.00233	0.0101	1.14	09/24/2019 17:42	WG1350957
1,3,5-Trimethylbenzene	U		0.00219	0.0101	1.14	09/24/2019 17:42	WG1350957
Vinyl acetate	U	J0	0.00714	0.0254	1.14	09/24/2019 17:42	WG1350957
Vinyl chloride	U		0.00139	0.00507	1.14	09/24/2019 17:42	WG1350957
Xylenes, Total	U		0.00970	0.0132	1.14	09/24/2019 17:42	WG1350957
(S) Toluene-d8	*113*			*75.0-131*		*09/24/2019 17:42*	WG1350957
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/24/2019 17:42*	WG1350957
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/24/2019 17:42*	WG1350957

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.2		1	09/25/2019 14:56	WG1351921

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0511		0.0189	0.0346	1.04	09/24/2019 18:02	WG1350957
Acrylonitrile	U	J0	0.00263	0.0173	1.04	09/24/2019 18:02	WG1350957
Benzene	0.00168		0.000553	0.00138	1.04	09/24/2019 18:02	WG1350957
Bromobenzene	U		0.00145	0.0173	1.04	09/24/2019 18:02	WG1350957
Bromodichloromethane	U		0.00109	0.00346	1.04	09/24/2019 18:02	WG1350957
Bromochloromethane	U		0.00157	0.00691	1.04	09/24/2019 18:02	WG1350957
Bromoform	U		0.00827	0.0346	1.04	09/24/2019 18:02	WG1350957
Bromomethane	U		0.00512	0.0173	1.04	09/24/2019 18:02	WG1350957
n-Butylbenzene	0.0240		0.00530	0.0173	1.04	09/24/2019 18:02	WG1350957
sec-Butylbenzene	0.00548	J	0.00350	0.0173	1.04	09/24/2019 18:02	WG1350957
tert-Butylbenzene	U		0.00214	0.00691	1.04	09/24/2019 18:02	WG1350957
Carbon disulfide	U		0.00561	0.0173	1.04	09/24/2019 18:02	WG1350957
Carbon tetrachloride	U		0.00149	0.00691	1.04	09/24/2019 18:02	WG1350957
Chlorobenzene	U		0.000792	0.00346	1.04	09/24/2019 18:02	WG1350957
Chlorodibromomethane	U		0.000622	0.00346	1.04	09/24/2019 18:02	WG1350957
Chloroethane	U		0.00149	0.00691	1.04	09/24/2019 18:02	WG1350957
Chloroform	U		0.000574	0.00346	1.04	09/24/2019 18:02	WG1350957
Chloromethane	U		0.00191	0.0173	1.04	09/24/2019 18:02	WG1350957
2-Chlorotoluene	U		0.00127	0.00346	1.04	09/24/2019 18:02	WG1350957
4-Chlorotoluene	U		0.00157	0.00691	1.04	09/24/2019 18:02	WG1350957
1,2-Dibromo-3-Chloropropane	U	J0	0.00705	0.0346	1.04	09/24/2019 18:02	WG1350957
1,2-Dibromoethane	U		0.000726	0.00346	1.04	09/24/2019 18:02	WG1350957
Dibromomethane	U		0.00138	0.00691	1.04	09/24/2019 18:02	WG1350957
1,2-Dichlorobenzene	U		0.00201	0.00691	1.04	09/24/2019 18:02	WG1350957
1,3-Dichlorobenzene	U		0.00235	0.00691	1.04	09/24/2019 18:02	WG1350957
1,4-Dichlorobenzene	U		0.00273	0.00691	1.04	09/24/2019 18:02	WG1350957
Dichlorodifluoromethane	U		0.00113	0.00346	1.04	09/24/2019 18:02	WG1350957
1,1-Dichloroethane	U		0.000795	0.00346	1.04	09/24/2019 18:02	WG1350957
1,2-Dichloroethane	U		0.000657	0.00346	1.04	09/24/2019 18:02	WG1350957
1,1-Dichloroethene	U		0.000691	0.00346	1.04	09/24/2019 18:02	WG1350957
cis-1,2-Dichloroethene	0.00114	J	0.000954	0.00346	1.04	09/24/2019 18:02	WG1350957
trans-1,2-Dichloroethene	U		0.00198	0.00691	1.04	09/24/2019 18:02	WG1350957
1,2-Dichloropropane	U		0.00175	0.00691	1.04	09/24/2019 18:02	WG1350957
1,1-Dichloropropene	U		0.000968	0.00346	1.04	09/24/2019 18:02	WG1350957
1,3-Dichloropropane	U		0.00242	0.00691	1.04	09/24/2019 18:02	WG1350957
cis-1,3-Dichloropropene	U		0.000937	0.00346	1.04	09/24/2019 18:02	WG1350957
trans-1,3-Dichloropropene	U		0.00211	0.00691	1.04	09/24/2019 18:02	WG1350957
trans-1,4-Dichloro-2-butene	U		0.00194	0.00691	1.04	09/24/2019 18:02	WG1350957
2,2-Dichloropropane	U		0.00110	0.00346	1.04	09/24/2019 18:02	WG1350957
Di-isopropyl ether	U		0.000484	0.00138	1.04	09/24/2019 18:02	WG1350957
Ethylbenzene	0.00573		0.000732	0.00346	1.04	09/24/2019 18:02	WG1350957
Hexachloro-1,3-butadiene	U		0.0175	0.0346	1.04	09/24/2019 18:02	WG1350957
2-Hexanone	U	J0	0.0138	0.0346	1.04	09/24/2019 18:02	WG1350957
n-Hexane	U	J0	0.00146	0.00691	1.04	09/24/2019 18:02	WG1350957
Iodomethane	U		0.00836	0.0173	1.04	09/24/2019 18:02	WG1350957
Isopropylbenzene	0.00299	J	0.00119	0.00346	1.04	09/24/2019 18:02	WG1350957
p-Isopropyltoluene	0.00449	J	0.00322	0.00691	1.04	09/24/2019 18:02	WG1350957
2-Butanone (MEK)	U		0.0173	0.0346	1.04	09/24/2019 18:02	WG1350957
Methylene Chloride	U		0.00917	0.0346	1.04	09/24/2019 18:02	WG1350957
4-Methyl-2-pentanone (MIBK)	U		0.0138	0.0346	1.04	09/24/2019 18:02	WG1350957

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000408	0.00138	1.04	09/24/2019 18:02	WG1350957
Naphthalene	0.00533	J	0.00431	0.0173	1.04	09/24/2019 18:02	WG1350957
n-Propylbenzene	0.0288		0.00164	0.00691	1.04	09/24/2019 18:02	WG1350957
Styrene	U		0.00378	0.0173	1.04	09/24/2019 18:02	WG1350957
1,1,1,2-Tetrachloroethane	U		0.000691	0.00346	1.04	09/24/2019 18:02	WG1350957
1,1,2,2-Tetrachloroethane	U	J0 J4	0.000540	0.00346	1.04	09/24/2019 18:02	WG1350957
1,1,2-Trichlorotrifluoroethane	U		0.000933	0.00346	1.04	09/24/2019 18:02	WG1350957
Tetrachloroethene	U		0.000968	0.00346	1.04	09/24/2019 18:02	WG1350957
Toluene	0.0408		0.00173	0.00691	1.04	09/24/2019 18:02	WG1350957
1,2,3-Trichlorobenzene	U		0.000864	0.00346	1.04	09/24/2019 18:02	WG1350957
1,2,4-Trichlorobenzene	0.00710	J	0.00666	0.0173	1.04	09/24/2019 18:02	WG1350957
1,1,1-Trichloroethane	U		0.000380	0.00346	1.04	09/24/2019 18:02	WG1350957
1,1,2-Trichloroethane	U		0.00122	0.00346	1.04	09/24/2019 18:02	WG1350957
Trichloroethene	U		0.000553	0.00138	1.04	09/24/2019 18:02	WG1350957
Trichlorofluoromethane	U		0.000691	0.00346	1.04	09/24/2019 18:02	WG1350957
1,2,3-Trichloropropane	U		0.00705	0.0173	1.04	09/24/2019 18:02	WG1350957
1,2,4-Trimethylbenzene	0.00499	J	0.00161	0.00691	1.04	09/24/2019 18:02	WG1350957
1,2,3-Trimethylbenzene	0.00854		0.00160	0.00691	1.04	09/24/2019 18:02	WG1350957
1,3,5-Trimethylbenzene	U		0.00149	0.00691	1.04	09/24/2019 18:02	WG1350957
Vinyl acetate	U	J0	0.00487	0.0173	1.04	09/24/2019 18:02	WG1350957
Vinyl chloride	U		0.000944	0.00346	1.04	09/24/2019 18:02	WG1350957
Xylenes, Total	0.0241		0.00661	0.00899	1.04	09/24/2019 18:02	WG1350957
(S) Toluene-d8	*112*			*75.0-131*		*09/24/2019 18:02*	WG1350957
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/24/2019 18:02*	WG1350957
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/24/2019 18:02*	WG1350957

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	09/25/2019 14:56	WG1351921

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0328		0.0148	0.0270	1	09/24/2019 18:22	WG1350957
Acrylonitrile	U	J0	0.00206	0.0135	1	09/24/2019 18:22	WG1350957
Benzene	U		0.000433	0.00108	1	09/24/2019 18:22	WG1350957
Bromobenzene	U		0.00114	0.0135	1	09/24/2019 18:22	WG1350957
Bromodichloromethane	U		0.000853	0.00270	1	09/24/2019 18:22	WG1350957
Bromochloromethane	U		0.00122	0.00541	1	09/24/2019 18:22	WG1350957
Bromoform	U		0.00647	0.0270	1	09/24/2019 18:22	WG1350957
Bromomethane	U		0.00400	0.0135	1	09/24/2019 18:22	WG1350957
n-Butylbenzene	0.0365		0.00415	0.0135	1	09/24/2019 18:22	WG1350957
sec-Butylbenzene	0.0340		0.00274	0.0135	1	09/24/2019 18:22	WG1350957
tert-Butylbenzene	U		0.00168	0.00541	1	09/24/2019 18:22	WG1350957
Carbon disulfide	U		0.00439	0.0135	1	09/24/2019 18:22	WG1350957
Carbon tetrachloride	U		0.00117	0.00541	1	09/24/2019 18:22	WG1350957
Chlorobenzene	U		0.000620	0.00270	1	09/24/2019 18:22	WG1350957
Chlorodibromomethane	U		0.000487	0.00270	1	09/24/2019 18:22	WG1350957
Chloroethane	U		0.00117	0.00541	1	09/24/2019 18:22	WG1350957
Chloroform	U		0.000449	0.00270	1	09/24/2019 18:22	WG1350957
Chloromethane	U		0.00150	0.0135	1	09/24/2019 18:22	WG1350957
2-Chlorotoluene	U		0.000995	0.00270	1	09/24/2019 18:22	WG1350957
4-Chlorotoluene	U		0.00122	0.00541	1	09/24/2019 18:22	WG1350957
1,2-Dibromo-3-Chloropropane	U	J0	0.00552	0.0270	1	09/24/2019 18:22	WG1350957
1,2-Dibromoethane	U		0.000568	0.00270	1	09/24/2019 18:22	WG1350957
Dibromomethane	U		0.00108	0.00541	1	09/24/2019 18:22	WG1350957
1,2-Dichlorobenzene	U		0.00157	0.00541	1	09/24/2019 18:22	WG1350957
1,3-Dichlorobenzene	U		0.00184	0.00541	1	09/24/2019 18:22	WG1350957
1,4-Dichlorobenzene	U		0.00213	0.00541	1	09/24/2019 18:22	WG1350957
Dichlorodifluoromethane	U		0.000885	0.00270	1	09/24/2019 18:22	WG1350957
1,1-Dichloroethane	U		0.000622	0.00270	1	09/24/2019 18:22	WG1350957
1,2-Dichloroethane	U		0.000514	0.00270	1	09/24/2019 18:22	WG1350957
1,1-Dichloroethene	U		0.000541	0.00270	1	09/24/2019 18:22	WG1350957
cis-1,2-Dichloroethene	U		0.000747	0.00270	1	09/24/2019 18:22	WG1350957
trans-1,2-Dichloroethene	U		0.00155	0.00541	1	09/24/2019 18:22	WG1350957
1,2-Dichloropropane	U		0.00137	0.00541	1	09/24/2019 18:22	WG1350957
1,1-Dichloropropene	U		0.000757	0.00270	1	09/24/2019 18:22	WG1350957
1,3-Dichloropropane	U		0.00189	0.00541	1	09/24/2019 18:22	WG1350957
cis-1,3-Dichloropropene	U		0.000734	0.00270	1	09/24/2019 18:22	WG1350957
trans-1,3-Dichloropropene	U		0.00166	0.00541	1	09/24/2019 18:22	WG1350957
trans-1,4-Dichloro-2-butene	U		0.00151	0.00541	1	09/24/2019 18:22	WG1350957
2,2-Dichloropropane	U		0.000858	0.00270	1	09/24/2019 18:22	WG1350957
Di-isopropyl ether	U		0.000379	0.00108	1	09/24/2019 18:22	WG1350957
Ethylbenzene	U		0.000573	0.00270	1	09/24/2019 18:22	WG1350957
Hexachloro-1,3-butadiene	U		0.0137	0.0270	1	09/24/2019 18:22	WG1350957
2-Hexanone	U	J0	0.0108	0.0270	1	09/24/2019 18:22	WG1350957
n-Hexane	0.00561	J0	0.00115	0.00541	1	09/24/2019 18:22	WG1350957
Iodomethane	U		0.00655	0.0135	1	09/24/2019 18:22	WG1350957
Isopropylbenzene	U		0.000934	0.00270	1	09/24/2019 18:22	WG1350957
p-Isopropyltoluene	U		0.00252	0.00541	1	09/24/2019 18:22	WG1350957
2-Butanone (MEK)	U		0.0135	0.0270	1	09/24/2019 18:22	WG1350957
Methylene Chloride	U		0.00718	0.0270	1	09/24/2019 18:22	WG1350957
4-Methyl-2-pentanone (MIBK)	U		0.0108	0.0270	1	09/24/2019 18:22	WG1350957

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000319	0.00108	1	09/24/2019 18:22	WG1350957
Naphthalene	U		0.00338	0.0135	1	09/24/2019 18:22	WG1350957
n-Propylbenzene	U		0.00128	0.00541	1	09/24/2019 18:22	WG1350957
Styrene	U		0.00295	0.0135	1	09/24/2019 18:22	WG1350957
1,1,1,2-Tetrachloroethane	U		0.000541	0.00270	1	09/24/2019 18:22	WG1350957
1,1,2,2-Tetrachloroethane	U	J0 J4	0.000422	0.00270	1	09/24/2019 18:22	WG1350957
1,1,2-Trichlorotrifluoroethane	U		0.000730	0.00270	1	09/24/2019 18:22	WG1350957
Tetrachloroethene	U		0.000757	0.00270	1	09/24/2019 18:22	WG1350957
Toluene	0.00520	J	0.00135	0.00541	1	09/24/2019 18:22	WG1350957
1,2,3-Trichlorobenzene	U		0.000676	0.00270	1	09/24/2019 18:22	WG1350957
1,2,4-Trichlorobenzene	0.0271		0.00522	0.0135	1	09/24/2019 18:22	WG1350957
1,1,1-Trichloroethane	U		0.000298	0.00270	1	09/24/2019 18:22	WG1350957
1,1,2-Trichloroethane	U		0.000955	0.00270	1	09/24/2019 18:22	WG1350957
Trichloroethene	U		0.000433	0.00108	1	09/24/2019 18:22	WG1350957
Trichlorofluoromethane	U		0.000541	0.00270	1	09/24/2019 18:22	WG1350957
1,2,3-Trichloropropane	U		0.00552	0.0135	1	09/24/2019 18:22	WG1350957
1,2,4-Trimethylbenzene	U		0.00126	0.00541	1	09/24/2019 18:22	WG1350957
1,2,3-Trimethylbenzene	0.0176		0.00124	0.00541	1	09/24/2019 18:22	WG1350957
1,3,5-Trimethylbenzene	U		0.00117	0.00541	1	09/24/2019 18:22	WG1350957
Vinyl acetate	U	J0	0.00381	0.0135	1	09/24/2019 18:22	WG1350957
Vinyl chloride	U		0.000739	0.00270	1	09/24/2019 18:22	WG1350957
Xylenes, Total	U		0.00517	0.00703	1	09/24/2019 18:22	WG1350957
(S) Toluene-d8	*112*			*75.0-131*		*09/24/2019 18:22*	WG1350957
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/24/2019 18:22*	WG1350957
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*09/24/2019 18:22*	WG1350957

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	09/25/2019 14:56	WG1351921

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0944		0.0153	0.0280	1	09/24/2019 18:42	WG1350957
Acrylonitrile	U	J0	0.00213	0.0140	1	09/24/2019 18:42	WG1350957
Benzene	0.00102	J	0.000447	0.00112	1	09/24/2019 18:42	WG1350957
Bromobenzene	U		0.00117	0.0140	1	09/24/2019 18:42	WG1350957
Bromodichloromethane	U		0.000881	0.00280	1	09/24/2019 18:42	WG1350957
Bromochloromethane	U		0.00126	0.00559	1	09/24/2019 18:42	WG1350957
Bromoform	U		0.00669	0.0280	1	09/24/2019 18:42	WG1350957
Bromomethane	U		0.00414	0.0140	1	09/24/2019 18:42	WG1350957
n-Butylbenzene	0.0153		0.00430	0.0140	1	09/24/2019 18:42	WG1350957
sec-Butylbenzene	0.0161		0.00283	0.0140	1	09/24/2019 18:42	WG1350957
tert-Butylbenzene	U		0.00173	0.00559	1	09/24/2019 18:42	WG1350957
Carbon disulfide	U		0.00454	0.0140	1	09/24/2019 18:42	WG1350957
Carbon tetrachloride	U		0.00121	0.00559	1	09/24/2019 18:42	WG1350957
Chlorobenzene	U		0.000641	0.00280	1	09/24/2019 18:42	WG1350957
Chlorodibromomethane	U		0.000503	0.00280	1	09/24/2019 18:42	WG1350957
Chloroethane	U		0.00121	0.00559	1	09/24/2019 18:42	WG1350957
Chloroform	U		0.000464	0.00280	1	09/24/2019 18:42	WG1350957
Chloromethane	U		0.00155	0.0140	1	09/24/2019 18:42	WG1350957
2-Chlorotoluene	U		0.00103	0.00280	1	09/24/2019 18:42	WG1350957
4-Chlorotoluene	U		0.00126	0.00559	1	09/24/2019 18:42	WG1350957
1,2-Dibromo-3-Chloropropane	U	J0	0.00570	0.0280	1	09/24/2019 18:42	WG1350957
1,2-Dibromoethane	U		0.000587	0.00280	1	09/24/2019 18:42	WG1350957
Dibromomethane	U		0.00112	0.00559	1	09/24/2019 18:42	WG1350957
1,2-Dichlorobenzene	U		0.00162	0.00559	1	09/24/2019 18:42	WG1350957
1,3-Dichlorobenzene	U		0.00190	0.00559	1	09/24/2019 18:42	WG1350957
1,4-Dichlorobenzene	U		0.00220	0.00559	1	09/24/2019 18:42	WG1350957
Dichlorodifluoromethane	U		0.000915	0.00280	1	09/24/2019 18:42	WG1350957
1,1-Dichloroethane	U		0.000643	0.00280	1	09/24/2019 18:42	WG1350957
1,2-Dichloroethane	U		0.000531	0.00280	1	09/24/2019 18:42	WG1350957
1,1-Dichloroethene	U		0.000559	0.00280	1	09/24/2019 18:42	WG1350957
cis-1,2-Dichloroethene	U		0.000772	0.00280	1	09/24/2019 18:42	WG1350957
trans-1,2-Dichloroethene	U		0.00160	0.00559	1	09/24/2019 18:42	WG1350957
1,2-Dichloropropane	U		0.00142	0.00559	1	09/24/2019 18:42	WG1350957
1,1-Dichloropropene	U		0.000783	0.00280	1	09/24/2019 18:42	WG1350957
1,3-Dichloropropane	U		0.00196	0.00559	1	09/24/2019 18:42	WG1350957
cis-1,3-Dichloropropene	U		0.000758	0.00280	1	09/24/2019 18:42	WG1350957
trans-1,3-Dichloropropene	U		0.00171	0.00559	1	09/24/2019 18:42	WG1350957
trans-1,4-Dichloro-2-butene	U		0.00157	0.00559	1	09/24/2019 18:42	WG1350957
2,2-Dichloropropane	U		0.000887	0.00280	1	09/24/2019 18:42	WG1350957
Di-isopropyl ether	U		0.000392	0.00112	1	09/24/2019 18:42	WG1350957
Ethylbenzene	U		0.000593	0.00280	1	09/24/2019 18:42	WG1350957
Hexachloro-1,3-butadiene	U		0.0142	0.0280	1	09/24/2019 18:42	WG1350957
2-Hexanone	U	J0	0.0112	0.0280	1	09/24/2019 18:42	WG1350957
n-Hexane	U	J0	0.00119	0.00559	1	09/24/2019 18:42	WG1350957
Iodomethane	U		0.00677	0.0140	1	09/24/2019 18:42	WG1350957
Isopropylbenzene	0.00244	J	0.000965	0.00280	1	09/24/2019 18:42	WG1350957
p-Isopropyltoluene	U		0.00261	0.00559	1	09/24/2019 18:42	WG1350957
2-Butanone (MEK)	0.0263	J	0.0140	0.0280	1	09/24/2019 18:42	WG1350957
Methylene Chloride	U		0.00743	0.0280	1	09/24/2019 18:42	WG1350957
4-Methyl-2-pentanone (MIBK)	U		0.0112	0.0280	1	09/24/2019 18:42	WG1350957

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000330	0.00112	1	09/24/2019 18:42	WG1350957
Naphthalene	U		0.00349	0.0140	1	09/24/2019 18:42	WG1350957
n-Propylbenzene	U		0.00132	0.00559	1	09/24/2019 18:42	WG1350957
Styrene	U		0.00305	0.0140	1	09/24/2019 18:42	WG1350957
1,1,1,2-Tetrachloroethane	U		0.000559	0.00280	1	09/24/2019 18:42	WG1350957
1,1,2,2-Tetrachloroethane	U	J0 J4	0.000436	0.00280	1	09/24/2019 18:42	WG1350957
1,1,2-Trichlorotrifluoroethane	U		0.000755	0.00280	1	09/24/2019 18:42	WG1350957
Tetrachloroethene	U		0.000783	0.00280	1	09/24/2019 18:42	WG1350957
Toluene	0.00658		0.00140	0.00559	1	09/24/2019 18:42	WG1350957
1,2,3-Trichlorobenzene	U		0.000699	0.00280	1	09/24/2019 18:42	WG1350957
1,2,4-Trichlorobenzene	0.0169		0.00539	0.0140	1	09/24/2019 18:42	WG1350957
1,1,1-Trichloroethane	U		0.000308	0.00280	1	09/24/2019 18:42	WG1350957
1,1,2-Trichloroethane	U		0.000988	0.00280	1	09/24/2019 18:42	WG1350957
Trichloroethene	U		0.000447	0.00112	1	09/24/2019 18:42	WG1350957
Trichlorofluoromethane	U		0.000559	0.00280	1	09/24/2019 18:42	WG1350957
1,2,3-Trichloropropane	U		0.00570	0.0140	1	09/24/2019 18:42	WG1350957
1,2,4-Trimethylbenzene	0.00219	J	0.00130	0.00559	1	09/24/2019 18:42	WG1350957
1,2,3-Trimethylbenzene	0.0132		0.00129	0.00559	1	09/24/2019 18:42	WG1350957
1,3,5-Trimethylbenzene	U		0.00121	0.00559	1	09/24/2019 18:42	WG1350957
Vinyl acetate	U	J0	0.00394	0.0140	1	09/24/2019 18:42	WG1350957
Vinyl chloride	U		0.000764	0.00280	1	09/24/2019 18:42	WG1350957
Xylenes, Total	0.00660	J	0.00535	0.00727	1	09/24/2019 18:42	WG1350957
(S) Toluene-d8	*112*			*75.0-131*		*09/24/2019 18:42*	WG1350957
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*09/24/2019 18:42*	WG1350957
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*		*09/24/2019 18:42*	WG1350957

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.6		1	09/25/2019 14:56	WG1351921

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0620		0.0158	0.0289	1	09/24/2019 19:03	WG1350957
Acrylonitrile	U	J0	0.00219	0.0144	1	09/24/2019 19:03	WG1350957
Benzene	U		0.000462	0.00115	1	09/24/2019 19:03	WG1350957
Bromobenzene	U		0.00121	0.0144	1	09/24/2019 19:03	WG1350957
Bromodichloromethane	U		0.000910	0.00289	1	09/24/2019 19:03	WG1350957
Bromochloromethane	U		0.00130	0.00577	1	09/24/2019 19:03	WG1350957
Bromoform	U		0.00690	0.0289	1	09/24/2019 19:03	WG1350957
Bromomethane	U		0.00427	0.0144	1	09/24/2019 19:03	WG1350957
n-Butylbenzene	U		0.00443	0.0144	1	09/24/2019 19:03	WG1350957
sec-Butylbenzene	U		0.00292	0.0144	1	09/24/2019 19:03	WG1350957
tert-Butylbenzene	U		0.00179	0.00577	1	09/24/2019 19:03	WG1350957
Carbon disulfide	U		0.00469	0.0144	1	09/24/2019 19:03	WG1350957
Carbon tetrachloride	U		0.00125	0.00577	1	09/24/2019 19:03	WG1350957
Chlorobenzene	U		0.000662	0.00289	1	09/24/2019 19:03	WG1350957
Chlorodibromomethane	U		0.000520	0.00289	1	09/24/2019 19:03	WG1350957
Chloroethane	U		0.00125	0.00577	1	09/24/2019 19:03	WG1350957
Chloroform	U		0.000479	0.00289	1	09/24/2019 19:03	WG1350957
Chloromethane	U		0.00160	0.0144	1	09/24/2019 19:03	WG1350957
2-Chlorotoluene	U		0.00106	0.00289	1	09/24/2019 19:03	WG1350957
4-Chlorotoluene	U		0.00130	0.00577	1	09/24/2019 19:03	WG1350957
1,2-Dibromo-3-Chloropropane	U	J0	0.00589	0.0289	1	09/24/2019 19:03	WG1350957
1,2-Dibromoethane	U		0.000606	0.00289	1	09/24/2019 19:03	WG1350957
Dibromomethane	U		0.00115	0.00577	1	09/24/2019 19:03	WG1350957
1,2-Dichlorobenzene	U		0.00167	0.00577	1	09/24/2019 19:03	WG1350957
1,3-Dichlorobenzene	U		0.00196	0.00577	1	09/24/2019 19:03	WG1350957
1,4-Dichlorobenzene	U		0.00227	0.00577	1	09/24/2019 19:03	WG1350957
Dichlorodifluoromethane	U		0.000944	0.00289	1	09/24/2019 19:03	WG1350957
1,1-Dichloroethane	U		0.000664	0.00289	1	09/24/2019 19:03	WG1350957
1,2-Dichloroethane	U		0.000548	0.00289	1	09/24/2019 19:03	WG1350957
1,1-Dichloroethene	U		0.000577	0.00289	1	09/24/2019 19:03	WG1350957
cis-1,2-Dichloroethene	U		0.000797	0.00289	1	09/24/2019 19:03	WG1350957
trans-1,2-Dichloroethene	U		0.00165	0.00577	1	09/24/2019 19:03	WG1350957
1,2-Dichloropropane	U		0.00147	0.00577	1	09/24/2019 19:03	WG1350957
1,1-Dichloropropene	U		0.000808	0.00289	1	09/24/2019 19:03	WG1350957
1,3-Dichloropropane	U		0.00202	0.00577	1	09/24/2019 19:03	WG1350957
cis-1,3-Dichloropropene	U		0.000783	0.00289	1	09/24/2019 19:03	WG1350957
trans-1,3-Dichloropropene	U		0.00177	0.00577	1	09/24/2019 19:03	WG1350957
trans-1,4-Dichloro-2-butene	U		0.00162	0.00577	1	09/24/2019 19:03	WG1350957
2,2-Dichloropropane	U		0.000916	0.00289	1	09/24/2019 19:03	WG1350957
Di-isopropyl ether	U		0.000404	0.00115	1	09/24/2019 19:03	WG1350957
Ethylbenzene	U		0.000612	0.00289	1	09/24/2019 19:03	WG1350957
Hexachloro-1,3-butadiene	U		0.0147	0.0289	1	09/24/2019 19:03	WG1350957
2-Hexanone	U	J0	0.0115	0.0289	1	09/24/2019 19:03	WG1350957
n-Hexane	U	J0	0.00122	0.00577	1	09/24/2019 19:03	WG1350957
Iodomethane	U		0.00699	0.0144	1	09/24/2019 19:03	WG1350957
Isopropylbenzene	U		0.000996	0.00289	1	09/24/2019 19:03	WG1350957
p-Isopropyltoluene	U		0.00269	0.00577	1	09/24/2019 19:03	WG1350957
2-Butanone (MEK)	0.0168	J	0.0144	0.0289	1	09/24/2019 19:03	WG1350957
Methylene Chloride	U		0.00767	0.0289	1	09/24/2019 19:03	WG1350957
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0289	1	09/24/2019 19:03	WG1350957

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000341	0.00115	1	09/24/2019 19:03	WG1350957
Naphthalene	U		0.00360	0.0144	1	09/24/2019 19:03	WG1350957
n-Propylbenzene	U		0.00136	0.00577	1	09/24/2019 19:03	WG1350957
Styrene	U		0.00315	0.0144	1	09/24/2019 19:03	WG1350957
1,1,1,2-Tetrachloroethane	U		0.000577	0.00289	1	09/24/2019 19:03	WG1350957
1,1,2,2-Tetrachloroethane	U	J0 J4	0.000450	0.00289	1	09/24/2019 19:03	WG1350957
1,1,2-Trichlorotrifluoroethane	U		0.000779	0.00289	1	09/24/2019 19:03	WG1350957
Tetrachloroethene	U		0.000808	0.00289	1	09/24/2019 19:03	WG1350957
Toluene	0.00987		0.00144	0.00577	1	09/24/2019 19:03	WG1350957
1,2,3-Trichlorobenzene	U		0.000722	0.00289	1	09/24/2019 19:03	WG1350957
1,2,4-Trichlorobenzene	U		0.00557	0.0144	1	09/24/2019 19:03	WG1350957
1,1,1-Trichloroethane	U		0.000318	0.00289	1	09/24/2019 19:03	WG1350957
1,1,2-Trichloroethane	U		0.00102	0.00289	1	09/24/2019 19:03	WG1350957
Trichloroethene	U		0.000462	0.00115	1	09/24/2019 19:03	WG1350957
Trichlorofluoromethane	U		0.000577	0.00289	1	09/24/2019 19:03	WG1350957
1,2,3-Trichloropropane	U		0.00589	0.0144	1	09/24/2019 19:03	WG1350957
1,2,4-Trimethylbenzene	U		0.00134	0.00577	1	09/24/2019 19:03	WG1350957
1,2,3-Trimethylbenzene	U		0.00133	0.00577	1	09/24/2019 19:03	WG1350957
1,3,5-Trimethylbenzene	U		0.00125	0.00577	1	09/24/2019 19:03	WG1350957
Vinyl acetate	U	J0	0.00406	0.0144	1	09/24/2019 19:03	WG1350957
Vinyl chloride	U		0.000789	0.00289	1	09/24/2019 19:03	WG1350957
Xylenes, Total	U		0.00552	0.00750	1	09/24/2019 19:03	WG1350957
(S) Toluene-d8	*109*			*75.0-131*		*09/24/2019 19:03*	WG1350957
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/24/2019 19:03*	WG1350957
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/24/2019 19:03*	WG1350957

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.18	B J J0	1.05	25.0	1	09/25/2019 13:34	WG1351851
Acrylonitrile	U	J0	0.873	5.00	1	09/25/2019 13:34	WG1351851
Benzene	U		0.0896	0.500	1	09/25/2019 13:34	WG1351851
Bromobenzene	U		0.133	0.500	1	09/25/2019 13:34	WG1351851
Bromodichloromethane	U		0.0800	0.500	1	09/25/2019 13:34	WG1351851
Bromochloromethane	U		0.145	0.500	1	09/25/2019 13:34	WG1351851
Bromoform	U		0.186	0.500	1	09/25/2019 13:34	WG1351851
Bromomethane	U		0.157	2.50	1	09/25/2019 13:34	WG1351851
n-Butylbenzene	U		0.143	0.500	1	09/25/2019 13:34	WG1351851
sec-Butylbenzene	U		0.134	0.500	1	09/25/2019 13:34	WG1351851
tert-Butylbenzene	U		0.183	0.500	1	09/25/2019 13:34	WG1351851
Carbon disulfide	U		0.101	0.500	1	09/25/2019 13:34	WG1351851
Carbon tetrachloride	U		0.159	0.500	1	09/25/2019 13:34	WG1351851
Chlorobenzene	U		0.140	0.500	1	09/25/2019 13:34	WG1351851
Chlorodibromomethane	U		0.128	0.500	1	09/25/2019 13:34	WG1351851
Chloroethane	U		0.141	2.50	1	09/25/2019 13:34	WG1351851
Chloroform	U		0.0860	0.500	1	09/25/2019 13:34	WG1351851
Chloromethane	U		0.153	1.25	1	09/25/2019 13:34	WG1351851
2-Chlorotoluene	U		0.111	0.500	1	09/25/2019 13:34	WG1351851
4-Chlorotoluene	U		0.0972	0.500	1	09/25/2019 13:34	WG1351851
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/25/2019 13:34	WG1351851
1,2-Dibromoethane	U		0.193	0.500	1	09/25/2019 13:34	WG1351851
Dibromomethane	U		0.117	0.500	1	09/25/2019 13:34	WG1351851
1,2-Dichlorobenzene	U		0.101	0.500	1	09/25/2019 13:34	WG1351851
1,3-Dichlorobenzene	U		0.130	0.500	1	09/25/2019 13:34	WG1351851
1,4-Dichlorobenzene	U		0.121	0.500	1	09/25/2019 13:34	WG1351851
Dichlorodifluoromethane	U		0.127	2.50	1	09/25/2019 13:34	WG1351851
1,1-Dichloroethane	U		0.114	0.500	1	09/25/2019 13:34	WG1351851
1,2-Dichloroethane	U		0.108	0.500	1	09/25/2019 13:34	WG1351851
1,1-Dichloroethene	U		0.188	0.500	1	09/25/2019 13:34	WG1351851
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/25/2019 13:34	WG1351851
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/25/2019 13:34	WG1351851
1,2-Dichloropropane	U		0.190	0.500	1	09/25/2019 13:34	WG1351851
1,1-Dichloropropene	U		0.128	0.500	1	09/25/2019 13:34	WG1351851
1,3-Dichloropropane	U		0.147	1.00	1	09/25/2019 13:34	WG1351851
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/25/2019 13:34	WG1351851
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/25/2019 13:34	WG1351851
trans-1,4-Dichloro-2-butene	U	J0 J4	0.257	5.00	1	09/25/2019 13:34	WG1351851
2,2-Dichloropropane	U		0.0929	0.500	1	09/25/2019 13:34	WG1351851
Di-isopropyl ether	U		0.0924	0.500	1	09/25/2019 13:34	WG1351851
Ethylbenzene	U		0.158	0.500	1	09/25/2019 13:34	WG1351851
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/25/2019 13:34	WG1351851
2-Hexanone	U		0.757	5.00	1	09/25/2019 13:34	WG1351851
n-Hexane	U		0.305	5.00	1	09/25/2019 13:34	WG1351851
Iodomethane	U		0.377	10.0	1	09/25/2019 13:34	WG1351851
Isopropylbenzene	U		0.126	0.500	1	09/25/2019 13:34	WG1351851
p-Isopropyltoluene	U		0.138	0.500	1	09/25/2019 13:34	WG1351851
2-Butanone (MEK)	U	J0	1.28	5.00	1	09/25/2019 13:34	WG1351851
Methylene Chloride	U		1.07	2.50	1	09/25/2019 13:34	WG1351851
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/25/2019 13:34	WG1351851
Methyl tert-butyl ether	U		0.102	0.500	1	09/25/2019 13:34	WG1351851
Naphthalene	U		0.174	2.50	1	09/25/2019 13:34	WG1351851
n-Propylbenzene	U		0.162	0.500	1	09/25/2019 13:34	WG1351851
Styrene	U		0.117	0.500	1	09/25/2019 13:34	WG1351851
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/25/2019 13:34	WG1351851
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/25/2019 13:34	WG1351851

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/25/2019 13:34	WG1351851
Tetrachloroethene	U		0.199	0.500	1	09/25/2019 13:34	WG1351851
Toluene	U		0.412	0.500	1	09/25/2019 13:34	WG1351851
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/25/2019 13:34	WG1351851
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/25/2019 13:34	WG1351851
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/25/2019 13:34	WG1351851
1,1,2-Trichloroethane	U		0.186	0.500	1	09/25/2019 13:34	WG1351851
Trichloroethene	U		0.153	0.500	1	09/25/2019 13:34	WG1351851
Trichlorofluoromethane	U		0.130	2.50	1	09/25/2019 13:34	WG1351851
1,2,3-Trichloropropane	U	J0	0.247	2.50	1	09/25/2019 13:34	WG1351851
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/25/2019 13:34	WG1351851
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/25/2019 13:34	WG1351851
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/25/2019 13:34	WG1351851
Vinyl acetate	U	J3	0.645	5.00	1	09/25/2019 13:34	WG1351851
Vinyl chloride	U		0.118	0.500	1	09/25/2019 13:34	WG1351851
Xylenes, Total	U		0.316	1.50	1	09/25/2019 13:34	WG1351851
(S) Toluene-d8	*97.8*			*80.0-120*		*09/25/2019 13:34*	WG1351851
(S) 4-Bromofluorobenzene	*99.7*			*77.0-126*		*09/25/2019 13:34*	WG1351851
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/25/2019 13:34*	WG1351851

Method Blank (MB)

(MB) R3454795-1 09/25/19 14:56

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

L1141319-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1141319-04 09/25/19 14:56 • (DUP) R3454795-3 09/25/19 14:56

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	79.8	78.6	1	1.43		10

Laboratory Control Sample (LCS)

(LCS) R3454795-2 09/25/19 14:56

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) R3453960-2 09/24/19 10:37

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	0.00137	J	0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3453960-2 09/24/19 10:37

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*114*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3453960-1 09/24/19 08:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.509	81.5	10.0-160	
Acrylonitrile	0.625	0.461	73.8	45.0-153	
Benzene	0.125	0.114	91.3	70.0-123	
Bromobenzene	0.125	0.123	98.6	73.0-121	
Bromodichloromethane	0.125	0.122	97.9	73.0-121	
Bromochloromethane	0.125	0.139	111	77.0-128	
Bromoform	0.125	0.119	95.1	64.0-132	
Bromomethane	0.125	0.125	100	56.0-147	
n-Butylbenzene	0.125	0.110	88.4	68.0-135	
sec-Butylbenzene	0.125	0.135	108	74.0-130	
tert-Butylbenzene	0.125	0.129	103	75.0-127	
Carbon disulfide	0.125	0.105	84.3	56.0-133	
Carbon tetrachloride	0.125	0.135	108	66.0-128	
Chlorobenzene	0.125	0.116	92.9	76.0-128	
Chlorodibromomethane	0.125	0.130	104	74.0-127	
Chloroethane	0.125	0.120	96.1	61.0-134	
Chloroform	0.125	0.104	82.8	72.0-123	
Chloromethane	0.125	0.121	97.0	51.0-138	
2-Chlorotoluene	0.125	0.115	91.9	75.0-124	
4-Chlorotoluene	0.125	0.124	98.9	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.112	89.5	59.0-130	
1,2-Dibromoethane	0.125	0.131	104	74.0-128	
Dibromomethane	0.125	0.105	84.3	75.0-122	
1,2-Dichlorobenzene	0.125	0.128	102	76.0-124	
1,3-Dichlorobenzene	0.125	0.133	106	76.0-125	
1,4-Dichlorobenzene	0.125	0.118	94.2	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.117	93.4	45.0-143	
Dichlorodifluoromethane	0.125	0.136	109	43.0-156	
1,1-Dichloroethane	0.125	0.122	97.3	70.0-127	
1,2-Dichloroethane	0.125	0.122	97.4	65.0-131	
1,1-Dichloroethene	0.125	0.121	97.1	65.0-131	
cis-1,2-Dichloroethene	0.125	0.109	87.6	73.0-125	
trans-1,2-Dichloroethene	0.125	0.120	95.8	71.0-125	
1,2-Dichloropropane	0.125	0.117	93.7	74.0-125	
1,1-Dichloropropene	0.125	0.125	99.8	73.0-125	
1,3-Dichloropropane	0.125	0.122	97.4	80.0-125	
cis-1,3-Dichloropropene	0.125	0.106	84.6	76.0-127	
trans-1,3-Dichloropropene	0.125	0.122	97.3	73.0-127	
2,2-Dichloropropane	0.125	0.105	84.4	59.0-135	
Di-isopropyl ether	0.125	0.103	82.3	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3453960-1 09/24/19 08:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.125	99.8	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.127	102	57.0-150	
2-Hexanone	0.625	0.527	84.4	54.0-147	
n-Hexane	0.125	0.0822	65.7	55.0-137	
Iodomethane	0.625	0.650	104	74.0-134	
Isopropylbenzene	0.125	0.119	94.9	72.0-127	
p-Isopropyltoluene	0.125	0.118	94.0	72.0-133	
2-Butanone (MEK)	0.625	0.513	82.1	30.0-160	
Methylene Chloride	0.125	0.116	92.5	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.542	86.8	56.0-143	
Methyl tert-butyl ether	0.125	0.122	97.4	66.0-132	
Naphthalene	0.125	0.120	96.2	59.0-130	
n-Propylbenzene	0.125	0.113	90.4	74.0-126	
Styrene	0.125	0.125	99.8	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.141	113	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0849	67.9	68.0-128	J4
Tetrachloroethene	0.125	0.149	119	70.0-136	
Toluene	0.125	0.122	97.9	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.103	82.1	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.121	96.6	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.136	109	62.0-137	
1,1,1-Trichloroethane	0.125	0.134	107	69.0-126	
1,1,2-Trichloroethane	0.125	0.135	108	78.0-123	
Trichloroethene	0.125	0.136	109	76.0-126	
Trichlorofluoromethane	0.125	0.111	89.0	61.0-142	
1,2,3-Trichloropropane	0.125	0.116	92.5	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.128	102	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.126	100	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.119	95.2	73.0-127	
Vinyl acetate	0.625	0.328	52.5	43.0-159	
Vinyl chloride	0.125	0.137	109	63.0-134	
Xylenes, Total	0.375	0.379	101	72.0-127	
(S) Toluene-d8			*115*	*75.0-131*	
(S) 4-Bromofluorobenzene			*105*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*99.6*	*70.0-130*	

L1141303-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1141303-01 09/24/19 12:56 • (MS) R3453960-3 09/24/19 19:23 • (MSD) R3453960-4 09/24/19 19:43

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	0.782	0.0361	0.616	0.486	74.1	57.5	1	10.0-160			23.6	40
Benzene	0.156	U	0.132	0.116	84.5	74.1	1	10.0-149			13.2	37
Acrylonitrile	0.782	U	0.610	0.479	78.0	61.2	1	10.0-160			24.1	40
Bromobenzene	0.156	U	0.138	0.121	88.2	77.1	1	10.0-156			13.5	38
Bromodichloromethane	0.156	U	0.144	0.118	92.0	75.4	1	10.0-143			19.9	37
Bromochloromethane	0.156	U	0.157	0.137	101	87.5	1	10.0-155			13.9	33
Bromoform	0.156	U	0.139	0.118	88.9	75.5	1	10.0-146			16.3	36
Bromomethane	0.156	U	0.0953	0.0889	60.9	56.8	1	10.0-149			6.96	38
n-Butylbenzene	0.156	U	0.142	0.122	90.5	78.0	1	10.0-160			14.8	40
sec-Butylbenzene	0.156	U	0.155	0.137	98.8	87.5	1	10.0-159			12.1	39
tert-Butylbenzene	0.156	U	0.143	0.124	91.3	79.4	1	10.0-156			14.0	39
Carbon disulfide	0.156	U	0.121	0.107	77.2	68.6	1	10.0-145			11.8	39
Carbon tetrachloride	0.156	U	0.146	0.138	93.0	88.5	1	10.0-145			4.97	37
Chlorobenzene	0.156	U	0.130	0.111	83.2	71.2	1	10.0-152			15.6	39
Chlorodibromomethane	0.156	U	0.158	0.123	101	78.4	1	10.0-146			25.2	37
Chloroethane	0.156	U	0.103	0.0912	66.1	58.3	1	10.0-146			12.6	40
Chloroform	0.156	U	0.118	0.101	75.6	64.9	1	10.0-146			15.3	37
Chloromethane	0.156	U	0.118	0.106	75.4	67.7	1	10.0-159			10.7	37
2-Chlorotoluene	0.156	U	0.133	0.109	85.1	69.9	1	10.0-159			19.6	38
4-Chlorotoluene	0.156	U	0.143	0.124	91.1	79.1	1	10.0-155			14.2	39
1,2-Dibromo-3-Chloropropane	0.156	U	0.129	0.0985	82.7	63.0	1	10.0-151			27.0	39
1,2-Dibromoethane	0.156	U	0.150	0.119	95.8	75.8	1	10.0-148			23.2	34
Dibromomethane	0.156	U	0.127	0.103	81.1	66.1	1	10.0-147			20.3	35
1,2-Dichlorobenzene	0.156	U	0.152	0.122	96.9	78.2	1	10.0-155			21.4	37
1,3-Dichlorobenzene	0.156	U	0.153	0.129	97.5	82.3	1	10.0-153			17.0	38
1,4-Dichlorobenzene	0.156	U	0.144	0.119	92.0	76.2	1	10.0-151			18.8	38
trans-1,4-Dichloro-2-butene	0.156	U	0.143	0.112	91.6	71.6	1	10.0-152			24.6	36
Dichlorodifluoromethane	0.156	U	0.137	0.132	87.4	84.3	1	10.0-160			3.68	35
1,1-Dichloroethane	0.156	U	0.139	0.123	88.8	78.7	1	10.0-147			12.0	37
1,2-Dichloroethane	0.156	U	0.146	0.119	93.3	76.0	1	10.0-148			20.4	35
1,1-Dichloroethene	0.156	U	0.144	0.134	91.9	85.5	1	10.0-155			7.19	37
cis-1,2-Dichloroethene	0.156	U	0.132	0.114	84.4	72.6	1	10.0-149			15.0	37
trans-1,2-Dichloroethene	0.156	U	0.137	0.129	87.7	82.4	1	10.0-150			6.15	37
1,2-Dichloropropane	0.156	U	0.132	0.115	84.3	73.7	1	10.0-148			13.4	37
1,1-Dichloropropene	0.156	U	0.145	0.132	92.9	84.6	1	10.0-153			9.36	35
1,3-Dichloropropane	0.156	U	0.140	0.113	89.5	72.3	1	10.0-154			21.3	35
cis-1,3-Dichloropropene	0.156	U	0.127	0.106	81.3	67.6	1	10.0-151			18.4	37
trans-1,3-Dichloropropene	0.156	U	0.149	0.122	95.3	78.3	1	10.0-148			19.6	37
2,2-Dichloropropane	0.156	U	0.119	0.117	76.3	75.1	1	10.0-138			1.62	36

L1141303-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1141303-01 09/24/19 12:56 • (MS) R3453960-3 09/24/19 19:23 • (MSD) R3453960-4 09/24/19 19:43

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 %
Ethylbenzene	0.156	U	0.152	0.133	97.3	84.8	1	10.0-160			13.7	38
Di-isopropyl ether	0.156	U	0.122	0.104	78.0	66.6	1	10.0-147			15.7	36
Hexachloro-1,3-butadiene	0.156	U	0.162	0.144	104	92.2	1	10.0-160			11.9	40
2-Hexanone	0.782	U	0.611	0.481	78.1	61.5	1	10.0-160			23.8	36
n-Hexane	0.156	U	0.119	0.113	76.0	72.5	1	10.0-157			4.66	37
Iodomethane	0.782	U	0.736	0.646	94.0	82.6	1	10.0-160			12.9	38
Isopropylbenzene	0.156	U	0.134	0.117	85.9	74.8	1	10.0-155			13.8	38
p-Isopropyltoluene	0.156	U	0.152	0.129	97.1	82.5	1	10.0-160			16.2	40
2-Butanone (MEK)	0.782	U	0.638	0.545	81.5	69.7	1	10.0-160			15.6	40
Methylene Chloride	0.156	U	0.140	0.114	89.4	73.1	1	10.0-141			20.1	37
4-Methyl-2-pentanone (MIBK)	0.782	U	0.639	0.501	81.8	64.0	1	10.0-160			24.3	35
Methyl tert-butyl ether	0.156	U	0.126	0.105	80.8	66.9	1	11.0-147			18.7	35
Naphthalene	0.156	U	0.149	0.117	95.3	74.6	1	10.0-160			24.3	36
n-Propylbenzene	0.156	U	0.130	0.112	83.1	71.6	1	10.0-158			14.9	38
Styrene	0.156	U	0.152	0.129	97.2	82.2	1	10.0-160			16.8	40
1,1,1,2-Tetrachloroethane	0.156	U	0.152	0.133	96.9	85.3	1	10.0-149			12.8	39
1,1,2,2-Tetrachloroethane	0.156	U	0.109	0.0944	69.5	60.4	1	10.0-160			14.0	35
Tetrachloroethene	0.156	U	0.166	0.146	106	93.5	1	10.0-156			12.5	39
Toluene	0.156	U	0.136	0.118	87.2	75.5	1	10.0-156			14.3	38
1,1,2-Trichlorotrifluoroethane	0.156	U	0.131	0.127	83.5	81.2	1	10.0-160			2.82	36
1,2,3-Trichlorobenzene	0.156	U	0.143	0.122	91.5	78.0	1	10.0-160			15.9	40
1,2,4-Trichlorobenzene	0.156	U	0.174	0.142	111	90.5	1	10.0-160			20.4	40
1,1,1-Trichloroethane	0.156	U	0.145	0.136	92.6	86.9	1	10.0-144			6.38	35
1,1,2-Trichloroethane	0.156	U	0.164	0.133	105	85.2	1	10.0-160			20.5	35
Trichloroethene	0.156	U	0.141	0.124	89.9	79.2	1	10.0-156			12.7	38
Trichlorofluoromethane	0.156	U	0.127	0.123	81.4	78.9	1	10.0-160			3.08	40
1,2,3-Trichloropropane	0.156	U	0.131	0.107	83.9	68.3	1	10.0-156			20.5	35
1,2,3-Trimethylbenzene	0.156	U	0.146	0.119	93.6	76.4	1	10.0-160			20.3	36
1,2,4-Trimethylbenzene	0.156	U	0.145	0.122	92.7	78.0	1	10.0-160			17.3	36
1,3,5-Trimethylbenzene	0.156	U	0.142	0.121	90.6	77.3	1	10.0-160			15.9	38
Vinyl acetate	0.782	U	0.403	0.357	51.6	45.6	1	10.0-128			12.2	40
Xylenes, Total	0.469	U	0.428	0.368	91.2	78.3	1	10.0-160			15.2	38
Vinyl chloride	0.156	U	0.111	0.0968	70.8	61.9	1	10.0-160			13.4	37
(S) Toluene-d8					*110*	*110*		*75.0-131*				
(S) 4-Bromofluorobenzene					*106*	*105*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*103*	*103*		*70.0-130*				

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

Method Blank (MB)

(MB) R3454507-2 09/25/19 08:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	1.56	J	1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3454507-2 09/25/19 08:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*97.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

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

(LCS) R3454507-1 09/25/19 07:52 • (LCSD) R3454507-3 09/25/19 12:21

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	125	186	176	149	141	19.0-160			5.74	27
Acrylonitrile	125	154	151	123	121	55.0-149			2.00	20
Benzene	25.0	25.3	23.9	101	95.8	70.0-123			5.61	20
Bromobenzene	25.0	26.2	25.4	105	102	73.0-121			2.82	20
Bromodichloromethane	25.0	26.9	26.2	107	105	75.0-120			2.50	20
Bromochloromethane	25.0	25.6	25.0	102	100	76.0-122			2.19	20
Bromoform	25.0	27.8	27.2	111	109	68.0-132			2.22	20
Bromomethane	25.0	25.2	24.1	101	96.4	10.0-160			4.65	25
n-Butylbenzene	25.0	25.2	25.5	101	102	73.0-125			0.903	20
sec-Butylbenzene	25.0	26.4	25.4	105	102	75.0-125			3.71	20
tert-Butylbenzene	25.0	27.2	26.3	109	105	76.0-124			3.28	20
Carbon disulfide	25.0	23.9	22.7	95.5	90.8	61.0-128			5.02	20
Carbon tetrachloride	25.0	25.6	24.3	103	97.3	68.0-126			5.27	20
Chlorobenzene	25.0	24.8	24.3	99.2	97.4	80.0-121			1.88	20
Chlorodibromomethane	25.0	25.7	25.3	103	101	77.0-125			1.48	20
Chloroethane	25.0	24.4	23.4	97.4	93.6	47.0-150			4.06	20
Chloroform	25.0	26.3	25.1	105	100	73.0-120			4.81	20
Chloromethane	25.0	21.0	23.0	84.0	91.9	41.0-142			8.92	20
2-Chlorotoluene	25.0	26.9	26.4	108	106	76.0-123			1.85	20
4-Chlorotoluene	25.0	27.1	26.4	108	106	75.0-122			2.42	20
1,2-Dibromo-3-Chloropropane	25.0	28.7	29.6	115	118	58.0-134			2.88	20
1,2-Dibromoethane	25.0	26.1	25.7	104	103	80.0-122			1.59	20
Dibromomethane	25.0	26.5	25.4	106	102	80.0-120			4.13	20
1,2-Dichlorobenzene	25.0	24.0	24.3	95.9	97.1	79.0-121			1.25	20
1,3-Dichlorobenzene	25.0	24.1	24.0	96.5	96.0	79.0-120			0.499	20
1,4-Dichlorobenzene	25.0	24.4	24.3	97.6	97.2	79.0-120			0.326	20
Dichlorodifluoromethane	25.0	27.8	27.0	111	108	51.0-149			3.14	20
1,1-Dichloroethane	25.0	25.2	24.2	101	96.6	70.0-126			4.05	20
1,2-Dichloroethane	25.0	26.2	25.7	105	103	70.0-128			2.00	20
1,1-Dichloroethene	25.0	25.2	23.7	101	94.9	71.0-124			6.22	20
cis-1,2-Dichloroethene	25.0	25.1	23.9	101	95.5	73.0-120			5.18	20
trans-1,2-Dichloroethene	25.0	25.7	24.5	103	98.0	73.0-120			4.87	20
1,2-Dichloropropane	25.0	25.4	24.7	101	98.9	77.0-125			2.56	20
1,1-Dichloropropene	25.0	25.4	24.8	102	99.1	74.0-126			2.37	20
1,3-Dichloropropane	25.0	26.0	25.6	104	102	80.0-120			1.63	20
cis-1,3-Dichloropropene	25.0	26.6	26.5	106	106	80.0-123			0.120	20
trans-1,3-Dichloropropene	25.0	26.1	26.5	104	106	78.0-124			1.42	20
trans-1,4-Dichloro-2-butene	25.0	37.3	39.7	149	159	33.0-144	J4	J4	6.24	20
2,2-Dichloropropane	25.0	23.6	24.3	94.6	97.1	58.0-130			2.69	20
Di-isopropyl ether	25.0	26.8	26.1	107	104	58.0-138			2.88	20

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

(LCS) R3454507-1 09/25/19 07:52 • (LCSD) R3454507-3 09/25/19 12:21

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	25.0	24.8	24.1	99.0	96.6	79.0-123			2.50	20
Hexachloro-1,3-butadiene	25.0	22.6	23.8	90.3	95.2	54.0-138			5.29	20
2-Hexanone	125	144	147	115	118	67.0-149			2.23	20
n-Hexane	25.0	22.4	23.5	89.8	93.9	57.0-133			4.49	20
Iodomethane	125	126	120	101	96.4	33.0-147			4.45	26
Isopropylbenzene	25.0	26.0	25.5	104	102	76.0-127			1.89	20
p-Isopropyltoluene	25.0	25.9	25.6	104	102	76.0-125			1.10	20
2-Butanone (MEK)	125	162	163	130	130	44.0-160			0.165	20
Methylene Chloride	25.0	25.4	24.7	101	98.7	67.0-120			2.74	20
4-Methyl-2-pentanone (MIBK)	125	148	150	118	120	68.0-142			1.56	20
Methyl tert-butyl ether	25.0	28.7	27.6	115	110	68.0-125			3.80	20
Naphthalene	25.0	25.6	25.9	102	104	54.0-135			1.22	20
n-Propylbenzene	25.0	27.4	26.5	110	106	77.0-124			3.32	20
Styrene	25.0	26.4	25.9	106	104	73.0-130			1.92	20
1,1,1,2-Tetrachloroethane	25.0	25.3	24.8	101	99.2	75.0-125			1.87	20
1,1,2,2-Tetrachloroethane	25.0	28.4	29.4	113	118	65.0-130			3.73	20
1,1,2-Trichlorotrifluoroethane	25.0	24.9	23.8	99.6	95.1	69.0-132			4.70	20
Tetrachloroethene	25.0	23.8	23.4	95.1	93.5	72.0-132			1.70	20
Toluene	25.0	23.7	23.3	94.7	93.1	79.0-120			1.66	20
1,2,3-Trichlorobenzene	25.0	25.3	25.1	101	100	50.0-138			0.935	20
1,2,4-Trichlorobenzene	25.0	24.4	24.8	97.7	99.0	57.0-137			1.29	20
1,1,1-Trichloroethane	25.0	26.0	24.2	104	96.7	73.0-124			7.18	20
1,1,2-Trichloroethane	25.0	26.0	25.6	104	103	80.0-120			1.43	20
Trichloroethene	25.0	26.5	24.6	106	98.6	78.0-124			7.44	20
Trichlorofluoromethane	25.0	27.6	25.8	110	103	59.0-147			6.55	20
1,2,3-Trichloropropane	25.0	30.9	30.6	124	122	73.0-130			1.02	20
1,2,4-Trimethylbenzene	25.0	26.8	26.4	107	106	76.0-121			1.70	20
1,2,3-Trimethylbenzene	25.0	25.9	25.6	103	103	77.0-120			0.878	20
1,3,5-Trimethylbenzene	25.0	27.6	26.8	110	107	76.0-122			2.93	20
Vinyl acetate	125	101	136	81.2	109	11.0-160		J3	29.0	20
Vinyl chloride	25.0	24.9	23.7	99.7	95.0	67.0-131			4.83	20
Xylenes, Total	75.0	75.7	74.1	101	98.8	79.0-123			2.14	20
(S) Toluene-d8				*102*	*100*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*107*	*112*	*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.
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

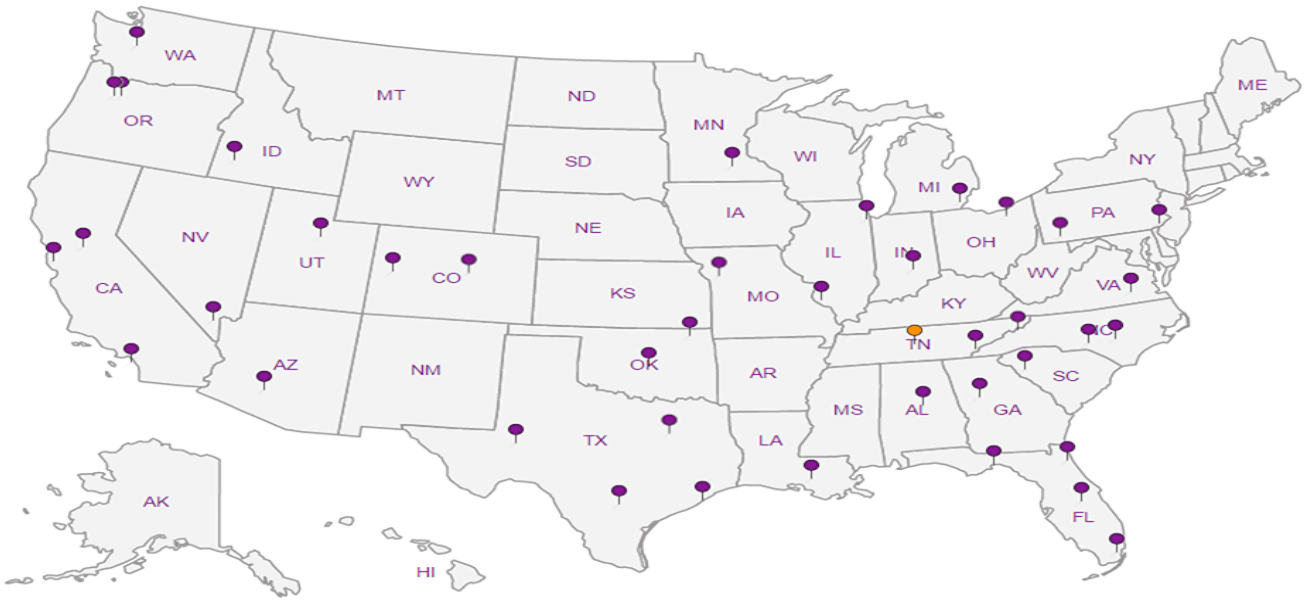
Third Party Federal Accreditations

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:

City/State Collected: SEATTLE WA

Please Circle: PT MT CT ET

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

Client Project # 1413.001.02.501B

Lab Project # PESENVSWA-ALP

Collected by (print): R. MCLAUGHLIN

Site/Facility ID # ALS

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

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-312-6	6	SS	6	9/16/19	1110	2	X	X		-01
MW-312-10	10	SS	10		1115					02
MW-312-15	15	SS	15		1130					03
MW-312-20	20	SS	20		1135					04
MW-312-25	25	SS	25		1140					05
MW-2004-20	20	SS	20		0900	2		X		06
TB-091619	—	~~SS~~ N	—	9/16/19	1200	1	X			07
		SS								
		SS								
		SS								

* 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 6481

Relinquished by : (Signature) RTM Laughlin — Date: — Time: — Received by: (Signature) — Trip Blank Received: Yes / No (HCL / MeoH) TBR

Relinquished by : (Signature) — Date: — Time: — Received by: (Signature) — Temp: 1.1 °C Bottles Received: 12

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature) — Date: 9-19-19 Time: 8:45

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

If preservation required by Login: Date/Time

Hold: — Condition: NCF / OK

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 # 1141323

I017

Acctnum: PESENVSWA
Template: T154694
Prelogin: P725383
PM: 110 - Brian Ford
PB: 8/21/19 (MK)
Shipped Via: FedEX Ground

Pace Analytical®
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ANALYTICAL REPORT

October 02, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1141868
Samples Received:	09/21/2019
Project Number:	1413.001-02.501B
Description:	

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

Entire Report Reviewed By:

Brian Ford
Project Manager

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

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MW-190-5 L1141868-01 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 11:18 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352829	1	09/27/19 10:39	09/27/19 10:50	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 11:18	09/28/19 17:47	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353861	1	09/19/19 11:18	09/28/19 15:29	ACG	Mt. Juliet, TN

MW-190-10 L1141868-02 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 11:20 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352829	1	09/27/19 10:39	09/27/19 10:50	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	32.5	09/19/19 11:20	09/28/19 18:28	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353861	1.3	09/19/19 11:20	09/28/19 15:50	ACG	Mt. Juliet, TN

MW-190-15 L1141868-03 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 11:35 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352829	1	09/27/19 10:39	09/27/19 10:50	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 11:35	09/28/19 18:49	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353861	1	09/19/19 11:35	09/28/19 16:12	ACG	Mt. Juliet, TN

MW-190-20 L1141868-04 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 11:30 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352829	1	09/27/19 10:39	09/27/19 10:50	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 11:30	09/28/19 19:10	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353861	1	09/19/19 11:30	09/28/19 16:34	ACG	Mt. Juliet, TN

MW-190-25 L1141868-05 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 12:00 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352829	1	09/27/19 10:39	09/27/19 10:50	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 12:00	09/28/19 19:30	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353861	1	09/19/19 12:00	09/28/19 16:55	ACG	Mt. Juliet, TN

MW-190-30 L1141868-06 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 12:02 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352829	1	09/27/19 10:39	09/27/19 10:50	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 12:02	09/28/19 19:51	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353861	1	09/19/19 12:02	09/28/19 17:17	ACG	Mt. Juliet, TN

MW-190-35 L1141868-07 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 12:05 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352829	1	09/27/19 10:39	09/27/19 10:50	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 12:05	09/28/19 20:11	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353861	1	09/19/19 12:05	09/28/19 17:38	ACG	Mt. Juliet, TN

MW-190-40 L1141868-08 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 12:07 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352837	1	09/27/19 15:54	09/27/19 16:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 12:07	09/28/19 20:32	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353861	1	09/19/19 12:07	09/28/19 18:00	ACG	Mt. Juliet, TN

MW-190-45 L1141868-09 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 13:05 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352837	1	09/27/19 15:54	09/27/19 16:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 13:05	09/28/19 20:52	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353861	1	09/19/19 13:05	09/28/19 18:21	ACG	Mt. Juliet, TN

MW-190-50 L1141868-10 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 13:07 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352837	1	09/27/19 15:54	09/27/19 16:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 13:07	09/28/19 21:13	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353861	1	09/19/19 13:07	09/28/19 18:43	ACG	Mt. Juliet, TN

MW-190-55 L1141868-11 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 13:10 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352837	1	09/27/19 15:54	09/27/19 16:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 13:10	09/28/19 21:33	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353861	1	09/19/19 13:10	09/28/19 19:04	ACG	Mt. Juliet, TN

MW-190-60 L1141868-12 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 13:12 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352837	1	09/27/19 15:54	09/27/19 16:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 13:12	09/28/19 21:54	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353861	1	09/19/19 13:12	09/28/19 19:26	ACG	Mt. Juliet, TN

MW-190-65 L1141868-13 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 14:00 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352837	1	09/27/19 15:54	09/27/19 16:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 14:00	09/28/19 22:15	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353861	1	09/19/19 14:00	09/28/19 19:48	ACG	Mt. Juliet, TN

MW-190-70 L1141868-14 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 14:05 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352837	1	09/27/19 15:54	09/27/19 16:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 14:05	09/28/19 22:35	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/19/19 14:05	09/28/19 13:48	BMB	Mt. Juliet, TN

MW-190-75 L1141868-15 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 14:40 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352837	1	09/27/19 15:54	09/27/19 16:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 14:40	09/28/19 22:56	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/19/19 14:40	09/28/19 14:09	BMB	Mt. Juliet, TN

MW-190-80 L1141868-16 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 14:42 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352837	1	09/27/19 15:54	09/27/19 16:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 14:42	09/28/19 23:16	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/19/19 14:42	09/28/19 14:29	BMB	Mt. Juliet, TN

MW-190-85 L1141868-17 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 15:15 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352837	1	09/27/19 15:54	09/27/19 16:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 15:15	09/28/19 23:37	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/19/19 15:15	09/28/19 14:50	BMB	Mt. Juliet, TN

MW-190-87 L1141868-18 Solid

Collected by: R. McLaughlin | Collected date/time: 09/19/19 15:18 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352841	1	09/27/19 13:33	09/27/19 13:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 15:18	09/28/19 23:57	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/19/19 15:18	09/28/19 15:10	BMB	Mt. Juliet, TN

MW-2008-60 L1141868-19 Solid

Collected by: R. McLaughlin
Collected date/time: 09/19/19 10:45
Received date/time: 09/21/19 08:45

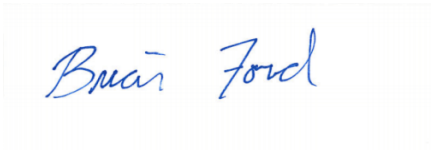
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352841	1	09/27/19 13:33	09/27/19 13:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1354050	25	09/19/19 10:45	09/29/19 00:18	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/19/19 10:45	09/28/19 15:30	BMB	Mt. Juliet, TN

TB-091919 L1141868-20 GW

Collected by: R. McLaughlin
Collected date/time: 09/19/19 00:00
Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353837	1	09/28/19 20:59	09/28/19 20:59	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354826	1	10/01/19 13:01	10/01/19 13:01	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.



Brian Ford
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.7		1	09/27/2019 10:50	WG1352829

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.03	J	0.978	2.88	25	09/28/2019 17:47	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*09/28/2019 17:47*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0289	B	0.0158	0.0288	1	09/28/2019 15:29	WG1353861
Acrylonitrile	U		0.00219	0.0144	1	09/28/2019 15:29	WG1353861
Benzene	0.000741	J	0.000461	0.00115	1	09/28/2019 15:29	WG1353861
Bromobenzene	U		0.00121	0.0144	1	09/28/2019 15:29	WG1353861
Bromodichloromethane	U		0.000909	0.00288	1	09/28/2019 15:29	WG1353861
Bromochloromethane	U		0.00130	0.00577	1	09/28/2019 15:29	WG1353861
Bromoform	U		0.00690	0.0288	1	09/28/2019 15:29	WG1353861
Bromomethane	U		0.00427	0.0144	1	09/28/2019 15:29	WG1353861
n-Butylbenzene	U		0.00443	0.0144	1	09/28/2019 15:29	WG1353861
sec-Butylbenzene	U		0.00292	0.0144	1	09/28/2019 15:29	WG1353861
tert-Butylbenzene	U		0.00179	0.00577	1	09/28/2019 15:29	WG1353861
Carbon disulfide	U		0.00468	0.0144	1	09/28/2019 15:29	WG1353861
Carbon tetrachloride	U		0.00125	0.00577	1	09/28/2019 15:29	WG1353861
Chlorobenzene	U		0.000661	0.00288	1	09/28/2019 15:29	WG1353861
Chlorodibromomethane	U		0.000519	0.00288	1	09/28/2019 15:29	WG1353861
Chloroethane	U		0.00125	0.00577	1	09/28/2019 15:29	WG1353861
Chloroform	0.000714	B J	0.000479	0.00288	1	09/28/2019 15:29	WG1353861
Chloromethane	U		0.00160	0.0144	1	09/28/2019 15:29	WG1353861
2-Chlorotoluene	U		0.00106	0.00288	1	09/28/2019 15:29	WG1353861
4-Chlorotoluene	U		0.00130	0.00577	1	09/28/2019 15:29	WG1353861
1,2-Dibromo-3-Chloropropane	U		0.00588	0.0288	1	09/28/2019 15:29	WG1353861
1,2-Dibromoethane	U		0.000606	0.00288	1	09/28/2019 15:29	WG1353861
Dibromomethane	U		0.00115	0.00577	1	09/28/2019 15:29	WG1353861
1,2-Dichlorobenzene	U		0.00167	0.00577	1	09/28/2019 15:29	WG1353861
1,3-Dichlorobenzene	U		0.00196	0.00577	1	09/28/2019 15:29	WG1353861
1,4-Dichlorobenzene	U		0.00227	0.00577	1	09/28/2019 15:29	WG1353861
Dichlorodifluoromethane	U		0.000943	0.00288	1	09/28/2019 15:29	WG1353861
1,1-Dichloroethane	U		0.000663	0.00288	1	09/28/2019 15:29	WG1353861
1,2-Dichloroethane	U		0.000548	0.00288	1	09/28/2019 15:29	WG1353861
1,1-Dichloroethene	U		0.000577	0.00288	1	09/28/2019 15:29	WG1353861
cis-1,2-Dichloroethene	U		0.000796	0.00288	1	09/28/2019 15:29	WG1353861
trans-1,2-Dichloroethene	U		0.00165	0.00577	1	09/28/2019 15:29	WG1353861
1,2-Dichloropropane	U		0.00146	0.00577	1	09/28/2019 15:29	WG1353861
1,1-Dichloropropene	U		0.000807	0.00288	1	09/28/2019 15:29	WG1353861
1,3-Dichloropropane	U		0.00202	0.00577	1	09/28/2019 15:29	WG1353861
cis-1,3-Dichloropropene	U		0.000782	0.00288	1	09/28/2019 15:29	WG1353861
trans-1,3-Dichloropropene	U		0.00176	0.00577	1	09/28/2019 15:29	WG1353861
trans-1,4-Dichloro-2-butene	U		0.00161	0.00577	1	09/28/2019 15:29	WG1353861
2,2-Dichloropropane	U		0.000915	0.00288	1	09/28/2019 15:29	WG1353861
Di-isopropyl ether	U		0.000404	0.00115	1	09/28/2019 15:29	WG1353861
Ethylbenzene	U		0.000611	0.00288	1	09/28/2019 15:29	WG1353861
Hexachloro-1,3-butadiene	U		0.0146	0.0288	1	09/28/2019 15:29	WG1353861
2-Hexanone	U		0.0115	0.0288	1	09/28/2019 15:29	WG1353861
n-Hexane	0.0166		0.00122	0.00577	1	09/28/2019 15:29	WG1353861

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 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00698	0.0144	1	09/28/2019 15:29	WG1353861
Isopropylbenzene	U		0.000995	0.00288	1	09/28/2019 15:29	WG1353861
p-Isopropyltoluene	U		0.00269	0.00577	1	09/28/2019 15:29	WG1353861
2-Butanone (MEK)	0.0188	B J	0.0144	0.0288	1	09/28/2019 15:29	WG1353861
Methylene Chloride	U		0.00766	0.0288	1	09/28/2019 15:29	WG1353861
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0288	1	09/28/2019 15:29	WG1353861
Methyl tert-butyl ether	U		0.000340	0.00115	1	09/28/2019 15:29	WG1353861
Naphthalene	U		0.00360	0.0144	1	09/28/2019 15:29	WG1353861
n-Propylbenzene	U		0.00136	0.00577	1	09/28/2019 15:29	WG1353861
Styrene	U		0.00315	0.0144	1	09/28/2019 15:29	WG1353861
1,1,1,2-Tetrachloroethane	U		0.000577	0.00288	1	09/28/2019 15:29	WG1353861
1,1,2,2-Tetrachloroethane	U		0.000450	0.00288	1	09/28/2019 15:29	WG1353861
1,1,2-Trichlorotrifluoroethane	U		0.000779	0.00288	1	09/28/2019 15:29	WG1353861
Tetrachloroethene	0.0166		0.000807	0.00288	1	09/28/2019 15:29	WG1353861
Toluene	0.00891		0.00144	0.00577	1	09/28/2019 15:29	WG1353861
1,2,3-Trichlorobenzene	U		0.000721	0.00288	1	09/28/2019 15:29	WG1353861
1,2,4-Trichlorobenzene	U		0.00556	0.0144	1	09/28/2019 15:29	WG1353861
1,1,1-Trichloroethane	U		0.000317	0.00288	1	09/28/2019 15:29	WG1353861
1,1,2-Trichloroethane	U		0.00102	0.00288	1	09/28/2019 15:29	WG1353861
Trichloroethene	U		0.000461	0.00115	1	09/28/2019 15:29	WG1353861
Trichlorofluoromethane	U		0.000577	0.00288	1	09/28/2019 15:29	WG1353861
1,2,3-Trichloropropane	U		0.00588	0.0144	1	09/28/2019 15:29	WG1353861
1,2,4-Trimethylbenzene	0.00259	J	0.00134	0.00577	1	09/28/2019 15:29	WG1353861
1,2,3-Trimethylbenzene	0.00141	J	0.00133	0.00577	1	09/28/2019 15:29	WG1353861
1,3,5-Trimethylbenzene	U		0.00125	0.00577	1	09/28/2019 15:29	WG1353861
Vinyl acetate	U		0.00406	0.0144	1	09/28/2019 15:29	WG1353861
Vinyl chloride	U		0.000788	0.00288	1	09/28/2019 15:29	WG1353861
Xylenes, Total	U		0.00551	0.00750	1	09/28/2019 15:29	WG1353861
(S) Toluene-d8	*107*			*75.0-131*		*09/28/2019 15:29*	WG1353861
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*09/28/2019 15:29*	WG1353861
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*		*09/28/2019 15:29*	WG1353861

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	62.9		1	09/27/2019 10:50	WG1352829

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	3.07	J	1.75	5.17	32.5	09/28/2019 18:28	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*95.3*			*77.0-120*		*09/28/2019 18:28*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0911	B	0.0283	0.0517	1.3	09/28/2019 15:50	WG1353861
Acrylonitrile	U		0.00393	0.0258	1.3	09/28/2019 15:50	WG1353861
Benzene	0.00553		0.000827	0.00207	1.3	09/28/2019 15:50	WG1353861
Bromobenzene	U		0.00216	0.0258	1.3	09/28/2019 15:50	WG1353861
Bromodichloromethane	U		0.00162	0.00517	1.3	09/28/2019 15:50	WG1353861
Bromochloromethane	U		0.00234	0.0103	1.3	09/28/2019 15:50	WG1353861
Bromoform	U		0.0124	0.0517	1.3	09/28/2019 15:50	WG1353861
Bromomethane	U		0.00765	0.0258	1.3	09/28/2019 15:50	WG1353861
n-Butylbenzene	U		0.00794	0.0258	1.3	09/28/2019 15:50	WG1353861
sec-Butylbenzene	U		0.00523	0.0258	1.3	09/28/2019 15:50	WG1353861
tert-Butylbenzene	U		0.00321	0.0103	1.3	09/28/2019 15:50	WG1353861
Carbon disulfide	U		0.00840	0.0258	1.3	09/28/2019 15:50	WG1353861
Carbon tetrachloride	U		0.00223	0.0103	1.3	09/28/2019 15:50	WG1353861
Chlorobenzene	U		0.00118	0.00517	1.3	09/28/2019 15:50	WG1353861
Chlorodibromomethane	U		0.000930	0.00517	1.3	09/28/2019 15:50	WG1353861
Chloroethane	U		0.00223	0.0103	1.3	09/28/2019 15:50	WG1353861
Chloroform	U		0.000859	0.00517	1.3	09/28/2019 15:50	WG1353861
Chloromethane	U		0.00288	0.0258	1.3	09/28/2019 15:50	WG1353861
2-Chlorotoluene	U		0.00191	0.00517	1.3	09/28/2019 15:50	WG1353861
4-Chlorotoluene	U		0.00234	0.0103	1.3	09/28/2019 15:50	WG1353861
1,2-Dibromo-3-Chloropropane	U		0.0105	0.0517	1.3	09/28/2019 15:50	WG1353861
1,2-Dibromoethane	U		0.00108	0.00517	1.3	09/28/2019 15:50	WG1353861
Dibromomethane	U		0.00207	0.0103	1.3	09/28/2019 15:50	WG1353861
1,2-Dichlorobenzene	U		0.00299	0.0103	1.3	09/28/2019 15:50	WG1353861
1,3-Dichlorobenzene	U		0.00352	0.0103	1.3	09/28/2019 15:50	WG1353861
1,4-Dichlorobenzene	U		0.00407	0.0103	1.3	09/28/2019 15:50	WG1353861
Dichlorodifluoromethane	U		0.00169	0.00517	1.3	09/28/2019 15:50	WG1353861
1,1-Dichloroethane	U		0.00119	0.00517	1.3	09/28/2019 15:50	WG1353861
1,2-Dichloroethane	U		0.000983	0.00517	1.3	09/28/2019 15:50	WG1353861
1,1-Dichloroethene	U		0.00103	0.00517	1.3	09/28/2019 15:50	WG1353861
cis-1,2-Dichloroethene	U		0.00143	0.00517	1.3	09/28/2019 15:50	WG1353861
trans-1,2-Dichloroethene	U		0.00296	0.0103	1.3	09/28/2019 15:50	WG1353861
1,2-Dichloropropane	U		0.00262	0.0103	1.3	09/28/2019 15:50	WG1353861
1,1-Dichloropropene	U		0.00145	0.00517	1.3	09/28/2019 15:50	WG1353861
1,3-Dichloropropane	U		0.00363	0.0103	1.3	09/28/2019 15:50	WG1353861
cis-1,3-Dichloropropene	U		0.00140	0.00517	1.3	09/28/2019 15:50	WG1353861
trans-1,3-Dichloropropene	U		0.00317	0.0103	1.3	09/28/2019 15:50	WG1353861
trans-1,4-Dichloro-2-butene	U		0.00289	0.0103	1.3	09/28/2019 15:50	WG1353861
2,2-Dichloropropane	U		0.00164	0.00517	1.3	09/28/2019 15:50	WG1353861
Di-isopropyl ether	U		0.000724	0.00207	1.3	09/28/2019 15:50	WG1353861
Ethylbenzene	0.00350	J	0.00110	0.00517	1.3	09/28/2019 15:50	WG1353861
Hexachloro-1,3-butadiene	U		0.0262	0.0517	1.3	09/28/2019 15:50	WG1353861
2-Hexanone	U		0.0207	0.0517	1.3	09/28/2019 15:50	WG1353861
n-Hexane	0.0365		0.00219	0.0103	1.3	09/28/2019 15:50	WG1353861

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.0125	0.0258	1.3	09/28/2019 15:50	WG1353861
Isopropylbenzene	U		0.00178	0.00517	1.3	09/28/2019 15:50	WG1353861
p-Isopropyltoluene	0.0104		0.00482	0.0103	1.3	09/28/2019 15:50	WG1353861
2-Butanone (MEK)	0.0597	B	0.0258	0.0517	1.3	09/28/2019 15:50	WG1353861
Methylene Chloride	0.0140	J	0.0137	0.0517	1.3	09/28/2019 15:50	WG1353861
4-Methyl-2-pentanone (MIBK)	U		0.0207	0.0517	1.3	09/28/2019 15:50	WG1353861
Methyl tert-butyl ether	U		0.000611	0.00207	1.3	09/28/2019 15:50	WG1353861
Naphthalene	U		0.00646	0.0258	1.3	09/28/2019 15:50	WG1353861
n-Propylbenzene	U		0.00243	0.0103	1.3	09/28/2019 15:50	WG1353861
Styrene	U		0.00565	0.0258	1.3	09/28/2019 15:50	WG1353861
1,1,1,2-Tetrachloroethane	U		0.00103	0.00517	1.3	09/28/2019 15:50	WG1353861
1,1,2,2-Tetrachloroethane	U		0.000806	0.00517	1.3	09/28/2019 15:50	WG1353861
1,1,2-Trichlorotrifluoroethane	U		0.00140	0.00517	1.3	09/28/2019 15:50	WG1353861
Tetrachloroethene	0.0965		0.00145	0.00517	1.3	09/28/2019 15:50	WG1353861
Toluene	0.0371		0.00258	0.0103	1.3	09/28/2019 15:50	WG1353861
1,2,3-Trichlorobenzene	U		0.00129	0.00517	1.3	09/28/2019 15:50	WG1353861
1,2,4-Trichlorobenzene	U		0.00997	0.0258	1.3	09/28/2019 15:50	WG1353861
1,1,1-Trichloroethane	U		0.000569	0.00517	1.3	09/28/2019 15:50	WG1353861
1,1,2-Trichloroethane	U		0.00183	0.00517	1.3	09/28/2019 15:50	WG1353861
Trichloroethene	U		0.000827	0.00207	1.3	09/28/2019 15:50	WG1353861
Trichlorofluoromethane	U		0.00103	0.00517	1.3	09/28/2019 15:50	WG1353861
1,2,3-Trichloropropane	U		0.0105	0.0258	1.3	09/28/2019 15:50	WG1353861
1,2,4-Trimethylbenzene	0.0112		0.00240	0.0103	1.3	09/28/2019 15:50	WG1353861
1,2,3-Trimethylbenzene	0.00715	J	0.00239	0.0103	1.3	09/28/2019 15:50	WG1353861
1,3,5-Trimethylbenzene	0.00380	J	0.00223	0.0103	1.3	09/28/2019 15:50	WG1353861
Vinyl acetate	U		0.00728	0.0258	1.3	09/28/2019 15:50	WG1353861
Vinyl chloride	U		0.00141	0.00517	1.3	09/28/2019 15:50	WG1353861
Xylenes, Total	0.0280		0.00988	0.0134	1.3	09/28/2019 15:50	WG1353861
(S) Toluene-d8	*107*			*75.0-131*		*09/28/2019 15:50*	WG1353861
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*09/28/2019 15:50*	WG1353861
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*09/28/2019 15:50*	WG1353861

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.5		1	09/27/2019 10:50	WG1352829

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.12	3.31	25	09/28/2019 18:49	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*77.0-120*		*09/28/2019 18:49*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0618	B	0.0181	0.0331	1	09/28/2019 16:12	WG1353861
Acrylonitrile	U		0.00252	0.0165	1	09/28/2019 16:12	WG1353861
Benzene	U		0.000530	0.00132	1	09/28/2019 16:12	WG1353861
Bromobenzene	U		0.00139	0.0165	1	09/28/2019 16:12	WG1353861
Bromodichloromethane	U		0.00104	0.00331	1	09/28/2019 16:12	WG1353861
Bromochloromethane	U		0.00150	0.00662	1	09/28/2019 16:12	WG1353861
Bromoform	U		0.00792	0.0331	1	09/28/2019 16:12	WG1353861
Bromomethane	U		0.00490	0.0165	1	09/28/2019 16:12	WG1353861
n-Butylbenzene	U		0.00508	0.0165	1	09/28/2019 16:12	WG1353861
sec-Butylbenzene	U		0.00335	0.0165	1	09/28/2019 16:12	WG1353861
tert-Butylbenzene	U		0.00205	0.00662	1	09/28/2019 16:12	WG1353861
Carbon disulfide	U		0.00537	0.0165	1	09/28/2019 16:12	WG1353861
Carbon tetrachloride	U		0.00143	0.00662	1	09/28/2019 16:12	WG1353861
Chlorobenzene	U		0.000759	0.00331	1	09/28/2019 16:12	WG1353861
Chlorodibromomethane	U		0.000596	0.00331	1	09/28/2019 16:12	WG1353861
Chloroethane	U		0.00143	0.00662	1	09/28/2019 16:12	WG1353861
Chloroform	0.000727	B J	0.000549	0.00331	1	09/28/2019 16:12	WG1353861
Chloromethane	U		0.00184	0.0165	1	09/28/2019 16:12	WG1353861
2-Chlorotoluene	U		0.00122	0.00331	1	09/28/2019 16:12	WG1353861
4-Chlorotoluene	U		0.00150	0.00662	1	09/28/2019 16:12	WG1353861
1,2-Dibromo-3-Chloropropane	U		0.00675	0.0331	1	09/28/2019 16:12	WG1353861
1,2-Dibromoethane	U		0.000695	0.00331	1	09/28/2019 16:12	WG1353861
Dibromomethane	U		0.00132	0.00662	1	09/28/2019 16:12	WG1353861
1,2-Dichlorobenzene	U		0.00192	0.00662	1	09/28/2019 16:12	WG1353861
1,3-Dichlorobenzene	U		0.00225	0.00662	1	09/28/2019 16:12	WG1353861
1,4-Dichlorobenzene	U		0.00261	0.00662	1	09/28/2019 16:12	WG1353861
Dichlorodifluoromethane	U		0.00108	0.00331	1	09/28/2019 16:12	WG1353861
1,1-Dichloroethane	U		0.000761	0.00331	1	09/28/2019 16:12	WG1353861
1,2-Dichloroethane	U		0.000629	0.00331	1	09/28/2019 16:12	WG1353861
1,1-Dichloroethene	U		0.000662	0.00331	1	09/28/2019 16:12	WG1353861
cis-1,2-Dichloroethene	U		0.000913	0.00331	1	09/28/2019 16:12	WG1353861
trans-1,2-Dichloroethene	U		0.00189	0.00662	1	09/28/2019 16:12	WG1353861
1,2-Dichloropropane	U		0.00168	0.00662	1	09/28/2019 16:12	WG1353861
1,1-Dichloropropene	U		0.000927	0.00331	1	09/28/2019 16:12	WG1353861
1,3-Dichloropropane	U		0.00232	0.00662	1	09/28/2019 16:12	WG1353861
cis-1,3-Dichloropropene	U		0.000898	0.00331	1	09/28/2019 16:12	WG1353861
trans-1,3-Dichloropropene	U		0.00203	0.00662	1	09/28/2019 16:12	WG1353861
trans-1,4-Dichloro-2-butene	U		0.00185	0.00662	1	09/28/2019 16:12	WG1353861
2,2-Dichloropropane	U		0.00105	0.00331	1	09/28/2019 16:12	WG1353861
Di-isopropyl ether	U		0.000463	0.00132	1	09/28/2019 16:12	WG1353861
Ethylbenzene	U		0.000702	0.00331	1	09/28/2019 16:12	WG1353861
Hexachloro-1,3-butadiene	U		0.0168	0.0331	1	09/28/2019 16:12	WG1353861
2-Hexanone	U		0.0132	0.0331	1	09/28/2019 16:12	WG1353861
n-Hexane	0.0229		0.00140	0.00662	1	09/28/2019 16:12	WG1353861

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00801	0.0165	1	09/28/2019 16:12	WG1353861
Isopropylbenzene	U		0.00114	0.00331	1	09/28/2019 16:12	WG1353861
p-Isopropyltoluene	U		0.00308	0.00662	1	09/28/2019 16:12	WG1353861
2-Butanone (MEK)	0.0360	B	0.0165	0.0331	1	09/28/2019 16:12	WG1353861
Methylene Chloride	U		0.00879	0.0331	1	09/28/2019 16:12	WG1353861
4-Methyl-2-pentanone (MIBK)	U		0.0132	0.0331	1	09/28/2019 16:12	WG1353861
Methyl tert-butyl ether	U		0.000391	0.00132	1	09/28/2019 16:12	WG1353861
Naphthalene	U		0.00413	0.0165	1	09/28/2019 16:12	WG1353861
n-Propylbenzene	U		0.00156	0.00662	1	09/28/2019 16:12	WG1353861
Styrene	U		0.00361	0.0165	1	09/28/2019 16:12	WG1353861
1,1,1,2-Tetrachloroethane	U		0.000662	0.00331	1	09/28/2019 16:12	WG1353861
1,1,2,2-Tetrachloroethane	U		0.000516	0.00331	1	09/28/2019 16:12	WG1353861
1,1,2-Trichlorotrifluoroethane	U		0.000894	0.00331	1	09/28/2019 16:12	WG1353861
Tetrachloroethene	U		0.000927	0.00331	1	09/28/2019 16:12	WG1353861
Toluene	0.0200		0.00165	0.00662	1	09/28/2019 16:12	WG1353861
1,2,3-Trichlorobenzene	U		0.000827	0.00331	1	09/28/2019 16:12	WG1353861
1,2,4-Trichlorobenzene	U		0.00638	0.0165	1	09/28/2019 16:12	WG1353861
1,1,1-Trichloroethane	U		0.000364	0.00331	1	09/28/2019 16:12	WG1353861
1,1,2-Trichloroethane	U		0.00117	0.00331	1	09/28/2019 16:12	WG1353861
Trichloroethene	U		0.000530	0.00132	1	09/28/2019 16:12	WG1353861
Trichlorofluoromethane	U		0.000662	0.00331	1	09/28/2019 16:12	WG1353861
1,2,3-Trichloropropane	U		0.00675	0.0165	1	09/28/2019 16:12	WG1353861
1,2,4-Trimethylbenzene	U		0.00154	0.00662	1	09/28/2019 16:12	WG1353861
1,2,3-Trimethylbenzene	U		0.00152	0.00662	1	09/28/2019 16:12	WG1353861
1,3,5-Trimethylbenzene	U		0.00143	0.00662	1	09/28/2019 16:12	WG1353861
Vinyl acetate	U		0.00466	0.0165	1	09/28/2019 16:12	WG1353861
Vinyl chloride	U		0.000904	0.00331	1	09/28/2019 16:12	WG1353861
Xylenes, Total	U		0.00633	0.00860	1	09/28/2019 16:12	WG1353861
(S) Toluene-d8	*106*			*75.0-131*		*09/28/2019 16:12*	WG1353861
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*		*09/28/2019 16:12*	WG1353861
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*09/28/2019 16:12*	WG1353861

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.3		1	09/27/2019 10:50	WG1352829

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.06	3.11	25	09/28/2019 19:10	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*94.4*			*77.0-120*		*09/28/2019 19:10*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0748	B	0.0171	0.0311	1	09/28/2019 16:34	WG1353861
Acrylonitrile	U		0.00236	0.0156	1	09/28/2019 16:34	WG1353861
Benzene	0.00144		0.000498	0.00124	1	09/28/2019 16:34	WG1353861
Bromobenzene	U		0.00131	0.0156	1	09/28/2019 16:34	WG1353861
Bromodichloromethane	U		0.000981	0.00311	1	09/28/2019 16:34	WG1353861
Bromochloromethane	U		0.00141	0.00622	1	09/28/2019 16:34	WG1353861
Bromoform	U		0.00744	0.0311	1	09/28/2019 16:34	WG1353861
Bromomethane	U		0.00461	0.0156	1	09/28/2019 16:34	WG1353861
n-Butylbenzene	U		0.00478	0.0156	1	09/28/2019 16:34	WG1353861
sec-Butylbenzene	U		0.00315	0.0156	1	09/28/2019 16:34	WG1353861
tert-Butylbenzene	U		0.00193	0.00622	1	09/28/2019 16:34	WG1353861
Carbon disulfide	0.00676	J	0.00505	0.0156	1	09/28/2019 16:34	WG1353861
Carbon tetrachloride	U		0.00134	0.00622	1	09/28/2019 16:34	WG1353861
Chlorobenzene	U		0.000713	0.00311	1	09/28/2019 16:34	WG1353861
Chlorodibromomethane	U		0.000560	0.00311	1	09/28/2019 16:34	WG1353861
Chloroethane	U		0.00134	0.00622	1	09/28/2019 16:34	WG1353861
Chloroform	0.000922	B J	0.000517	0.00311	1	09/28/2019 16:34	WG1353861
Chloromethane	U		0.00173	0.0156	1	09/28/2019 16:34	WG1353861
2-Chlorotoluene	U		0.00115	0.00311	1	09/28/2019 16:34	WG1353861
4-Chlorotoluene	U		0.00141	0.00622	1	09/28/2019 16:34	WG1353861
1,2-Dibromo-3-Chloropropane	U		0.00635	0.0311	1	09/28/2019 16:34	WG1353861
1,2-Dibromoethane	U		0.000653	0.00311	1	09/28/2019 16:34	WG1353861
Dibromomethane	U		0.00124	0.00622	1	09/28/2019 16:34	WG1353861
1,2-Dichlorobenzene	U		0.00180	0.00622	1	09/28/2019 16:34	WG1353861
1,3-Dichlorobenzene	U		0.00212	0.00622	1	09/28/2019 16:34	WG1353861
1,4-Dichlorobenzene	U		0.00245	0.00622	1	09/28/2019 16:34	WG1353861
Dichlorodifluoromethane	U		0.00102	0.00311	1	09/28/2019 16:34	WG1353861
1,1-Dichloroethane	U		0.000716	0.00311	1	09/28/2019 16:34	WG1353861
1,2-Dichloroethane	U		0.000591	0.00311	1	09/28/2019 16:34	WG1353861
1,1-Dichloroethene	U		0.000622	0.00311	1	09/28/2019 16:34	WG1353861
cis-1,2-Dichloroethene	0.00477		0.000859	0.00311	1	09/28/2019 16:34	WG1353861
trans-1,2-Dichloroethene	U		0.00178	0.00622	1	09/28/2019 16:34	WG1353861
1,2-Dichloropropane	U		0.00158	0.00622	1	09/28/2019 16:34	WG1353861
1,1-Dichloropropene	U		0.000871	0.00311	1	09/28/2019 16:34	WG1353861
1,3-Dichloropropane	U		0.00218	0.00622	1	09/28/2019 16:34	WG1353861
cis-1,3-Dichloropropene	U		0.000844	0.00311	1	09/28/2019 16:34	WG1353861
trans-1,3-Dichloropropene	U		0.00190	0.00622	1	09/28/2019 16:34	WG1353861
trans-1,4-Dichloro-2-butene	U		0.00174	0.00622	1	09/28/2019 16:34	WG1353861
2,2-Dichloropropane	U		0.000987	0.00311	1	09/28/2019 16:34	WG1353861
Di-isopropyl ether	U		0.000436	0.00124	1	09/28/2019 16:34	WG1353861
Ethylbenzene	0.00108	J	0.000660	0.00311	1	09/28/2019 16:34	WG1353861
Hexachloro-1,3-butadiene	U		0.0158	0.0311	1	09/28/2019 16:34	WG1353861
2-Hexanone	U		0.0124	0.0311	1	09/28/2019 16:34	WG1353861
n-Hexane	0.0303		0.00132	0.00622	1	09/28/2019 16:34	WG1353861

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00753	0.0156	1	09/28/2019 16:34	WG1353861
Isopropylbenzene	0.00113	J	0.00107	0.00311	1	09/28/2019 16:34	WG1353861
p-Isopropyltoluene	U		0.00290	0.00622	1	09/28/2019 16:34	WG1353861
2-Butanone (MEK)	0.0454	B	0.0156	0.0311	1	09/28/2019 16:34	WG1353861
Methylene Chloride	U		0.00826	0.0311	1	09/28/2019 16:34	WG1353861
4-Methyl-2-pentanone (MIBK)	U		0.0124	0.0311	1	09/28/2019 16:34	WG1353861
Methyl tert-butyl ether	U		0.000367	0.00124	1	09/28/2019 16:34	WG1353861
Naphthalene	U		0.00388	0.0156	1	09/28/2019 16:34	WG1353861
n-Propylbenzene	U		0.00147	0.00622	1	09/28/2019 16:34	WG1353861
Styrene	U		0.00340	0.0156	1	09/28/2019 16:34	WG1353861
1,1,1,2-Tetrachloroethane	U		0.000622	0.00311	1	09/28/2019 16:34	WG1353861
1,1,2,2-Tetrachloroethane	U		0.000485	0.00311	1	09/28/2019 16:34	WG1353861
1,1,2-Trichlorotrifluoroethane	U		0.000840	0.00311	1	09/28/2019 16:34	WG1353861
Tetrachloroethene	U		0.000871	0.00311	1	09/28/2019 16:34	WG1353861
Toluene	0.0172		0.00156	0.00622	1	09/28/2019 16:34	WG1353861
1,2,3-Trichlorobenzene	U		0.000778	0.00311	1	09/28/2019 16:34	WG1353861
1,2,4-Trichlorobenzene	U		0.00600	0.0156	1	09/28/2019 16:34	WG1353861
1,1,1-Trichloroethane	U		0.000342	0.00311	1	09/28/2019 16:34	WG1353861
1,1,2-Trichloroethane	U		0.00110	0.00311	1	09/28/2019 16:34	WG1353861
Trichloroethene	U		0.000498	0.00124	1	09/28/2019 16:34	WG1353861
Trichlorofluoromethane	U		0.000622	0.00311	1	09/28/2019 16:34	WG1353861
1,2,3-Trichloropropane	U		0.00635	0.0156	1	09/28/2019 16:34	WG1353861
1,2,4-Trimethylbenzene	0.00153	J	0.00144	0.00622	1	09/28/2019 16:34	WG1353861
1,2,3-Trimethylbenzene	U		0.00143	0.00622	1	09/28/2019 16:34	WG1353861
1,3,5-Trimethylbenzene	U		0.00134	0.00622	1	09/28/2019 16:34	WG1353861
Vinyl acetate	U		0.00438	0.0156	1	09/28/2019 16:34	WG1353861
Vinyl chloride	0.00116	J	0.000850	0.00311	1	09/28/2019 16:34	WG1353861
Xylenes, Total	U		0.00595	0.00809	1	09/28/2019 16:34	WG1353861
(S) Toluene-d8	*107*			*75.0-131*		*09/28/2019 16:34*	WG1353861
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*09/28/2019 16:34*	WG1353861
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*09/28/2019 16:34*	WG1353861

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.2		1	09/27/2019 10:50	WG1352829

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.995	2.93	25	09/28/2019 19:30	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*77.0-120*		*09/28/2019 19:30*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0414	B	0.0161	0.0293	1	09/28/2019 16:55	WG1353861
Acrylonitrile	U		0.00223	0.0147	1	09/28/2019 16:55	WG1353861
Benzene	0.000484	J	0.000470	0.00117	1	09/28/2019 16:55	WG1353861
Bromobenzene	U		0.00123	0.0147	1	09/28/2019 16:55	WG1353861
Bromodichloromethane	U		0.000925	0.00293	1	09/28/2019 16:55	WG1353861
Bromochloromethane	U		0.00133	0.00587	1	09/28/2019 16:55	WG1353861
Bromoform	U		0.00702	0.0293	1	09/28/2019 16:55	WG1353861
Bromomethane	U		0.00434	0.0147	1	09/28/2019 16:55	WG1353861
n-Butylbenzene	U		0.00451	0.0147	1	09/28/2019 16:55	WG1353861
sec-Butylbenzene	U		0.00297	0.0147	1	09/28/2019 16:55	WG1353861
tert-Butylbenzene	U		0.00182	0.00587	1	09/28/2019 16:55	WG1353861
Carbon disulfide	U		0.00477	0.0147	1	09/28/2019 16:55	WG1353861
Carbon tetrachloride	U		0.00127	0.00587	1	09/28/2019 16:55	WG1353861
Chlorobenzene	U		0.000673	0.00293	1	09/28/2019 16:55	WG1353861
Chlorodibromomethane	U		0.000528	0.00293	1	09/28/2019 16:55	WG1353861
Chloroethane	U		0.00127	0.00587	1	09/28/2019 16:55	WG1353861
Chloroform	0.000724	B J	0.000487	0.00293	1	09/28/2019 16:55	WG1353861
Chloromethane	U		0.00163	0.0147	1	09/28/2019 16:55	WG1353861
2-Chlorotoluene	U		0.00108	0.00293	1	09/28/2019 16:55	WG1353861
4-Chlorotoluene	U		0.00133	0.00587	1	09/28/2019 16:55	WG1353861
1,2-Dibromo-3-Chloropropane	U		0.00599	0.0293	1	09/28/2019 16:55	WG1353861
1,2-Dibromoethane	U		0.000616	0.00293	1	09/28/2019 16:55	WG1353861
Dibromomethane	U		0.00117	0.00587	1	09/28/2019 16:55	WG1353861
1,2-Dichlorobenzene	U		0.00170	0.00587	1	09/28/2019 16:55	WG1353861
1,3-Dichlorobenzene	U		0.00200	0.00587	1	09/28/2019 16:55	WG1353861
1,4-Dichlorobenzene	U		0.00231	0.00587	1	09/28/2019 16:55	WG1353861
Dichlorodifluoromethane	U		0.000960	0.00293	1	09/28/2019 16:55	WG1353861
1,1-Dichloroethane	U		0.000675	0.00293	1	09/28/2019 16:55	WG1353861
1,2-Dichloroethane	U		0.000558	0.00293	1	09/28/2019 16:55	WG1353861
1,1-Dichloroethene	U		0.000587	0.00293	1	09/28/2019 16:55	WG1353861
cis-1,2-Dichloroethene	0.00187	J	0.000810	0.00293	1	09/28/2019 16:55	WG1353861
trans-1,2-Dichloroethene	U		0.00168	0.00587	1	09/28/2019 16:55	WG1353861
1,2-Dichloropropane	U		0.00149	0.00587	1	09/28/2019 16:55	WG1353861
1,1-Dichloropropene	U		0.000822	0.00293	1	09/28/2019 16:55	WG1353861
1,3-Dichloropropane	U		0.00205	0.00587	1	09/28/2019 16:55	WG1353861
cis-1,3-Dichloropropene	U		0.000796	0.00293	1	09/28/2019 16:55	WG1353861
trans-1,3-Dichloropropene	U		0.00180	0.00587	1	09/28/2019 16:55	WG1353861
trans-1,4-Dichloro-2-butene	U		0.00164	0.00587	1	09/28/2019 16:55	WG1353861
2,2-Dichloropropane	U		0.000931	0.00293	1	09/28/2019 16:55	WG1353861
Di-isopropyl ether	U		0.000411	0.00117	1	09/28/2019 16:55	WG1353861
Ethylbenzene	U		0.000622	0.00293	1	09/28/2019 16:55	WG1353861
Hexachloro-1,3-butadiene	U		0.0149	0.0293	1	09/28/2019 16:55	WG1353861
2-Hexanone	U		0.0117	0.0293	1	09/28/2019 16:55	WG1353861
n-Hexane	0.0252		0.00124	0.00587	1	09/28/2019 16:55	WG1353861

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00710	0.0147	1	09/28/2019 16:55	WG1353861
Isopropylbenzene	U		0.00101	0.00293	1	09/28/2019 16:55	WG1353861
p-Isopropyltoluene	U		0.00273	0.00587	1	09/28/2019 16:55	WG1353861
2-Butanone (MEK)	0.0238	B J	0.0147	0.0293	1	09/28/2019 16:55	WG1353861
Methylene Chloride	0.00805	J	0.00779	0.0293	1	09/28/2019 16:55	WG1353861
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0293	1	09/28/2019 16:55	WG1353861
Methyl tert-butyl ether	0.000380	J	0.000346	0.00117	1	09/28/2019 16:55	WG1353861
Naphthalene	U		0.00366	0.0147	1	09/28/2019 16:55	WG1353861
n-Propylbenzene	U		0.00139	0.00587	1	09/28/2019 16:55	WG1353861
Styrene	U		0.00320	0.0147	1	09/28/2019 16:55	WG1353861
1,1,1,2-Tetrachloroethane	U		0.000587	0.00293	1	09/28/2019 16:55	WG1353861
1,1,2,2-Tetrachloroethane	U		0.000458	0.00293	1	09/28/2019 16:55	WG1353861
1,1,2-Trichlorotrifluoroethane	U		0.000792	0.00293	1	09/28/2019 16:55	WG1353861
Tetrachloroethene	U		0.000822	0.00293	1	09/28/2019 16:55	WG1353861
Toluene	0.0138		0.00147	0.00587	1	09/28/2019 16:55	WG1353861
1,2,3-Trichlorobenzene	U		0.000734	0.00293	1	09/28/2019 16:55	WG1353861
1,2,4-Trichlorobenzene	U		0.00566	0.0147	1	09/28/2019 16:55	WG1353861
1,1,1-Trichloroethane	U		0.000323	0.00293	1	09/28/2019 16:55	WG1353861
1,1,2-Trichloroethane	U		0.00104	0.00293	1	09/28/2019 16:55	WG1353861
Trichloroethene	U		0.000470	0.00117	1	09/28/2019 16:55	WG1353861
Trichlorofluoromethane	U		0.000587	0.00293	1	09/28/2019 16:55	WG1353861
1,2,3-Trichloropropane	U		0.00599	0.0147	1	09/28/2019 16:55	WG1353861
1,2,4-Trimethylbenzene	U		0.00136	0.00587	1	09/28/2019 16:55	WG1353861
1,2,3-Trimethylbenzene	U		0.00135	0.00587	1	09/28/2019 16:55	WG1353861
1,3,5-Trimethylbenzene	U		0.00127	0.00587	1	09/28/2019 16:55	WG1353861
Vinyl acetate	U		0.00413	0.0147	1	09/28/2019 16:55	WG1353861
Vinyl chloride	U		0.000802	0.00293	1	09/28/2019 16:55	WG1353861
Xylenes, Total	U		0.00561	0.00763	1	09/28/2019 16:55	WG1353861
(S) Toluene-d8	*107*			*75.0-131*		*09/28/2019 16:55*	WG1353861
(S) 4-Bromofluorobenzene	*97.0*			*67.0-138*		*09/28/2019 16:55*	WG1353861
(S) 1,2-Dichloroethane-d4	*94.2*			*70.0-130*		*09/28/2019 16:55*	WG1353861

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.4		1	09/27/2019 10:50	WG1352829

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.12	J	0.888	2.62	25	09/28/2019 19:51	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*77.0-120*		*09/28/2019 19:51*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0348	B	0.0144	0.0262	1	09/28/2019 17:17	WG1353861
Acrylonitrile	U		0.00199	0.0131	1	09/28/2019 17:17	WG1353861
Benzene	U		0.000419	0.00105	1	09/28/2019 17:17	WG1353861
Bromobenzene	U		0.00110	0.0131	1	09/28/2019 17:17	WG1353861
Bromodichloromethane	U		0.000826	0.00262	1	09/28/2019 17:17	WG1353861
Bromochloromethane	U		0.00118	0.00524	1	09/28/2019 17:17	WG1353861
Bromoform	U		0.00627	0.0262	1	09/28/2019 17:17	WG1353861
Bromomethane	U		0.00388	0.0131	1	09/28/2019 17:17	WG1353861
n-Butylbenzene	U		0.00402	0.0131	1	09/28/2019 17:17	WG1353861
sec-Butylbenzene	U		0.00265	0.0131	1	09/28/2019 17:17	WG1353861
tert-Butylbenzene	U		0.00162	0.00524	1	09/28/2019 17:17	WG1353861
Carbon disulfide	U		0.00425	0.0131	1	09/28/2019 17:17	WG1353861
Carbon tetrachloride	U		0.00113	0.00524	1	09/28/2019 17:17	WG1353861
Chlorobenzene	U		0.000600	0.00262	1	09/28/2019 17:17	WG1353861
Chlorodibromomethane	U		0.000471	0.00262	1	09/28/2019 17:17	WG1353861
Chloroethane	U		0.00113	0.00524	1	09/28/2019 17:17	WG1353861
Chloroform	0.000696	B J	0.000435	0.00262	1	09/28/2019 17:17	WG1353861
Chloromethane	U		0.00146	0.0131	1	09/28/2019 17:17	WG1353861
2-Chlorotoluene	U		0.000964	0.00262	1	09/28/2019 17:17	WG1353861
4-Chlorotoluene	U		0.00118	0.00524	1	09/28/2019 17:17	WG1353861
1,2-Dibromo-3-Chloropropane	U		0.00534	0.0262	1	09/28/2019 17:17	WG1353861
1,2-Dibromoethane	U		0.000550	0.00262	1	09/28/2019 17:17	WG1353861
Dibromomethane	U		0.00105	0.00524	1	09/28/2019 17:17	WG1353861
1,2-Dichlorobenzene	U		0.00152	0.00524	1	09/28/2019 17:17	WG1353861
1,3-Dichlorobenzene	U		0.00178	0.00524	1	09/28/2019 17:17	WG1353861
1,4-Dichlorobenzene	U		0.00206	0.00524	1	09/28/2019 17:17	WG1353861
Dichlorodifluoromethane	U		0.000857	0.00262	1	09/28/2019 17:17	WG1353861
1,1-Dichloroethane	U		0.000602	0.00262	1	09/28/2019 17:17	WG1353861
1,2-Dichloroethane	U		0.000498	0.00262	1	09/28/2019 17:17	WG1353861
1,1-Dichloroethene	U		0.000524	0.00262	1	09/28/2019 17:17	WG1353861
cis-1,2-Dichloroethene	0.00418		0.000723	0.00262	1	09/28/2019 17:17	WG1353861
trans-1,2-Dichloroethene	U		0.00150	0.00524	1	09/28/2019 17:17	WG1353861
1,2-Dichloropropane	U		0.00133	0.00524	1	09/28/2019 17:17	WG1353861
1,1-Dichloropropene	U		0.000733	0.00262	1	09/28/2019 17:17	WG1353861
1,3-Dichloropropane	U		0.00183	0.00524	1	09/28/2019 17:17	WG1353861
cis-1,3-Dichloropropene	U		0.000710	0.00262	1	09/28/2019 17:17	WG1353861
trans-1,3-Dichloropropene	U		0.00160	0.00524	1	09/28/2019 17:17	WG1353861
trans-1,4-Dichloro-2-butene	U		0.00147	0.00524	1	09/28/2019 17:17	WG1353861
2,2-Dichloropropane	U		0.000831	0.00262	1	09/28/2019 17:17	WG1353861
Di-isopropyl ether	U		0.000367	0.00105	1	09/28/2019 17:17	WG1353861
Ethylbenzene	U		0.000555	0.00262	1	09/28/2019 17:17	WG1353861
Hexachloro-1,3-butadiene	U		0.0133	0.0262	1	09/28/2019 17:17	WG1353861
2-Hexanone	U		0.0105	0.0262	1	09/28/2019 17:17	WG1353861
n-Hexane	0.0224		0.00111	0.00524	1	09/28/2019 17:17	WG1353861

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00634	0.0131	1	09/28/2019 17:17	WG1353861
Isopropylbenzene	U		0.000904	0.00262	1	09/28/2019 17:17	WG1353861
p-Isopropyltoluene	U		0.00244	0.00524	1	09/28/2019 17:17	WG1353861
2-Butanone (MEK)	0.0201	B J	0.0131	0.0262	1	09/28/2019 17:17	WG1353861
Methylene Chloride	0.00719	J	0.00696	0.0262	1	09/28/2019 17:17	WG1353861
4-Methyl-2-pentanone (MIBK)	U		0.0105	0.0262	1	09/28/2019 17:17	WG1353861
Methyl tert-butyl ether	U		0.000309	0.00105	1	09/28/2019 17:17	WG1353861
Naphthalene	U		0.00327	0.0131	1	09/28/2019 17:17	WG1353861
n-Propylbenzene	U		0.00124	0.00524	1	09/28/2019 17:17	WG1353861
Styrene	U		0.00286	0.0131	1	09/28/2019 17:17	WG1353861
1,1,1,2-Tetrachloroethane	U		0.000524	0.00262	1	09/28/2019 17:17	WG1353861
1,1,2,2-Tetrachloroethane	U		0.000409	0.00262	1	09/28/2019 17:17	WG1353861
1,1,2-Trichlorotrifluoroethane	U		0.000707	0.00262	1	09/28/2019 17:17	WG1353861
Tetrachloroethene	0.0585		0.000733	0.00262	1	09/28/2019 17:17	WG1353861
Toluene	0.0122		0.00131	0.00524	1	09/28/2019 17:17	WG1353861
1,2,3-Trichlorobenzene	U		0.000655	0.00262	1	09/28/2019 17:17	WG1353861
1,2,4-Trichlorobenzene	U		0.00505	0.0131	1	09/28/2019 17:17	WG1353861
1,1,1-Trichloroethane	U		0.000288	0.00262	1	09/28/2019 17:17	WG1353861
1,1,2-Trichloroethane	U		0.000925	0.00262	1	09/28/2019 17:17	WG1353861
Trichloroethene	0.0109		0.000419	0.00105	1	09/28/2019 17:17	WG1353861
Trichlorofluoromethane	U		0.000524	0.00262	1	09/28/2019 17:17	WG1353861
1,2,3-Trichloropropane	U		0.00534	0.0131	1	09/28/2019 17:17	WG1353861
1,2,4-Trimethylbenzene	U		0.00122	0.00524	1	09/28/2019 17:17	WG1353861
1,2,3-Trimethylbenzene	U		0.00120	0.00524	1	09/28/2019 17:17	WG1353861
1,3,5-Trimethylbenzene	U		0.00113	0.00524	1	09/28/2019 17:17	WG1353861
Vinyl acetate	U		0.00369	0.0131	1	09/28/2019 17:17	WG1353861
Vinyl chloride	U		0.000716	0.00262	1	09/28/2019 17:17	WG1353861
Xylenes, Total	U		0.00501	0.00681	1	09/28/2019 17:17	WG1353861
(S) Toluene-d8	*107*			*75.0-131*		*09/28/2019 17:17*	WG1353861
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*		*09/28/2019 17:17*	WG1353861
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*09/28/2019 17:17*	WG1353861

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.1		1	09/27/2019 10:50	WG1352829

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.17	J	0.901	2.66	25	09/28/2019 20:11	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*77.0-120*		*09/28/2019 20:11*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0352	B	0.0146	0.0266	1	09/28/2019 17:38	WG1353861
Acrylonitrile	U		0.00202	0.0133	1	09/28/2019 17:38	WG1353861
Benzene	U		0.000425	0.00106	1	09/28/2019 17:38	WG1353861
Bromobenzene	U		0.00112	0.0133	1	09/28/2019 17:38	WG1353861
Bromodichloromethane	U		0.000837	0.00266	1	09/28/2019 17:38	WG1353861
Bromochloromethane	U		0.00120	0.00531	1	09/28/2019 17:38	WG1353861
Bromoform	U		0.00635	0.0266	1	09/28/2019 17:38	WG1353861
Bromomethane	U		0.00393	0.0133	1	09/28/2019 17:38	WG1353861
n-Butylbenzene	U		0.00408	0.0133	1	09/28/2019 17:38	WG1353861
sec-Butylbenzene	U		0.00269	0.0133	1	09/28/2019 17:38	WG1353861
tert-Butylbenzene	U		0.00165	0.00531	1	09/28/2019 17:38	WG1353861
Carbon disulfide	U		0.00431	0.0133	1	09/28/2019 17:38	WG1353861
Carbon tetrachloride	U		0.00115	0.00531	1	09/28/2019 17:38	WG1353861
Chlorobenzene	U		0.000609	0.00266	1	09/28/2019 17:38	WG1353861
Chlorodibromomethane	U		0.000478	0.00266	1	09/28/2019 17:38	WG1353861
Chloroethane	U		0.00115	0.00531	1	09/28/2019 17:38	WG1353861
Chloroform	0.000695	B J	0.000441	0.00266	1	09/28/2019 17:38	WG1353861
Chloromethane	U		0.00148	0.0133	1	09/28/2019 17:38	WG1353861
2-Chlorotoluene	U		0.000977	0.00266	1	09/28/2019 17:38	WG1353861
4-Chlorotoluene	U		0.00120	0.00531	1	09/28/2019 17:38	WG1353861
1,2-Dibromo-3-Chloropropane	U		0.00542	0.0266	1	09/28/2019 17:38	WG1353861
1,2-Dibromoethane	U		0.000558	0.00266	1	09/28/2019 17:38	WG1353861
Dibromomethane	U		0.00106	0.00531	1	09/28/2019 17:38	WG1353861
1,2-Dichlorobenzene	U		0.00154	0.00531	1	09/28/2019 17:38	WG1353861
1,3-Dichlorobenzene	U		0.00181	0.00531	1	09/28/2019 17:38	WG1353861
1,4-Dichlorobenzene	U		0.00209	0.00531	1	09/28/2019 17:38	WG1353861
Dichlorodifluoromethane	U		0.000869	0.00266	1	09/28/2019 17:38	WG1353861
1,1-Dichloroethane	U		0.000611	0.00266	1	09/28/2019 17:38	WG1353861
1,2-Dichloroethane	U		0.000505	0.00266	1	09/28/2019 17:38	WG1353861
1,1-Dichloroethene	U		0.000531	0.00266	1	09/28/2019 17:38	WG1353861
cis-1,2-Dichloroethene	0.00442		0.000733	0.00266	1	09/28/2019 17:38	WG1353861
trans-1,2-Dichloroethene	U		0.00152	0.00531	1	09/28/2019 17:38	WG1353861
1,2-Dichloropropane	U		0.00135	0.00531	1	09/28/2019 17:38	WG1353861
1,1-Dichloropropene	U		0.000744	0.00266	1	09/28/2019 17:38	WG1353861
1,3-Dichloropropane	U		0.00186	0.00531	1	09/28/2019 17:38	WG1353861
cis-1,3-Dichloropropene	U		0.000720	0.00266	1	09/28/2019 17:38	WG1353861
trans-1,3-Dichloropropene	U		0.00163	0.00531	1	09/28/2019 17:38	WG1353861
trans-1,4-Dichloro-2-butene	U		0.00149	0.00531	1	09/28/2019 17:38	WG1353861
2,2-Dichloropropane	U		0.000842	0.00266	1	09/28/2019 17:38	WG1353861
Di-isopropyl ether	U		0.000372	0.00106	1	09/28/2019 17:38	WG1353861
Ethylbenzene	U		0.000563	0.00266	1	09/28/2019 17:38	WG1353861
Hexachloro-1,3-butadiene	U		0.0135	0.0266	1	09/28/2019 17:38	WG1353861
2-Hexanone	U		0.0106	0.0266	1	09/28/2019 17:38	WG1353861
n-Hexane	0.0211		0.00113	0.00531	1	09/28/2019 17:38	WG1353861

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00643	0.0133	1	09/28/2019 17:38	WG1353861
Isopropylbenzene	U		0.000917	0.00266	1	09/28/2019 17:38	WG1353861
p-Isopropyltoluene	U		0.00248	0.00531	1	09/28/2019 17:38	WG1353861
2-Butanone (MEK)	0.0213	B J	0.0133	0.0266	1	09/28/2019 17:38	WG1353861
Methylene Chloride	0.00739	J	0.00705	0.0266	1	09/28/2019 17:38	WG1353861
4-Methyl-2-pentanone (MIBK)	U		0.0106	0.0266	1	09/28/2019 17:38	WG1353861
Methyl tert-butyl ether	U		0.000313	0.00106	1	09/28/2019 17:38	WG1353861
Naphthalene	U		0.00331	0.0133	1	09/28/2019 17:38	WG1353861
n-Propylbenzene	U		0.00125	0.00531	1	09/28/2019 17:38	WG1353861
Styrene	U		0.00290	0.0133	1	09/28/2019 17:38	WG1353861
1,1,1,2-Tetrachloroethane	U		0.000531	0.00266	1	09/28/2019 17:38	WG1353861
1,1,2,2-Tetrachloroethane	U		0.000414	0.00266	1	09/28/2019 17:38	WG1353861
1,1,2-Trichlorotrifluoroethane	U		0.000717	0.00266	1	09/28/2019 17:38	WG1353861
Tetrachloroethene	0.0786		0.000744	0.00266	1	09/28/2019 17:38	WG1353861
Toluene	0.00948		0.00133	0.00531	1	09/28/2019 17:38	WG1353861
1,2,3-Trichlorobenzene	U		0.000664	0.00266	1	09/28/2019 17:38	WG1353861
1,2,4-Trichlorobenzene	U		0.00512	0.0133	1	09/28/2019 17:38	WG1353861
1,1,1-Trichloroethane	U		0.000292	0.00266	1	09/28/2019 17:38	WG1353861
1,1,2-Trichloroethane	U		0.000938	0.00266	1	09/28/2019 17:38	WG1353861
Trichloroethene	0.0108		0.000425	0.00106	1	09/28/2019 17:38	WG1353861
Trichlorofluoromethane	U		0.000531	0.00266	1	09/28/2019 17:38	WG1353861
1,2,3-Trichloropropane	U		0.00542	0.0133	1	09/28/2019 17:38	WG1353861
1,2,4-Trimethylbenzene	U		0.00123	0.00531	1	09/28/2019 17:38	WG1353861
1,2,3-Trimethylbenzene	U		0.00122	0.00531	1	09/28/2019 17:38	WG1353861
1,3,5-Trimethylbenzene	U		0.00115	0.00531	1	09/28/2019 17:38	WG1353861
Vinyl acetate	U		0.00374	0.0133	1	09/28/2019 17:38	WG1353861
Vinyl chloride	U		0.000726	0.00266	1	09/28/2019 17:38	WG1353861
Xylenes, Total	U		0.00508	0.00691	1	09/28/2019 17:38	WG1353861
(S) Toluene-d8	*106*			*75.0-131*		*09/28/2019 17:38*	WG1353861
(S) 4-Bromofluorobenzene	*97.9*			*67.0-138*		*09/28/2019 17:38*	WG1353861
(S) 1,2-Dichloroethane-d4	*95.2*			*70.0-130*		*09/28/2019 17:38*	WG1353861

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	09/27/2019 16:03	WG1352837

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.952	2.81	25	09/28/2019 20:32	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*96.0*			*77.0-120*		*09/28/2019 20:32*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0313	B	0.0154	0.0281	1	09/28/2019 18:00	WG1353861
Acrylonitrile	U		0.00213	0.0140	1	09/28/2019 18:00	WG1353861
Benzene	U		0.000449	0.00112	1	09/28/2019 18:00	WG1353861
Bromobenzene	U		0.00118	0.0140	1	09/28/2019 18:00	WG1353861
Bromodichloromethane	U		0.000885	0.00281	1	09/28/2019 18:00	WG1353861
Bromochloromethane	U		0.00127	0.00561	1	09/28/2019 18:00	WG1353861
Bromoform	U		0.00671	0.0281	1	09/28/2019 18:00	WG1353861
Bromomethane	U		0.00415	0.0140	1	09/28/2019 18:00	WG1353861
n-Butylbenzene	U		0.00431	0.0140	1	09/28/2019 18:00	WG1353861
sec-Butylbenzene	U		0.00284	0.0140	1	09/28/2019 18:00	WG1353861
tert-Butylbenzene	U		0.00174	0.00561	1	09/28/2019 18:00	WG1353861
Carbon disulfide	U		0.00456	0.0140	1	09/28/2019 18:00	WG1353861
Carbon tetrachloride	U		0.00121	0.00561	1	09/28/2019 18:00	WG1353861
Chlorobenzene	U		0.000643	0.00281	1	09/28/2019 18:00	WG1353861
Chlorodibromomethane	U		0.000505	0.00281	1	09/28/2019 18:00	WG1353861
Chloroethane	U		0.00121	0.00561	1	09/28/2019 18:00	WG1353861
Chloroform	0.000916	B J	0.000466	0.00281	1	09/28/2019 18:00	WG1353861
Chloromethane	U		0.00156	0.0140	1	09/28/2019 18:00	WG1353861
2-Chlorotoluene	U		0.00103	0.00281	1	09/28/2019 18:00	WG1353861
4-Chlorotoluene	U		0.00127	0.00561	1	09/28/2019 18:00	WG1353861
1,2-Dibromo-3-Chloropropane	U		0.00572	0.0281	1	09/28/2019 18:00	WG1353861
1,2-Dibromoethane	U		0.000589	0.00281	1	09/28/2019 18:00	WG1353861
Dibromomethane	U		0.00112	0.00561	1	09/28/2019 18:00	WG1353861
1,2-Dichlorobenzene	U		0.00163	0.00561	1	09/28/2019 18:00	WG1353861
1,3-Dichlorobenzene	U		0.00191	0.00561	1	09/28/2019 18:00	WG1353861
1,4-Dichlorobenzene	U		0.00221	0.00561	1	09/28/2019 18:00	WG1353861
Dichlorodifluoromethane	U		0.000918	0.00281	1	09/28/2019 18:00	WG1353861
1,1-Dichloroethane	U		0.000645	0.00281	1	09/28/2019 18:00	WG1353861
1,2-Dichloroethane	U		0.000533	0.00281	1	09/28/2019 18:00	WG1353861
1,1-Dichloroethene	U		0.000561	0.00281	1	09/28/2019 18:00	WG1353861
cis-1,2-Dichloroethene	U		0.000775	0.00281	1	09/28/2019 18:00	WG1353861
trans-1,2-Dichloroethene	U		0.00161	0.00561	1	09/28/2019 18:00	WG1353861
1,2-Dichloropropane	U		0.00143	0.00561	1	09/28/2019 18:00	WG1353861
1,1-Dichloropropene	U		0.000786	0.00281	1	09/28/2019 18:00	WG1353861
1,3-Dichloropropane	U		0.00196	0.00561	1	09/28/2019 18:00	WG1353861
cis-1,3-Dichloropropene	U		0.000761	0.00281	1	09/28/2019 18:00	WG1353861
trans-1,3-Dichloropropene	U		0.00172	0.00561	1	09/28/2019 18:00	WG1353861
trans-1,4-Dichloro-2-butene	U		0.00157	0.00561	1	09/28/2019 18:00	WG1353861
2,2-Dichloropropane	U		0.000890	0.00281	1	09/28/2019 18:00	WG1353861
Di-isopropyl ether	U		0.000393	0.00112	1	09/28/2019 18:00	WG1353861
Ethylbenzene	U		0.000595	0.00281	1	09/28/2019 18:00	WG1353861
Hexachloro-1,3-butadiene	U		0.0143	0.0281	1	09/28/2019 18:00	WG1353861
2-Hexanone	U		0.0112	0.0281	1	09/28/2019 18:00	WG1353861
n-Hexane	0.0192		0.00119	0.00561	1	09/28/2019 18:00	WG1353861

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00679	0.0140	1	09/28/2019 18:00	WG1353861
Isopropylbenzene	U		0.000969	0.00281	1	09/28/2019 18:00	WG1353861
p-Isopropyltoluene	U		0.00262	0.00561	1	09/28/2019 18:00	WG1353861
2-Butanone (MEK)	0.0157	B J	0.0140	0.0281	1	09/28/2019 18:00	WG1353861
Methylene Chloride	U		0.00745	0.0281	1	09/28/2019 18:00	WG1353861
4-Methyl-2-pentanone (MIBK)	U		0.0112	0.0281	1	09/28/2019 18:00	WG1353861
Methyl tert-butyl ether	U		0.000331	0.00112	1	09/28/2019 18:00	WG1353861
Naphthalene	U		0.00350	0.0140	1	09/28/2019 18:00	WG1353861
n-Propylbenzene	U		0.00132	0.00561	1	09/28/2019 18:00	WG1353861
Styrene	U		0.00306	0.0140	1	09/28/2019 18:00	WG1353861
1,1,1,2-Tetrachloroethane	U		0.000561	0.00281	1	09/28/2019 18:00	WG1353861
1,1,2,2-Tetrachloroethane	U		0.000438	0.00281	1	09/28/2019 18:00	WG1353861
1,1,2-Trichlorotrifluoroethane	U		0.000758	0.00281	1	09/28/2019 18:00	WG1353861
Tetrachloroethene	0.0108		0.000786	0.00281	1	09/28/2019 18:00	WG1353861
Toluene	0.0117		0.00140	0.00561	1	09/28/2019 18:00	WG1353861
1,2,3-Trichlorobenzene	U		0.000702	0.00281	1	09/28/2019 18:00	WG1353861
1,2,4-Trichlorobenzene	U		0.00541	0.0140	1	09/28/2019 18:00	WG1353861
1,1,1-Trichloroethane	U		0.000309	0.00281	1	09/28/2019 18:00	WG1353861
1,1,2-Trichloroethane	U		0.000991	0.00281	1	09/28/2019 18:00	WG1353861
Trichloroethene	0.00134		0.000449	0.00112	1	09/28/2019 18:00	WG1353861
Trichlorofluoromethane	U		0.000561	0.00281	1	09/28/2019 18:00	WG1353861
1,2,3-Trichloropropane	U		0.00572	0.0140	1	09/28/2019 18:00	WG1353861
1,2,4-Trimethylbenzene	U		0.00130	0.00561	1	09/28/2019 18:00	WG1353861
1,2,3-Trimethylbenzene	U		0.00129	0.00561	1	09/28/2019 18:00	WG1353861
1,3,5-Trimethylbenzene	U		0.00121	0.00561	1	09/28/2019 18:00	WG1353861
Vinyl acetate	U		0.00395	0.0140	1	09/28/2019 18:00	WG1353861
Vinyl chloride	U		0.000767	0.00281	1	09/28/2019 18:00	WG1353861
Xylenes, Total	U		0.00537	0.00730	1	09/28/2019 18:00	WG1353861
(S) Toluene-d8	*106*			*75.0-131*		*09/28/2019 18:00*	WG1353861
(S) 4-Bromofluorobenzene	*94.0*			*67.0-138*		*09/28/2019 18:00*	WG1353861
(S) 1,2-Dichloroethane-d4	*96.2*			*70.0-130*		*09/28/2019 18:00*	WG1353861

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.5		1	09/27/2019 16:03	WG1352837

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.970	2.86	25	09/28/2019 20:52	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*96.2*			*77.0-120*		*09/28/2019 20:52*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0282	B J	0.0157	0.0286	1	09/28/2019 18:21	WG1353861
Acrylonitrile	U		0.00217	0.0143	1	09/28/2019 18:21	WG1353861
Benzene	U		0.000457	0.00114	1	09/28/2019 18:21	WG1353861
Bromobenzene	U		0.00120	0.0143	1	09/28/2019 18:21	WG1353861
Bromodichloromethane	U		0.000901	0.00286	1	09/28/2019 18:21	WG1353861
Bromochloromethane	U		0.00129	0.00572	1	09/28/2019 18:21	WG1353861
Bromoform	U		0.00684	0.0286	1	09/28/2019 18:21	WG1353861
Bromomethane	U		0.00423	0.0143	1	09/28/2019 18:21	WG1353861
n-Butylbenzene	U		0.00439	0.0143	1	09/28/2019 18:21	WG1353861
sec-Butylbenzene	U		0.00289	0.0143	1	09/28/2019 18:21	WG1353861
tert-Butylbenzene	U		0.00177	0.00572	1	09/28/2019 18:21	WG1353861
Carbon disulfide	U		0.00464	0.0143	1	09/28/2019 18:21	WG1353861
Carbon tetrachloride	U		0.00123	0.00572	1	09/28/2019 18:21	WG1353861
Chlorobenzene	U		0.000655	0.00286	1	09/28/2019 18:21	WG1353861
Chlorodibromomethane	U		0.000515	0.00286	1	09/28/2019 18:21	WG1353861
Chloroethane	U		0.00123	0.00572	1	09/28/2019 18:21	WG1353861
Chloroform	0.000535	B J	0.000474	0.00286	1	09/28/2019 18:21	WG1353861
Chloromethane	U		0.00159	0.0143	1	09/28/2019 18:21	WG1353861
2-Chlorotoluene	U		0.00105	0.00286	1	09/28/2019 18:21	WG1353861
4-Chlorotoluene	U		0.00129	0.00572	1	09/28/2019 18:21	WG1353861
1,2-Dibromo-3-Chloropropane	U		0.00583	0.0286	1	09/28/2019 18:21	WG1353861
1,2-Dibromoethane	U		0.000600	0.00286	1	09/28/2019 18:21	WG1353861
Dibromomethane	U		0.00114	0.00572	1	09/28/2019 18:21	WG1353861
1,2-Dichlorobenzene	U		0.00166	0.00572	1	09/28/2019 18:21	WG1353861
1,3-Dichlorobenzene	U		0.00194	0.00572	1	09/28/2019 18:21	WG1353861
1,4-Dichlorobenzene	U		0.00225	0.00572	1	09/28/2019 18:21	WG1353861
Dichlorodifluoromethane	U		0.000935	0.00286	1	09/28/2019 18:21	WG1353861
1,1-Dichloroethane	U		0.000657	0.00286	1	09/28/2019 18:21	WG1353861
1,2-Dichloroethane	U		0.000543	0.00286	1	09/28/2019 18:21	WG1353861
1,1-Dichloroethene	U		0.000572	0.00286	1	09/28/2019 18:21	WG1353861
cis-1,2-Dichloroethene	U		0.000789	0.00286	1	09/28/2019 18:21	WG1353861
trans-1,2-Dichloroethene	U		0.00163	0.00572	1	09/28/2019 18:21	WG1353861
1,2-Dichloropropane	U		0.00145	0.00572	1	09/28/2019 18:21	WG1353861
1,1-Dichloropropene	U		0.000800	0.00286	1	09/28/2019 18:21	WG1353861
1,3-Dichloropropane	U		0.00200	0.00572	1	09/28/2019 18:21	WG1353861
cis-1,3-Dichloropropene	U		0.000775	0.00286	1	09/28/2019 18:21	WG1353861
trans-1,3-Dichloropropene	U		0.00175	0.00572	1	09/28/2019 18:21	WG1353861
trans-1,4-Dichloro-2-butene	U		0.00160	0.00572	1	09/28/2019 18:21	WG1353861
2,2-Dichloropropane	U		0.000907	0.00286	1	09/28/2019 18:21	WG1353861
Di-isopropyl ether	U		0.000400	0.00114	1	09/28/2019 18:21	WG1353861
Ethylbenzene	U		0.000606	0.00286	1	09/28/2019 18:21	WG1353861
Hexachloro-1,3-butadiene	U		0.0145	0.0286	1	09/28/2019 18:21	WG1353861
2-Hexanone	U		0.0114	0.0286	1	09/28/2019 18:21	WG1353861
n-Hexane	0.0119		0.00121	0.00572	1	09/28/2019 18:21	WG1353861

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00692	0.0143	1	09/28/2019 18:21	WG1353861
Isopropylbenzene	U		0.000987	0.00286	1	09/28/2019 18:21	WG1353861
p-Isopropyltoluene	U		0.00266	0.00572	1	09/28/2019 18:21	WG1353861
2-Butanone (MEK)	0.0151	B J	0.0143	0.0286	1	09/28/2019 18:21	WG1353861
Methylene Chloride	U		0.00759	0.0286	1	09/28/2019 18:21	WG1353861
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0286	1	09/28/2019 18:21	WG1353861
Methyl tert-butyl ether	U		0.000337	0.00114	1	09/28/2019 18:21	WG1353861
Naphthalene	U		0.00357	0.0143	1	09/28/2019 18:21	WG1353861
n-Propylbenzene	U		0.00135	0.00572	1	09/28/2019 18:21	WG1353861
Styrene	U		0.00312	0.0143	1	09/28/2019 18:21	WG1353861
1,1,1,2-Tetrachloroethane	U		0.000572	0.00286	1	09/28/2019 18:21	WG1353861
1,1,2,2-Tetrachloroethane	U		0.000446	0.00286	1	09/28/2019 18:21	WG1353861
1,1,2-Trichlorotrifluoroethane	U		0.000772	0.00286	1	09/28/2019 18:21	WG1353861
Tetrachloroethene	U		0.000800	0.00286	1	09/28/2019 18:21	WG1353861
Toluene	0.00557	J	0.00143	0.00572	1	09/28/2019 18:21	WG1353861
1,2,3-Trichlorobenzene	U		0.000715	0.00286	1	09/28/2019 18:21	WG1353861
1,2,4-Trichlorobenzene	U		0.00551	0.0143	1	09/28/2019 18:21	WG1353861
1,1,1-Trichloroethane	U		0.000314	0.00286	1	09/28/2019 18:21	WG1353861
1,1,2-Trichloroethane	U		0.00101	0.00286	1	09/28/2019 18:21	WG1353861
Trichloroethene	U		0.000457	0.00114	1	09/28/2019 18:21	WG1353861
Trichlorofluoromethane	U		0.000572	0.00286	1	09/28/2019 18:21	WG1353861
1,2,3-Trichloropropane	U		0.00583	0.0143	1	09/28/2019 18:21	WG1353861
1,2,4-Trimethylbenzene	U		0.00133	0.00572	1	09/28/2019 18:21	WG1353861
1,2,3-Trimethylbenzene	U		0.00131	0.00572	1	09/28/2019 18:21	WG1353861
1,3,5-Trimethylbenzene	U		0.00123	0.00572	1	09/28/2019 18:21	WG1353861
Vinyl acetate	U		0.00402	0.0143	1	09/28/2019 18:21	WG1353861
Vinyl chloride	U		0.000781	0.00286	1	09/28/2019 18:21	WG1353861
Xylenes, Total	U		0.00547	0.00743	1	09/28/2019 18:21	WG1353861
(S) Toluene-d8	*108*			*75.0-131*		*09/28/2019 18:21*	WG1353861
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*09/28/2019 18:21*	WG1353861
(S) 1,2-Dichloroethane-d4	*95.3*			*70.0-130*		*09/28/2019 18:21*	WG1353861

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.5		1	09/27/2019 16:03	WG1352837

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.79	J	0.888	2.62	25	09/28/2019 21:13	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*97.6*			*77.0-120*		*09/28/2019 21:13*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0337	B	0.0144	0.0262	1	09/28/2019 18:43	WG1353861
Acrylonitrile	U		0.00199	0.0131	1	09/28/2019 18:43	WG1353861
Benzene	0.000610	J	0.000419	0.00105	1	09/28/2019 18:43	WG1353861
Bromobenzene	U		0.00110	0.0131	1	09/28/2019 18:43	WG1353861
Bromodichloromethane	U		0.000825	0.00262	1	09/28/2019 18:43	WG1353861
Bromochloromethane	U		0.00118	0.00524	1	09/28/2019 18:43	WG1353861
Bromoform	U		0.00626	0.0262	1	09/28/2019 18:43	WG1353861
Bromomethane	U		0.00388	0.0131	1	09/28/2019 18:43	WG1353861
n-Butylbenzene	U		0.00402	0.0131	1	09/28/2019 18:43	WG1353861
sec-Butylbenzene	U		0.00265	0.0131	1	09/28/2019 18:43	WG1353861
tert-Butylbenzene	U		0.00162	0.00524	1	09/28/2019 18:43	WG1353861
Carbon disulfide	U		0.00425	0.0131	1	09/28/2019 18:43	WG1353861
Carbon tetrachloride	U		0.00113	0.00524	1	09/28/2019 18:43	WG1353861
Chlorobenzene	U		0.000600	0.00262	1	09/28/2019 18:43	WG1353861
Chlorodibromomethane	U		0.000471	0.00262	1	09/28/2019 18:43	WG1353861
Chloroethane	U		0.00113	0.00524	1	09/28/2019 18:43	WG1353861
Chloroform	0.000748	B J	0.000435	0.00262	1	09/28/2019 18:43	WG1353861
Chloromethane	U		0.00146	0.0131	1	09/28/2019 18:43	WG1353861
2-Chlorotoluene	U		0.000964	0.00262	1	09/28/2019 18:43	WG1353861
4-Chlorotoluene	U		0.00118	0.00524	1	09/28/2019 18:43	WG1353861
1,2-Dibromo-3-Chloropropane	U		0.00534	0.0262	1	09/28/2019 18:43	WG1353861
1,2-Dibromoethane	U		0.000550	0.00262	1	09/28/2019 18:43	WG1353861
Dibromomethane	U		0.00105	0.00524	1	09/28/2019 18:43	WG1353861
1,2-Dichlorobenzene	U		0.00152	0.00524	1	09/28/2019 18:43	WG1353861
1,3-Dichlorobenzene	U		0.00178	0.00524	1	09/28/2019 18:43	WG1353861
1,4-Dichlorobenzene	U		0.00206	0.00524	1	09/28/2019 18:43	WG1353861
Dichlorodifluoromethane	U		0.000857	0.00262	1	09/28/2019 18:43	WG1353861
1,1-Dichloroethane	U		0.000602	0.00262	1	09/28/2019 18:43	WG1353861
1,2-Dichloroethane	U		0.000498	0.00262	1	09/28/2019 18:43	WG1353861
1,1-Dichloroethene	U		0.000524	0.00262	1	09/28/2019 18:43	WG1353861
cis-1,2-Dichloroethene	U		0.000723	0.00262	1	09/28/2019 18:43	WG1353861
trans-1,2-Dichloroethene	U		0.00150	0.00524	1	09/28/2019 18:43	WG1353861
1,2-Dichloropropane	U		0.00133	0.00524	1	09/28/2019 18:43	WG1353861
1,1-Dichloropropene	U		0.000733	0.00262	1	09/28/2019 18:43	WG1353861
1,3-Dichloropropane	U		0.00183	0.00524	1	09/28/2019 18:43	WG1353861
cis-1,3-Dichloropropene	U		0.000710	0.00262	1	09/28/2019 18:43	WG1353861
trans-1,3-Dichloropropene	U		0.00160	0.00524	1	09/28/2019 18:43	WG1353861
trans-1,4-Dichloro-2-butene	U		0.00147	0.00524	1	09/28/2019 18:43	WG1353861
2,2-Dichloropropane	U		0.000831	0.00262	1	09/28/2019 18:43	WG1353861
Di-isopropyl ether	U		0.000367	0.00105	1	09/28/2019 18:43	WG1353861
Ethylbenzene	U		0.000555	0.00262	1	09/28/2019 18:43	WG1353861
Hexachloro-1,3-butadiene	U		0.0133	0.0262	1	09/28/2019 18:43	WG1353861
2-Hexanone	U		0.0105	0.0262	1	09/28/2019 18:43	WG1353861
n-Hexane	0.0233		0.00111	0.00524	1	09/28/2019 18:43	WG1353861

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00634	0.0131	1	09/28/2019 18:43	WG1353861
Isopropylbenzene	U		0.000904	0.00262	1	09/28/2019 18:43	WG1353861
p-Isopropyltoluene	U		0.00244	0.00524	1	09/28/2019 18:43	WG1353861
2-Butanone (MEK)	0.0208	B J	0.0131	0.0262	1	09/28/2019 18:43	WG1353861
Methylene Chloride	0.00833	J	0.00696	0.0262	1	09/28/2019 18:43	WG1353861
4-Methyl-2-pentanone (MIBK)	U		0.0105	0.0262	1	09/28/2019 18:43	WG1353861
Methyl tert-butyl ether	U		0.000309	0.00105	1	09/28/2019 18:43	WG1353861
Naphthalene	U		0.00327	0.0131	1	09/28/2019 18:43	WG1353861
n-Propylbenzene	U		0.00124	0.00524	1	09/28/2019 18:43	WG1353861
Styrene	U		0.00286	0.0131	1	09/28/2019 18:43	WG1353861
1,1,1,2-Tetrachloroethane	U		0.000524	0.00262	1	09/28/2019 18:43	WG1353861
1,1,2,2-Tetrachloroethane	U		0.000409	0.00262	1	09/28/2019 18:43	WG1353861
1,1,2-Trichlorotrifluoroethane	U		0.000707	0.00262	1	09/28/2019 18:43	WG1353861
Tetrachloroethene	0.00158	J	0.000733	0.00262	1	09/28/2019 18:43	WG1353861
Toluene	0.0175		0.00131	0.00524	1	09/28/2019 18:43	WG1353861
1,2,3-Trichlorobenzene	U		0.000655	0.00262	1	09/28/2019 18:43	WG1353861
1,2,4-Trichlorobenzene	U		0.00505	0.0131	1	09/28/2019 18:43	WG1353861
1,1,1-Trichloroethane	U		0.000288	0.00262	1	09/28/2019 18:43	WG1353861
1,1,2-Trichloroethane	U		0.000925	0.00262	1	09/28/2019 18:43	WG1353861
Trichloroethene	U		0.000419	0.00105	1	09/28/2019 18:43	WG1353861
Trichlorofluoromethane	U		0.000524	0.00262	1	09/28/2019 18:43	WG1353861
1,2,3-Trichloropropane	U		0.00534	0.0131	1	09/28/2019 18:43	WG1353861
1,2,4-Trimethylbenzene	U		0.00122	0.00524	1	09/28/2019 18:43	WG1353861
1,2,3-Trimethylbenzene	U		0.00120	0.00524	1	09/28/2019 18:43	WG1353861
1,3,5-Trimethylbenzene	U		0.00113	0.00524	1	09/28/2019 18:43	WG1353861
Vinyl acetate	U		0.00369	0.0131	1	09/28/2019 18:43	WG1353861
Vinyl chloride	U		0.000715	0.00262	1	09/28/2019 18:43	WG1353861
Xylenes, Total	U		0.00501	0.00681	1	09/28/2019 18:43	WG1353861
(S) Toluene-d8	*108*			*75.0-131*		*09/28/2019 18:43*	WG1353861
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*09/28/2019 18:43*	WG1353861
(S) 1,2-Dichloroethane-d4	*95.0*			*70.0-130*		*09/28/2019 18:43*	WG1353861

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	09/27/2019 16:03	WG1352837

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.44	J	0.920	2.71	25	09/28/2019 21:33	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*09/28/2019 21:33*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0295	B	0.0149	0.0271	1	09/28/2019 19:04	WG1353861
Acrylonitrile	U		0.00206	0.0136	1	09/28/2019 19:04	WG1353861
Benzene	0.000459	J	0.000434	0.00108	1	09/28/2019 19:04	WG1353861
Bromobenzene	U		0.00114	0.0136	1	09/28/2019 19:04	WG1353861
Bromodichloromethane	U		0.000855	0.00271	1	09/28/2019 19:04	WG1353861
Bromochloromethane	U		0.00123	0.00542	1	09/28/2019 19:04	WG1353861
Bromoform	U		0.00649	0.0271	1	09/28/2019 19:04	WG1353861
Bromomethane	U		0.00401	0.0136	1	09/28/2019 19:04	WG1353861
n-Butylbenzene	U		0.00416	0.0136	1	09/28/2019 19:04	WG1353861
sec-Butylbenzene	U		0.00274	0.0136	1	09/28/2019 19:04	WG1353861
tert-Butylbenzene	U		0.00168	0.00542	1	09/28/2019 19:04	WG1353861
Carbon disulfide	U		0.00440	0.0136	1	09/28/2019 19:04	WG1353861
Carbon tetrachloride	U		0.00117	0.00542	1	09/28/2019 19:04	WG1353861
Chlorobenzene	U		0.000621	0.00271	1	09/28/2019 19:04	WG1353861
Chlorodibromomethane	U		0.000488	0.00271	1	09/28/2019 19:04	WG1353861
Chloroethane	U		0.00117	0.00542	1	09/28/2019 19:04	WG1353861
Chloroform	0.000536	B J	0.000450	0.00271	1	09/28/2019 19:04	WG1353861
Chloromethane	U		0.00151	0.0136	1	09/28/2019 19:04	WG1353861
2-Chlorotoluene	U		0.000998	0.00271	1	09/28/2019 19:04	WG1353861
4-Chlorotoluene	U		0.00123	0.00542	1	09/28/2019 19:04	WG1353861
1,2-Dibromo-3-Chloropropane	U		0.00553	0.0271	1	09/28/2019 19:04	WG1353861
1,2-Dibromoethane	U		0.000569	0.00271	1	09/28/2019 19:04	WG1353861
Dibromomethane	U		0.00108	0.00542	1	09/28/2019 19:04	WG1353861
1,2-Dichlorobenzene	U		0.00157	0.00542	1	09/28/2019 19:04	WG1353861
1,3-Dichlorobenzene	U		0.00184	0.00542	1	09/28/2019 19:04	WG1353861
1,4-Dichlorobenzene	U		0.00214	0.00542	1	09/28/2019 19:04	WG1353861
Dichlorodifluoromethane	U		0.000887	0.00271	1	09/28/2019 19:04	WG1353861
1,1-Dichloroethane	U		0.000624	0.00271	1	09/28/2019 19:04	WG1353861
1,2-Dichloroethane	U		0.000515	0.00271	1	09/28/2019 19:04	WG1353861
1,1-Dichloroethene	U		0.000542	0.00271	1	09/28/2019 19:04	WG1353861
cis-1,2-Dichloroethene	0.0790		0.000748	0.00271	1	09/28/2019 19:04	WG1353861
trans-1,2-Dichloroethene	U		0.00155	0.00542	1	09/28/2019 19:04	WG1353861
1,2-Dichloropropane	U		0.00138	0.00542	1	09/28/2019 19:04	WG1353861
1,1-Dichloropropene	U		0.000759	0.00271	1	09/28/2019 19:04	WG1353861
1,3-Dichloropropane	U		0.00190	0.00542	1	09/28/2019 19:04	WG1353861
cis-1,3-Dichloropropene	U		0.000735	0.00271	1	09/28/2019 19:04	WG1353861
trans-1,3-Dichloropropene	U		0.00166	0.00542	1	09/28/2019 19:04	WG1353861
trans-1,4-Dichloro-2-butene	U		0.00152	0.00542	1	09/28/2019 19:04	WG1353861
2,2-Dichloropropane	U		0.000860	0.00271	1	09/28/2019 19:04	WG1353861
Di-isopropyl ether	U		0.000380	0.00108	1	09/28/2019 19:04	WG1353861
Ethylbenzene	U		0.000575	0.00271	1	09/28/2019 19:04	WG1353861
Hexachloro-1,3-butadiene	U		0.0138	0.0271	1	09/28/2019 19:04	WG1353861
2-Hexanone	U		0.0108	0.0271	1	09/28/2019 19:04	WG1353861
n-Hexane	0.0429		0.00115	0.00542	1	09/28/2019 19:04	WG1353861

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00656	0.0136	1	09/28/2019 19:04	WG1353861
Isopropylbenzene	U		0.000936	0.00271	1	09/28/2019 19:04	WG1353861
p-Isopropyltoluene	U		0.00253	0.00542	1	09/28/2019 19:04	WG1353861
2-Butanone (MEK)	0.0189	B J	0.0136	0.0271	1	09/28/2019 19:04	WG1353861
Methylene Chloride	0.00853	J	0.00720	0.0271	1	09/28/2019 19:04	WG1353861
4-Methyl-2-pentanone (MIBK)	U		0.0108	0.0271	1	09/28/2019 19:04	WG1353861
Methyl tert-butyl ether	U		0.000320	0.00108	1	09/28/2019 19:04	WG1353861
Naphthalene	U		0.00338	0.0136	1	09/28/2019 19:04	WG1353861
n-Propylbenzene	U		0.00128	0.00542	1	09/28/2019 19:04	WG1353861
Styrene	U		0.00296	0.0136	1	09/28/2019 19:04	WG1353861
1,1,1,2-Tetrachloroethane	U		0.000542	0.00271	1	09/28/2019 19:04	WG1353861
1,1,2,2-Tetrachloroethane	U		0.000423	0.00271	1	09/28/2019 19:04	WG1353861
1,1,2-Trichlorotrifluoroethane	U		0.000732	0.00271	1	09/28/2019 19:04	WG1353861
Tetrachloroethene	U		0.000759	0.00271	1	09/28/2019 19:04	WG1353861
Toluene	0.00877		0.00136	0.00542	1	09/28/2019 19:04	WG1353861
1,2,3-Trichlorobenzene	U		0.000678	0.00271	1	09/28/2019 19:04	WG1353861
1,2,4-Trichlorobenzene	U		0.00523	0.0136	1	09/28/2019 19:04	WG1353861
1,1,1-Trichloroethane	U		0.000298	0.00271	1	09/28/2019 19:04	WG1353861
1,1,2-Trichloroethane	U		0.000958	0.00271	1	09/28/2019 19:04	WG1353861
Trichloroethene	U		0.000434	0.00108	1	09/28/2019 19:04	WG1353861
Trichlorofluoromethane	0.00272		0.000542	0.00271	1	09/28/2019 19:04	WG1353861
1,2,3-Trichloropropane	U		0.00553	0.0136	1	09/28/2019 19:04	WG1353861
1,2,4-Trimethylbenzene	U		0.00126	0.00542	1	09/28/2019 19:04	WG1353861
1,2,3-Trimethylbenzene	U		0.00125	0.00542	1	09/28/2019 19:04	WG1353861
1,3,5-Trimethylbenzene	U		0.00117	0.00542	1	09/28/2019 19:04	WG1353861
Vinyl acetate	U		0.00382	0.0136	1	09/28/2019 19:04	WG1353861
Vinyl chloride	0.00676		0.000741	0.00271	1	09/28/2019 19:04	WG1353861
Xylenes, Total	U		0.00518	0.00705	1	09/28/2019 19:04	WG1353861
(S) Toluene-d8	*106*			*75.0-131*		*09/28/2019 19:04*	WG1353861
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*09/28/2019 19:04*	WG1353861
(S) 1,2-Dichloroethane-d4	*94.2*			*70.0-130*		*09/28/2019 19:04*	WG1353861

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.8		1	09/27/2019 16:03	WG1352837

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.39	J	0.924	2.72	25	09/28/2019 21:54	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*97.2*			*77.0-120*		*09/28/2019 21:54*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0266	B J	0.0149	0.0272	1	09/28/2019 19:26	WG1353861
Acrylonitrile	U		0.00207	0.0136	1	09/28/2019 19:26	WG1353861
Benzene	0.000462	J	0.000436	0.00109	1	09/28/2019 19:26	WG1353861
Bromobenzene	U		0.00114	0.0136	1	09/28/2019 19:26	WG1353861
Bromodichloromethane	U		0.000859	0.00272	1	09/28/2019 19:26	WG1353861
Bromochloromethane	U		0.00123	0.00545	1	09/28/2019 19:26	WG1353861
Bromoform	U		0.00652	0.0272	1	09/28/2019 19:26	WG1353861
Bromomethane	U		0.00403	0.0136	1	09/28/2019 19:26	WG1353861
n-Butylbenzene	U		0.00418	0.0136	1	09/28/2019 19:26	WG1353861
sec-Butylbenzene	U		0.00276	0.0136	1	09/28/2019 19:26	WG1353861
tert-Butylbenzene	U		0.00169	0.00545	1	09/28/2019 19:26	WG1353861
Carbon disulfide	U		0.00442	0.0136	1	09/28/2019 19:26	WG1353861
Carbon tetrachloride	U		0.00118	0.00545	1	09/28/2019 19:26	WG1353861
Chlorobenzene	U		0.000624	0.00272	1	09/28/2019 19:26	WG1353861
Chlorodibromomethane	U		0.000490	0.00272	1	09/28/2019 19:26	WG1353861
Chloroethane	U		0.00118	0.00545	1	09/28/2019 19:26	WG1353861
Chloroform	0.000608	B J	0.000452	0.00272	1	09/28/2019 19:26	WG1353861
Chloromethane	U		0.00151	0.0136	1	09/28/2019 19:26	WG1353861
2-Chlorotoluene	U		0.00100	0.00272	1	09/28/2019 19:26	WG1353861
4-Chlorotoluene	U		0.00123	0.00545	1	09/28/2019 19:26	WG1353861
1,2-Dibromo-3-Chloropropane	U		0.00556	0.0272	1	09/28/2019 19:26	WG1353861
1,2-Dibromoethane	U		0.000572	0.00272	1	09/28/2019 19:26	WG1353861
Dibromomethane	U		0.00109	0.00545	1	09/28/2019 19:26	WG1353861
1,2-Dichlorobenzene	U		0.00158	0.00545	1	09/28/2019 19:26	WG1353861
1,3-Dichlorobenzene	U		0.00185	0.00545	1	09/28/2019 19:26	WG1353861
1,4-Dichlorobenzene	U		0.00215	0.00545	1	09/28/2019 19:26	WG1353861
Dichlorodifluoromethane	U		0.000891	0.00272	1	09/28/2019 19:26	WG1353861
1,1-Dichloroethane	U		0.000627	0.00272	1	09/28/2019 19:26	WG1353861
1,2-Dichloroethane	U		0.000518	0.00272	1	09/28/2019 19:26	WG1353861
1,1-Dichloroethene	U		0.000545	0.00272	1	09/28/2019 19:26	WG1353861
cis-1,2-Dichloroethene	0.00884		0.000752	0.00272	1	09/28/2019 19:26	WG1353861
trans-1,2-Dichloroethene	U		0.00156	0.00545	1	09/28/2019 19:26	WG1353861
1,2-Dichloropropane	U		0.00138	0.00545	1	09/28/2019 19:26	WG1353861
1,1-Dichloropropene	U		0.000763	0.00272	1	09/28/2019 19:26	WG1353861
1,3-Dichloropropane	U		0.00191	0.00545	1	09/28/2019 19:26	WG1353861
cis-1,3-Dichloropropene	U		0.000739	0.00272	1	09/28/2019 19:26	WG1353861
trans-1,3-Dichloropropene	U		0.00167	0.00545	1	09/28/2019 19:26	WG1353861
trans-1,4-Dichloro-2-butene	U		0.00153	0.00545	1	09/28/2019 19:26	WG1353861
2,2-Dichloropropane	U		0.000864	0.00272	1	09/28/2019 19:26	WG1353861
Di-isopropyl ether	U		0.000381	0.00109	1	09/28/2019 19:26	WG1353861
Ethylbenzene	U		0.000578	0.00272	1	09/28/2019 19:26	WG1353861
Hexachloro-1,3-butadiene	U		0.0138	0.0272	1	09/28/2019 19:26	WG1353861
2-Hexanone	U		0.0109	0.0272	1	09/28/2019 19:26	WG1353861
n-Hexane	0.0107		0.00116	0.00545	1	09/28/2019 19:26	WG1353861

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00659	0.0136	1	09/28/2019 19:26	WG1353861
Isopropylbenzene	U		0.000940	0.00272	1	09/28/2019 19:26	WG1353861
p-Isopropyltoluene	U		0.00254	0.00545	1	09/28/2019 19:26	WG1353861
2-Butanone (MEK)	0.0149	B J	0.0136	0.0272	1	09/28/2019 19:26	WG1353861
Methylene Chloride	0.00805	J	0.00724	0.0272	1	09/28/2019 19:26	WG1353861
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0272	1	09/28/2019 19:26	WG1353861
Methyl tert-butyl ether	U		0.000321	0.00109	1	09/28/2019 19:26	WG1353861
Naphthalene	U		0.00340	0.0136	1	09/28/2019 19:26	WG1353861
n-Propylbenzene	U		0.00129	0.00545	1	09/28/2019 19:26	WG1353861
Styrene	U		0.00297	0.0136	1	09/28/2019 19:26	WG1353861
1,1,1,2-Tetrachloroethane	U		0.000545	0.00272	1	09/28/2019 19:26	WG1353861
1,1,2,2-Tetrachloroethane	U		0.000425	0.00272	1	09/28/2019 19:26	WG1353861
1,1,2-Trichlorotrifluoroethane	U		0.000736	0.00272	1	09/28/2019 19:26	WG1353861
Tetrachloroethene	0.00369		0.000763	0.00272	1	09/28/2019 19:26	WG1353861
Toluene	0.00549		0.00136	0.00545	1	09/28/2019 19:26	WG1353861
1,2,3-Trichlorobenzene	U		0.000681	0.00272	1	09/28/2019 19:26	WG1353861
1,2,4-Trichlorobenzene	U		0.00525	0.0136	1	09/28/2019 19:26	WG1353861
1,1,1-Trichloroethane	U		0.000300	0.00272	1	09/28/2019 19:26	WG1353861
1,1,2-Trichloroethane	U		0.000962	0.00272	1	09/28/2019 19:26	WG1353861
Trichloroethene	U		0.000436	0.00109	1	09/28/2019 19:26	WG1353861
Trichlorofluoromethane	U		0.000545	0.00272	1	09/28/2019 19:26	WG1353861
1,2,3-Trichloropropane	U		0.00556	0.0136	1	09/28/2019 19:26	WG1353861
1,2,4-Trimethylbenzene	U		0.00126	0.00545	1	09/28/2019 19:26	WG1353861
1,2,3-Trimethylbenzene	U		0.00125	0.00545	1	09/28/2019 19:26	WG1353861
1,3,5-Trimethylbenzene	U		0.00118	0.00545	1	09/28/2019 19:26	WG1353861
Vinyl acetate	U		0.00384	0.0136	1	09/28/2019 19:26	WG1353861
Vinyl chloride	0.0173		0.000744	0.00272	1	09/28/2019 19:26	WG1353861
Xylenes, Total	U		0.00521	0.00708	1	09/28/2019 19:26	WG1353861
(S) Toluene-d8	*107*			*75.0-131*		*09/28/2019 19:26*	WG1353861
(S) 4-Bromofluorobenzene	*94.8*			*67.0-138*		*09/28/2019 19:26*	WG1353861
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*		*09/28/2019 19:26*	WG1353861

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	09/27/2019 16:03	WG1352837

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.65	J	0.936	2.76	25	09/28/2019 22:15	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*96.0*			*77.0-120*		*09/28/2019 22:15*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0369	B	0.0151	0.0276	1	09/28/2019 19:48	WG1353861
Acrylonitrile	U		0.00210	0.0138	1	09/28/2019 19:48	WG1353861
Benzene	0.000683	J	0.000442	0.00110	1	09/28/2019 19:48	WG1353861
Bromobenzene	U		0.00116	0.0138	1	09/28/2019 19:48	WG1353861
Bromodichloromethane	U		0.000870	0.00276	1	09/28/2019 19:48	WG1353861
Bromochloromethane	U		0.00125	0.00552	1	09/28/2019 19:48	WG1353861
Bromoform	U		0.00660	0.0276	1	09/28/2019 19:48	WG1353861
Bromomethane	U		0.00409	0.0138	1	09/28/2019 19:48	WG1353861
n-Butylbenzene	U		0.00424	0.0138	1	09/28/2019 19:48	WG1353861
sec-Butylbenzene	U		0.00279	0.0138	1	09/28/2019 19:48	WG1353861
tert-Butylbenzene	U		0.00171	0.00552	1	09/28/2019 19:48	WG1353861
Carbon disulfide	U		0.00448	0.0138	1	09/28/2019 19:48	WG1353861
Carbon tetrachloride	U		0.00119	0.00552	1	09/28/2019 19:48	WG1353861
Chlorobenzene	U		0.000633	0.00276	1	09/28/2019 19:48	WG1353861
Chlorodibromomethane	U		0.000497	0.00276	1	09/28/2019 19:48	WG1353861
Chloroethane	U		0.00119	0.00552	1	09/28/2019 19:48	WG1353861
Chloroform	0.000788	B J	0.000458	0.00276	1	09/28/2019 19:48	WG1353861
Chloromethane	U		0.00153	0.0138	1	09/28/2019 19:48	WG1353861
2-Chlorotoluene	U		0.00102	0.00276	1	09/28/2019 19:48	WG1353861
4-Chlorotoluene	U		0.00125	0.00552	1	09/28/2019 19:48	WG1353861
1,2-Dibromo-3-Chloropropane	U		0.00563	0.0276	1	09/28/2019 19:48	WG1353861
1,2-Dibromoethane	U		0.000580	0.00276	1	09/28/2019 19:48	WG1353861
Dibromomethane	U		0.00110	0.00552	1	09/28/2019 19:48	WG1353861
1,2-Dichlorobenzene	U		0.00160	0.00552	1	09/28/2019 19:48	WG1353861
1,3-Dichlorobenzene	U		0.00188	0.00552	1	09/28/2019 19:48	WG1353861
1,4-Dichlorobenzene	U		0.00218	0.00552	1	09/28/2019 19:48	WG1353861
Dichlorodifluoromethane	U		0.000903	0.00276	1	09/28/2019 19:48	WG1353861
1,1-Dichloroethane	U		0.000635	0.00276	1	09/28/2019 19:48	WG1353861
1,2-Dichloroethane	U		0.000525	0.00276	1	09/28/2019 19:48	WG1353861
1,1-Dichloroethene	U		0.000552	0.00276	1	09/28/2019 19:48	WG1353861
cis-1,2-Dichloroethene	U		0.000762	0.00276	1	09/28/2019 19:48	WG1353861
trans-1,2-Dichloroethene	U		0.00158	0.00552	1	09/28/2019 19:48	WG1353861
1,2-Dichloropropane	U		0.00140	0.00552	1	09/28/2019 19:48	WG1353861
1,1-Dichloropropene	U		0.000773	0.00276	1	09/28/2019 19:48	WG1353861
1,3-Dichloropropane	U		0.00193	0.00552	1	09/28/2019 19:48	WG1353861
cis-1,3-Dichloropropene	U		0.000749	0.00276	1	09/28/2019 19:48	WG1353861
trans-1,3-Dichloropropene	U		0.00169	0.00552	1	09/28/2019 19:48	WG1353861
trans-1,4-Dichloro-2-butene	U		0.00155	0.00552	1	09/28/2019 19:48	WG1353861
2,2-Dichloropropane	U		0.000876	0.00276	1	09/28/2019 19:48	WG1353861
Di-isopropyl ether	U		0.000387	0.00110	1	09/28/2019 19:48	WG1353861
Ethylbenzene	0.000853	J	0.000585	0.00276	1	09/28/2019 19:48	WG1353861
Hexachloro-1,3-butadiene	U		0.0140	0.0276	1	09/28/2019 19:48	WG1353861
2-Hexanone	U		0.0110	0.0276	1	09/28/2019 19:48	WG1353861
n-Hexane	0.0267		0.00117	0.00552	1	09/28/2019 19:48	WG1353861

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00668	0.0138	1	09/28/2019 19:48	WG1353861
Isopropylbenzene	U		0.000953	0.00276	1	09/28/2019 19:48	WG1353861
p-Isopropyltoluene	U		0.00257	0.00552	1	09/28/2019 19:48	WG1353861
2-Butanone (MEK)	0.0163	B J	0.0138	0.0276	1	09/28/2019 19:48	WG1353861
Methylene Chloride	0.0104	J	0.00733	0.0276	1	09/28/2019 19:48	WG1353861
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0276	1	09/28/2019 19:48	WG1353861
Methyl tert-butyl ether	U		0.000326	0.00110	1	09/28/2019 19:48	WG1353861
Naphthalene	U		0.00345	0.0138	1	09/28/2019 19:48	WG1353861
n-Propylbenzene	U		0.00130	0.00552	1	09/28/2019 19:48	WG1353861
Styrene	U		0.00301	0.0138	1	09/28/2019 19:48	WG1353861
1,1,1,2-Tetrachloroethane	U		0.000552	0.00276	1	09/28/2019 19:48	WG1353861
1,1,2,2-Tetrachloroethane	U		0.000431	0.00276	1	09/28/2019 19:48	WG1353861
1,1,2-Trichlorotrifluoroethane	U		0.000745	0.00276	1	09/28/2019 19:48	WG1353861
Tetrachloroethene	U		0.000773	0.00276	1	09/28/2019 19:48	WG1353861
Toluene	0.0191		0.00138	0.00552	1	09/28/2019 19:48	WG1353861
1,2,3-Trichlorobenzene	U		0.000690	0.00276	1	09/28/2019 19:48	WG1353861
1,2,4-Trichlorobenzene	U		0.00532	0.0138	1	09/28/2019 19:48	WG1353861
1,1,1-Trichloroethane	U		0.000304	0.00276	1	09/28/2019 19:48	WG1353861
1,1,2-Trichloroethane	U		0.000975	0.00276	1	09/28/2019 19:48	WG1353861
Trichloroethene	U		0.000442	0.00110	1	09/28/2019 19:48	WG1353861
Trichlorofluoromethane	U		0.000552	0.00276	1	09/28/2019 19:48	WG1353861
1,2,3-Trichloropropane	U		0.00563	0.0138	1	09/28/2019 19:48	WG1353861
1,2,4-Trimethylbenzene	0.00140	J	0.00128	0.00552	1	09/28/2019 19:48	WG1353861
1,2,3-Trimethylbenzene	U		0.00127	0.00552	1	09/28/2019 19:48	WG1353861
1,3,5-Trimethylbenzene	U		0.00119	0.00552	1	09/28/2019 19:48	WG1353861
Vinyl acetate	U		0.00389	0.0138	1	09/28/2019 19:48	WG1353861
Vinyl chloride	U		0.000754	0.00276	1	09/28/2019 19:48	WG1353861
Xylenes, Total	U		0.00528	0.00718	1	09/28/2019 19:48	WG1353861
(S) Toluene-d8	*108*			*75.0-131*		*09/28/2019 19:48*	WG1353861
(S) 4-Bromofluorobenzene	*94.9*			*67.0-138*		*09/28/2019 19:48*	WG1353861
(S) 1,2-Dichloroethane-d4	*94.8*			*70.0-130*		*09/28/2019 19:48*	WG1353861

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.3		1	09/27/2019 16:03	WG1352837

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.943	J	0.939	2.77	25	09/28/2019 22:35	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*09/28/2019 22:35*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0402		0.0152	0.0277	1	09/28/2019 13:48	WG1353892
Acrylonitrile	U	J0	0.00210	0.0138	1	09/28/2019 13:48	WG1353892
Benzene	U		0.000443	0.00111	1	09/28/2019 13:48	WG1353892
Bromobenzene	U		0.00116	0.0138	1	09/28/2019 13:48	WG1353892
Bromodichloromethane	U		0.000873	0.00277	1	09/28/2019 13:48	WG1353892
Bromochloromethane	U		0.00125	0.00554	1	09/28/2019 13:48	WG1353892
Bromoform	U		0.00662	0.0277	1	09/28/2019 13:48	WG1353892
Bromomethane	U		0.00410	0.0138	1	09/28/2019 13:48	WG1353892
n-Butylbenzene	U		0.00425	0.0138	1	09/28/2019 13:48	WG1353892
sec-Butylbenzene	U		0.00280	0.0138	1	09/28/2019 13:48	WG1353892
tert-Butylbenzene	U		0.00172	0.00554	1	09/28/2019 13:48	WG1353892
Carbon disulfide	U		0.00450	0.0138	1	09/28/2019 13:48	WG1353892
Carbon tetrachloride	U		0.00120	0.00554	1	09/28/2019 13:48	WG1353892
Chlorobenzene	U		0.000635	0.00277	1	09/28/2019 13:48	WG1353892
Chlorodibromomethane	U		0.000498	0.00277	1	09/28/2019 13:48	WG1353892
Chloroethane	U		0.00120	0.00554	1	09/28/2019 13:48	WG1353892
Chloroform	U		0.000460	0.00277	1	09/28/2019 13:48	WG1353892
Chloromethane	U		0.00154	0.0138	1	09/28/2019 13:48	WG1353892
2-Chlorotoluene	U		0.00102	0.00277	1	09/28/2019 13:48	WG1353892
4-Chlorotoluene	U		0.00125	0.00554	1	09/28/2019 13:48	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00565	0.0277	1	09/28/2019 13:48	WG1353892
1,2-Dibromoethane	U		0.000582	0.00277	1	09/28/2019 13:48	WG1353892
Dibromomethane	U		0.00111	0.00554	1	09/28/2019 13:48	WG1353892
1,2-Dichlorobenzene	U		0.00161	0.00554	1	09/28/2019 13:48	WG1353892
1,3-Dichlorobenzene	U		0.00188	0.00554	1	09/28/2019 13:48	WG1353892
1,4-Dichlorobenzene	U		0.00218	0.00554	1	09/28/2019 13:48	WG1353892
Dichlorodifluoromethane	U		0.000906	0.00277	1	09/28/2019 13:48	WG1353892
1,1-Dichloroethane	U		0.000637	0.00277	1	09/28/2019 13:48	WG1353892
1,2-Dichloroethane	U		0.000526	0.00277	1	09/28/2019 13:48	WG1353892
1,1-Dichloroethene	U		0.000554	0.00277	1	09/28/2019 13:48	WG1353892
cis-1,2-Dichloroethene	U		0.000764	0.00277	1	09/28/2019 13:48	WG1353892
trans-1,2-Dichloroethene	U		0.00158	0.00554	1	09/28/2019 13:48	WG1353892
1,2-Dichloropropane	U		0.00141	0.00554	1	09/28/2019 13:48	WG1353892
1,1-Dichloropropene	U		0.000775	0.00277	1	09/28/2019 13:48	WG1353892
1,3-Dichloropropane	U		0.00194	0.00554	1	09/28/2019 13:48	WG1353892
cis-1,3-Dichloropropene	U		0.000751	0.00277	1	09/28/2019 13:48	WG1353892
trans-1,3-Dichloropropene	U		0.00169	0.00554	1	09/28/2019 13:48	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00155	0.00554	1	09/28/2019 13:48	WG1353892
2,2-Dichloropropane	U		0.000878	0.00277	1	09/28/2019 13:48	WG1353892
Di-isopropyl ether	U		0.000388	0.00111	1	09/28/2019 13:48	WG1353892
Ethylbenzene	U		0.000587	0.00277	1	09/28/2019 13:48	WG1353892
Hexachloro-1,3-butadiene	U		0.0141	0.0277	1	09/28/2019 13:48	WG1353892
2-Hexanone	U		0.0111	0.0277	1	09/28/2019 13:48	WG1353892
n-Hexane	U		0.00117	0.00554	1	09/28/2019 13:48	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00670	0.0138	1	09/28/2019 13:48	WG1353892
Isopropylbenzene	U		0.000956	0.00277	1	09/28/2019 13:48	WG1353892
p-Isopropyltoluene	U		0.00258	0.00554	1	09/28/2019 13:48	WG1353892
2-Butanone (MEK)	U		0.0138	0.0277	1	09/28/2019 13:48	WG1353892
Methylene Chloride	0.0122	B J	0.00735	0.0277	1	09/28/2019 13:48	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0111	0.0277	1	09/28/2019 13:48	WG1353892
Methyl tert-butyl ether	U		0.000327	0.00111	1	09/28/2019 13:48	WG1353892
Naphthalene	U		0.00346	0.0138	1	09/28/2019 13:48	WG1353892
n-Propylbenzene	U		0.00131	0.00554	1	09/28/2019 13:48	WG1353892
Styrene	U		0.00302	0.0138	1	09/28/2019 13:48	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000554	0.00277	1	09/28/2019 13:48	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000432	0.00277	1	09/28/2019 13:48	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000748	0.00277	1	09/28/2019 13:48	WG1353892
Tetrachloroethene	U		0.000775	0.00277	1	09/28/2019 13:48	WG1353892
Toluene	0.00717		0.00138	0.00554	1	09/28/2019 13:48	WG1353892
1,2,3-Trichlorobenzene	U		0.000692	0.00277	1	09/28/2019 13:48	WG1353892
1,2,4-Trichlorobenzene	U		0.00534	0.0138	1	09/28/2019 13:48	WG1353892
1,1,1-Trichloroethane	U		0.000305	0.00277	1	09/28/2019 13:48	WG1353892
1,1,2-Trichloroethane	U		0.000978	0.00277	1	09/28/2019 13:48	WG1353892
Trichloroethene	U		0.000443	0.00111	1	09/28/2019 13:48	WG1353892
Trichlorofluoromethane	U		0.000554	0.00277	1	09/28/2019 13:48	WG1353892
1,2,3-Trichloropropane	U		0.00565	0.0138	1	09/28/2019 13:48	WG1353892
1,2,4-Trimethylbenzene	U		0.00128	0.00554	1	09/28/2019 13:48	WG1353892
1,2,3-Trimethylbenzene	U		0.00127	0.00554	1	09/28/2019 13:48	WG1353892
1,3,5-Trimethylbenzene	U		0.00120	0.00554	1	09/28/2019 13:48	WG1353892
Vinyl acetate	U		0.00390	0.0138	1	09/28/2019 13:48	WG1353892
Vinyl chloride	U		0.000757	0.00277	1	09/28/2019 13:48	WG1353892
Xylenes, Total	U		0.00529	0.00720	1	09/28/2019 13:48	WG1353892
(S) Toluene-d8	*109*			*75.0-131*		*09/28/2019 13:48*	WG1353892
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/28/2019 13:48*	WG1353892
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/28/2019 13:48*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	09/27/2019 16:03	WG1352837

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.927	2.73	25	09/28/2019 22:56	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*94.4*			*77.0-120*		*09/28/2019 22:56*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0363		0.0150	0.0273	1	09/28/2019 14:09	WG1353892
Acrylonitrile	U	J0	0.00208	0.0137	1	09/28/2019 14:09	WG1353892
Benzene	U		0.000437	0.00109	1	09/28/2019 14:09	WG1353892
Bromobenzene	U		0.00115	0.0137	1	09/28/2019 14:09	WG1353892
Bromodichloromethane	U		0.000862	0.00273	1	09/28/2019 14:09	WG1353892
Bromochloromethane	U		0.00124	0.00547	1	09/28/2019 14:09	WG1353892
Bromoform	U		0.00654	0.0273	1	09/28/2019 14:09	WG1353892
Bromomethane	U		0.00405	0.0137	1	09/28/2019 14:09	WG1353892
n-Butylbenzene	U		0.00420	0.0137	1	09/28/2019 14:09	WG1353892
sec-Butylbenzene	U		0.00277	0.0137	1	09/28/2019 14:09	WG1353892
tert-Butylbenzene	U		0.00169	0.00547	1	09/28/2019 14:09	WG1353892
Carbon disulfide	U		0.00444	0.0137	1	09/28/2019 14:09	WG1353892
Carbon tetrachloride	U		0.00118	0.00547	1	09/28/2019 14:09	WG1353892
Chlorobenzene	U		0.000626	0.00273	1	09/28/2019 14:09	WG1353892
Chlorodibromomethane	U		0.000492	0.00273	1	09/28/2019 14:09	WG1353892
Chloroethane	U		0.00118	0.00547	1	09/28/2019 14:09	WG1353892
Chloroform	U		0.000454	0.00273	1	09/28/2019 14:09	WG1353892
Chloromethane	U		0.00152	0.0137	1	09/28/2019 14:09	WG1353892
2-Chlorotoluene	U		0.00101	0.00273	1	09/28/2019 14:09	WG1353892
4-Chlorotoluene	U		0.00124	0.00547	1	09/28/2019 14:09	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00558	0.0273	1	09/28/2019 14:09	WG1353892
1,2-Dibromoethane	U		0.000574	0.00273	1	09/28/2019 14:09	WG1353892
Dibromomethane	U		0.00109	0.00547	1	09/28/2019 14:09	WG1353892
1,2-Dichlorobenzene	U		0.00159	0.00547	1	09/28/2019 14:09	WG1353892
1,3-Dichlorobenzene	U		0.00186	0.00547	1	09/28/2019 14:09	WG1353892
1,4-Dichlorobenzene	U		0.00215	0.00547	1	09/28/2019 14:09	WG1353892
Dichlorodifluoromethane	U		0.000894	0.00273	1	09/28/2019 14:09	WG1353892
1,1-Dichloroethane	U		0.000629	0.00273	1	09/28/2019 14:09	WG1353892
1,2-Dichloroethane	U		0.000519	0.00273	1	09/28/2019 14:09	WG1353892
1,1-Dichloroethene	U		0.000547	0.00273	1	09/28/2019 14:09	WG1353892
cis-1,2-Dichloroethene	U		0.000754	0.00273	1	09/28/2019 14:09	WG1353892
trans-1,2-Dichloroethene	U		0.00156	0.00547	1	09/28/2019 14:09	WG1353892
1,2-Dichloropropane	U		0.00139	0.00547	1	09/28/2019 14:09	WG1353892
1,1-Dichloropropene	U		0.000765	0.00273	1	09/28/2019 14:09	WG1353892
1,3-Dichloropropane	U		0.00191	0.00547	1	09/28/2019 14:09	WG1353892
cis-1,3-Dichloropropene	U		0.000741	0.00273	1	09/28/2019 14:09	WG1353892
trans-1,3-Dichloropropene	U		0.00167	0.00547	1	09/28/2019 14:09	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00153	0.00547	1	09/28/2019 14:09	WG1353892
2,2-Dichloropropane	U		0.000867	0.00273	1	09/28/2019 14:09	WG1353892
Di-isopropyl ether	U		0.000383	0.00109	1	09/28/2019 14:09	WG1353892
Ethylbenzene	U		0.000579	0.00273	1	09/28/2019 14:09	WG1353892
Hexachloro-1,3-butadiene	U		0.0139	0.0273	1	09/28/2019 14:09	WG1353892
2-Hexanone	U		0.0109	0.0273	1	09/28/2019 14:09	WG1353892
n-Hexane	0.00849		0.00116	0.00547	1	09/28/2019 14:09	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00661	0.0137	1	09/28/2019 14:09	WG1353892
Isopropylbenzene	U		0.000944	0.00273	1	09/28/2019 14:09	WG1353892
p-Isopropyltoluene	U		0.00255	0.00547	1	09/28/2019 14:09	WG1353892
2-Butanone (MEK)	U		0.0137	0.0273	1	09/28/2019 14:09	WG1353892
Methylene Chloride	0.0117	B J	0.00726	0.0273	1	09/28/2019 14:09	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0273	1	09/28/2019 14:09	WG1353892
Methyl tert-butyl ether	U		0.000323	0.00109	1	09/28/2019 14:09	WG1353892
Naphthalene	U		0.00341	0.0137	1	09/28/2019 14:09	WG1353892
n-Propylbenzene	U		0.00129	0.00547	1	09/28/2019 14:09	WG1353892
Styrene	U		0.00298	0.0137	1	09/28/2019 14:09	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000547	0.00273	1	09/28/2019 14:09	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000426	0.00273	1	09/28/2019 14:09	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000738	0.00273	1	09/28/2019 14:09	WG1353892
Tetrachloroethene	U		0.000765	0.00273	1	09/28/2019 14:09	WG1353892
Toluene	0.00803		0.00137	0.00547	1	09/28/2019 14:09	WG1353892
1,2,3-Trichlorobenzene	U		0.000683	0.00273	1	09/28/2019 14:09	WG1353892
1,2,4-Trichlorobenzene	U		0.00527	0.0137	1	09/28/2019 14:09	WG1353892
1,1,1-Trichloroethane	U		0.000301	0.00273	1	09/28/2019 14:09	WG1353892
1,1,2-Trichloroethane	U		0.000965	0.00273	1	09/28/2019 14:09	WG1353892
Trichloroethene	U		0.000437	0.00109	1	09/28/2019 14:09	WG1353892
Trichlorofluoromethane	U		0.000547	0.00273	1	09/28/2019 14:09	WG1353892
1,2,3-Trichloropropane	U		0.00558	0.0137	1	09/28/2019 14:09	WG1353892
1,2,4-Trimethylbenzene	U		0.00127	0.00547	1	09/28/2019 14:09	WG1353892
1,2,3-Trimethylbenzene	U		0.00126	0.00547	1	09/28/2019 14:09	WG1353892
1,3,5-Trimethylbenzene	U		0.00118	0.00547	1	09/28/2019 14:09	WG1353892
Vinyl acetate	U		0.00385	0.0137	1	09/28/2019 14:09	WG1353892
Vinyl chloride	U		0.000747	0.00273	1	09/28/2019 14:09	WG1353892
Xylenes, Total	U		0.00523	0.00711	1	09/28/2019 14:09	WG1353892
(S) Toluene-d8	*110*			*75.0-131*		*09/28/2019 14:09*	WG1353892
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*		*09/28/2019 14:09*	WG1353892
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/28/2019 14:09*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	09/27/2019 16:03	WG1352837

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.49	J	0.926	2.73	25	09/28/2019 23:16	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*97.7*			*77.0-120*		*09/28/2019 23:16*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0540		0.0150	0.0273	1	09/28/2019 14:29	WG1353892
Acrylonitrile	U	J0	0.00207	0.0136	1	09/28/2019 14:29	WG1353892
Benzene	U		0.000437	0.00109	1	09/28/2019 14:29	WG1353892
Bromobenzene	U		0.00115	0.0136	1	09/28/2019 14:29	WG1353892
Bromodichloromethane	U		0.000860	0.00273	1	09/28/2019 14:29	WG1353892
Bromochloromethane	U		0.00123	0.00546	1	09/28/2019 14:29	WG1353892
Bromoform	U		0.00653	0.0273	1	09/28/2019 14:29	WG1353892
Bromomethane	U		0.00404	0.0136	1	09/28/2019 14:29	WG1353892
n-Butylbenzene	U		0.00419	0.0136	1	09/28/2019 14:29	WG1353892
sec-Butylbenzene	U		0.00276	0.0136	1	09/28/2019 14:29	WG1353892
tert-Butylbenzene	U		0.00169	0.00546	1	09/28/2019 14:29	WG1353892
Carbon disulfide	U		0.00443	0.0136	1	09/28/2019 14:29	WG1353892
Carbon tetrachloride	U		0.00118	0.00546	1	09/28/2019 14:29	WG1353892
Chlorobenzene	U		0.000626	0.00273	1	09/28/2019 14:29	WG1353892
Chlorodibromomethane	U		0.000491	0.00273	1	09/28/2019 14:29	WG1353892
Chloroethane	U		0.00118	0.00546	1	09/28/2019 14:29	WG1353892
Chloroform	U		0.000453	0.00273	1	09/28/2019 14:29	WG1353892
Chloromethane	U		0.00152	0.0136	1	09/28/2019 14:29	WG1353892
2-Chlorotoluene	U		0.00100	0.00273	1	09/28/2019 14:29	WG1353892
4-Chlorotoluene	U		0.00123	0.00546	1	09/28/2019 14:29	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00557	0.0273	1	09/28/2019 14:29	WG1353892
1,2-Dibromoethane	U		0.000573	0.00273	1	09/28/2019 14:29	WG1353892
Dibromomethane	U		0.00109	0.00546	1	09/28/2019 14:29	WG1353892
1,2-Dichlorobenzene	U		0.00158	0.00546	1	09/28/2019 14:29	WG1353892
1,3-Dichlorobenzene	U		0.00186	0.00546	1	09/28/2019 14:29	WG1353892
1,4-Dichlorobenzene	U		0.00215	0.00546	1	09/28/2019 14:29	WG1353892
Dichlorodifluoromethane	U		0.000893	0.00273	1	09/28/2019 14:29	WG1353892
1,1-Dichloroethane	U		0.000628	0.00273	1	09/28/2019 14:29	WG1353892
1,2-Dichloroethane	U		0.000519	0.00273	1	09/28/2019 14:29	WG1353892
1,1-Dichloroethene	U		0.000546	0.00273	1	09/28/2019 14:29	WG1353892
cis-1,2-Dichloroethene	U		0.000753	0.00273	1	09/28/2019 14:29	WG1353892
trans-1,2-Dichloroethene	U		0.00156	0.00546	1	09/28/2019 14:29	WG1353892
1,2-Dichloropropane	U		0.00139	0.00546	1	09/28/2019 14:29	WG1353892
1,1-Dichloropropene	U		0.000764	0.00273	1	09/28/2019 14:29	WG1353892
1,3-Dichloropropane	U		0.00191	0.00546	1	09/28/2019 14:29	WG1353892
cis-1,3-Dichloropropene	U		0.000740	0.00273	1	09/28/2019 14:29	WG1353892
trans-1,3-Dichloropropene	U		0.00167	0.00546	1	09/28/2019 14:29	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00153	0.00546	1	09/28/2019 14:29	WG1353892
2,2-Dichloropropane	U		0.000866	0.00273	1	09/28/2019 14:29	WG1353892
Di-isopropyl ether	U		0.000382	0.00109	1	09/28/2019 14:29	WG1353892
Ethylbenzene	U		0.000579	0.00273	1	09/28/2019 14:29	WG1353892
Hexachloro-1,3-butadiene	U		0.0139	0.0273	1	09/28/2019 14:29	WG1353892
2-Hexanone	U		0.0109	0.0273	1	09/28/2019 14:29	WG1353892
n-Hexane	0.0119		0.00116	0.00546	1	09/28/2019 14:29	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00661	0.0136	1	09/28/2019 14:29	WG1353892
Isopropylbenzene	U		0.000942	0.00273	1	09/28/2019 14:29	WG1353892
p-Isopropyltoluene	U		0.00254	0.00546	1	09/28/2019 14:29	WG1353892
2-Butanone (MEK)	U		0.0136	0.0273	1	09/28/2019 14:29	WG1353892
Methylene Chloride	0.0139	B J	0.00725	0.0273	1	09/28/2019 14:29	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0273	1	09/28/2019 14:29	WG1353892
Methyl tert-butyl ether	U		0.000322	0.00109	1	09/28/2019 14:29	WG1353892
Naphthalene	U		0.00341	0.0136	1	09/28/2019 14:29	WG1353892
n-Propylbenzene	U		0.00129	0.00546	1	09/28/2019 14:29	WG1353892
Styrene	U		0.00298	0.0136	1	09/28/2019 14:29	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000546	0.00273	1	09/28/2019 14:29	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000426	0.00273	1	09/28/2019 14:29	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000737	0.00273	1	09/28/2019 14:29	WG1353892
Tetrachloroethene	0.00132	J	0.000764	0.00273	1	09/28/2019 14:29	WG1353892
Toluene	0.0117		0.00136	0.00546	1	09/28/2019 14:29	WG1353892
1,2,3-Trichlorobenzene	U		0.000682	0.00273	1	09/28/2019 14:29	WG1353892
1,2,4-Trichlorobenzene	U		0.00526	0.0136	1	09/28/2019 14:29	WG1353892
1,1,1-Trichloroethane	U		0.000300	0.00273	1	09/28/2019 14:29	WG1353892
1,1,2-Trichloroethane	U		0.000964	0.00273	1	09/28/2019 14:29	WG1353892
Trichloroethene	U		0.000437	0.00109	1	09/28/2019 14:29	WG1353892
Trichlorofluoromethane	U		0.000546	0.00273	1	09/28/2019 14:29	WG1353892
1,2,3-Trichloropropane	U		0.00557	0.0136	1	09/28/2019 14:29	WG1353892
1,2,4-Trimethylbenzene	U		0.00127	0.00546	1	09/28/2019 14:29	WG1353892
1,2,3-Trimethylbenzene	U		0.00126	0.00546	1	09/28/2019 14:29	WG1353892
1,3,5-Trimethylbenzene	U		0.00118	0.00546	1	09/28/2019 14:29	WG1353892
Vinyl acetate	U		0.00384	0.0136	1	09/28/2019 14:29	WG1353892
Vinyl chloride	U		0.000746	0.00273	1	09/28/2019 14:29	WG1353892
Xylenes, Total	U		0.00522	0.00710	1	09/28/2019 14:29	WG1353892
(S) Toluene-d8	*110*			*75.0-131*		*09/28/2019 14:29*	WG1353892
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/28/2019 14:29*	WG1353892
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/28/2019 14:29*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	09/27/2019 16:03	WG1352837

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.23	J	0.975	2.87	25	09/28/2019 23:37	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*97.5*			*77.0-120*		*09/28/2019 23:37*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0590		0.0157	0.0287	1	09/28/2019 14:50	WG1353892
Acrylonitrile	U	J0	0.00218	0.0144	1	09/28/2019 14:50	WG1353892
Benzene	U		0.000460	0.00115	1	09/28/2019 14:50	WG1353892
Bromobenzene	U		0.00121	0.0144	1	09/28/2019 14:50	WG1353892
Bromodichloromethane	U		0.000906	0.00287	1	09/28/2019 14:50	WG1353892
Bromochloromethane	U		0.00130	0.00575	1	09/28/2019 14:50	WG1353892
Bromoform	U		0.00687	0.0287	1	09/28/2019 14:50	WG1353892
Bromomethane	U		0.00425	0.0144	1	09/28/2019 14:50	WG1353892
n-Butylbenzene	U		0.00441	0.0144	1	09/28/2019 14:50	WG1353892
sec-Butylbenzene	U		0.00291	0.0144	1	09/28/2019 14:50	WG1353892
tert-Butylbenzene	U		0.00178	0.00575	1	09/28/2019 14:50	WG1353892
Carbon disulfide	U		0.00467	0.0144	1	09/28/2019 14:50	WG1353892
Carbon tetrachloride	U		0.00124	0.00575	1	09/28/2019 14:50	WG1353892
Chlorobenzene	U		0.000659	0.00287	1	09/28/2019 14:50	WG1353892
Chlorodibromomethane	U		0.000517	0.00287	1	09/28/2019 14:50	WG1353892
Chloroethane	U		0.00124	0.00575	1	09/28/2019 14:50	WG1353892
Chloroform	U		0.000477	0.00287	1	09/28/2019 14:50	WG1353892
Chloromethane	U		0.00160	0.0144	1	09/28/2019 14:50	WG1353892
2-Chlorotoluene	U		0.00106	0.00287	1	09/28/2019 14:50	WG1353892
4-Chlorotoluene	U		0.00130	0.00575	1	09/28/2019 14:50	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00586	0.0287	1	09/28/2019 14:50	WG1353892
1,2-Dibromoethane	U		0.000604	0.00287	1	09/28/2019 14:50	WG1353892
Dibromomethane	U		0.00115	0.00575	1	09/28/2019 14:50	WG1353892
1,2-Dichlorobenzene	U		0.00167	0.00575	1	09/28/2019 14:50	WG1353892
1,3-Dichlorobenzene	U		0.00195	0.00575	1	09/28/2019 14:50	WG1353892
1,4-Dichlorobenzene	U		0.00226	0.00575	1	09/28/2019 14:50	WG1353892
Dichlorodifluoromethane	U		0.000940	0.00287	1	09/28/2019 14:50	WG1353892
1,1-Dichloroethane	U		0.000661	0.00287	1	09/28/2019 14:50	WG1353892
1,2-Dichloroethane	U		0.000546	0.00287	1	09/28/2019 14:50	WG1353892
1,1-Dichloroethene	U		0.000575	0.00287	1	09/28/2019 14:50	WG1353892
cis-1,2-Dichloroethene	U		0.000793	0.00287	1	09/28/2019 14:50	WG1353892
trans-1,2-Dichloroethene	U		0.00164	0.00575	1	09/28/2019 14:50	WG1353892
1,2-Dichloropropane	U		0.00146	0.00575	1	09/28/2019 14:50	WG1353892
1,1-Dichloropropene	U		0.000805	0.00287	1	09/28/2019 14:50	WG1353892
1,3-Dichloropropane	U		0.00201	0.00575	1	09/28/2019 14:50	WG1353892
cis-1,3-Dichloropropene	U		0.000779	0.00287	1	09/28/2019 14:50	WG1353892
trans-1,3-Dichloropropene	U		0.00176	0.00575	1	09/28/2019 14:50	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00161	0.00575	1	09/28/2019 14:50	WG1353892
2,2-Dichloropropane	U		0.000912	0.00287	1	09/28/2019 14:50	WG1353892
Di-isopropyl ether	U		0.000402	0.00115	1	09/28/2019 14:50	WG1353892
Ethylbenzene	U		0.000609	0.00287	1	09/28/2019 14:50	WG1353892
Hexachloro-1,3-butadiene	U		0.0146	0.0287	1	09/28/2019 14:50	WG1353892
2-Hexanone	U		0.0115	0.0287	1	09/28/2019 14:50	WG1353892
n-Hexane	U		0.00122	0.00575	1	09/28/2019 14:50	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00696	0.0144	1	09/28/2019 14:50	WG1353892
Isopropylbenzene	U		0.000992	0.00287	1	09/28/2019 14:50	WG1353892
p-Isopropyltoluene	U		0.00268	0.00575	1	09/28/2019 14:50	WG1353892
2-Butanone (MEK)	U		0.0144	0.0287	1	09/28/2019 14:50	WG1353892
Methylene Chloride	0.0138	B J	0.00763	0.0287	1	09/28/2019 14:50	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0287	1	09/28/2019 14:50	WG1353892
Methyl tert-butyl ether	U		0.000339	0.00115	1	09/28/2019 14:50	WG1353892
Naphthalene	U		0.00359	0.0144	1	09/28/2019 14:50	WG1353892
n-Propylbenzene	U		0.00136	0.00575	1	09/28/2019 14:50	WG1353892
Styrene	U		0.00314	0.0144	1	09/28/2019 14:50	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000575	0.00287	1	09/28/2019 14:50	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000448	0.00287	1	09/28/2019 14:50	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000776	0.00287	1	09/28/2019 14:50	WG1353892
Tetrachloroethene	U		0.000805	0.00287	1	09/28/2019 14:50	WG1353892
Toluene	0.00843		0.00144	0.00575	1	09/28/2019 14:50	WG1353892
1,2,3-Trichlorobenzene	U		0.000719	0.00287	1	09/28/2019 14:50	WG1353892
1,2,4-Trichlorobenzene	U		0.00554	0.0144	1	09/28/2019 14:50	WG1353892
1,1,1-Trichloroethane	U		0.000316	0.00287	1	09/28/2019 14:50	WG1353892
1,1,2-Trichloroethane	U		0.00102	0.00287	1	09/28/2019 14:50	WG1353892
Trichloroethene	U		0.000460	0.00115	1	09/28/2019 14:50	WG1353892
Trichlorofluoromethane	U		0.000575	0.00287	1	09/28/2019 14:50	WG1353892
1,2,3-Trichloropropane	U		0.00586	0.0144	1	09/28/2019 14:50	WG1353892
1,2,4-Trimethylbenzene	U		0.00133	0.00575	1	09/28/2019 14:50	WG1353892
1,2,3-Trimethylbenzene	U		0.00132	0.00575	1	09/28/2019 14:50	WG1353892
1,3,5-Trimethylbenzene	U		0.00124	0.00575	1	09/28/2019 14:50	WG1353892
Vinyl acetate	U		0.00405	0.0144	1	09/28/2019 14:50	WG1353892
Vinyl chloride	U		0.000785	0.00287	1	09/28/2019 14:50	WG1353892
Xylenes, Total	U		0.00550	0.00747	1	09/28/2019 14:50	WG1353892
(S) Toluene-d8	*111*			*75.0-131*		*09/28/2019 14:50*	WG1353892
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/28/2019 14:50*	WG1353892
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/28/2019 14:50*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.7		1	09/27/2019 13:49	WG1352841

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.02	J	1.01	2.99	25	09/28/2019 23:57	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*09/28/2019 23:57*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0578		0.0164	0.0299	1	09/28/2019 15:10	WG1353892
Acrylonitrile	U	J0	0.00227	0.0149	1	09/28/2019 15:10	WG1353892
Benzene	0.000521	J	0.000478	0.00120	1	09/28/2019 15:10	WG1353892
Bromobenzene	U		0.00125	0.0149	1	09/28/2019 15:10	WG1353892
Bromodichloromethane	U		0.000942	0.00299	1	09/28/2019 15:10	WG1353892
Bromochloromethane	U		0.00135	0.00598	1	09/28/2019 15:10	WG1353892
Bromoform	U		0.00715	0.0299	1	09/28/2019 15:10	WG1353892
Bromomethane	U		0.00442	0.0149	1	09/28/2019 15:10	WG1353892
n-Butylbenzene	U		0.00459	0.0149	1	09/28/2019 15:10	WG1353892
sec-Butylbenzene	U		0.00302	0.0149	1	09/28/2019 15:10	WG1353892
tert-Butylbenzene	U		0.00185	0.00598	1	09/28/2019 15:10	WG1353892
Carbon disulfide	U		0.00485	0.0149	1	09/28/2019 15:10	WG1353892
Carbon tetrachloride	U		0.00129	0.00598	1	09/28/2019 15:10	WG1353892
Chlorobenzene	U		0.000685	0.00299	1	09/28/2019 15:10	WG1353892
Chlorodibromomethane	U		0.000538	0.00299	1	09/28/2019 15:10	WG1353892
Chloroethane	U		0.00129	0.00598	1	09/28/2019 15:10	WG1353892
Chloroform	U		0.000496	0.00299	1	09/28/2019 15:10	WG1353892
Chloromethane	U		0.00166	0.0149	1	09/28/2019 15:10	WG1353892
2-Chlorotoluene	U		0.00110	0.00299	1	09/28/2019 15:10	WG1353892
4-Chlorotoluene	U		0.00135	0.00598	1	09/28/2019 15:10	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00609	0.0299	1	09/28/2019 15:10	WG1353892
1,2-Dibromoethane	U		0.000627	0.00299	1	09/28/2019 15:10	WG1353892
Dibromomethane	U		0.00120	0.00598	1	09/28/2019 15:10	WG1353892
1,2-Dichlorobenzene	U		0.00173	0.00598	1	09/28/2019 15:10	WG1353892
1,3-Dichlorobenzene	U		0.00203	0.00598	1	09/28/2019 15:10	WG1353892
1,4-Dichlorobenzene	U		0.00235	0.00598	1	09/28/2019 15:10	WG1353892
Dichlorodifluoromethane	U		0.000978	0.00299	1	09/28/2019 15:10	WG1353892
1,1-Dichloroethane	U		0.000687	0.00299	1	09/28/2019 15:10	WG1353892
1,2-Dichloroethane	U		0.000568	0.00299	1	09/28/2019 15:10	WG1353892
1,1-Dichloroethene	U		0.000598	0.00299	1	09/28/2019 15:10	WG1353892
cis-1,2-Dichloroethene	U		0.000825	0.00299	1	09/28/2019 15:10	WG1353892
trans-1,2-Dichloroethene	U		0.00171	0.00598	1	09/28/2019 15:10	WG1353892
1,2-Dichloropropane	U		0.00152	0.00598	1	09/28/2019 15:10	WG1353892
1,1-Dichloropropene	U		0.000837	0.00299	1	09/28/2019 15:10	WG1353892
1,3-Dichloropropane	U		0.00209	0.00598	1	09/28/2019 15:10	WG1353892
cis-1,3-Dichloropropene	U		0.000810	0.00299	1	09/28/2019 15:10	WG1353892
trans-1,3-Dichloropropene	U		0.00183	0.00598	1	09/28/2019 15:10	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00167	0.00598	1	09/28/2019 15:10	WG1353892
2,2-Dichloropropane	U		0.000948	0.00299	1	09/28/2019 15:10	WG1353892
Di-isopropyl ether	U		0.000418	0.00120	1	09/28/2019 15:10	WG1353892
Ethylbenzene	U		0.000633	0.00299	1	09/28/2019 15:10	WG1353892
Hexachloro-1,3-butadiene	U		0.0152	0.0299	1	09/28/2019 15:10	WG1353892
2-Hexanone	U		0.0120	0.0299	1	09/28/2019 15:10	WG1353892
n-Hexane	0.0123		0.00127	0.00598	1	09/28/2019 15:10	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00723	0.0149	1	09/28/2019 15:10	WG1353892
Isopropylbenzene	U		0.00103	0.00299	1	09/28/2019 15:10	WG1353892
p-Isopropyltoluene	U		0.00278	0.00598	1	09/28/2019 15:10	WG1353892
2-Butanone (MEK)	U		0.0149	0.0299	1	09/28/2019 15:10	WG1353892
Methylene Chloride	0.0131	B J	0.00793	0.0299	1	09/28/2019 15:10	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.0299	1	09/28/2019 15:10	WG1353892
Methyl tert-butyl ether	U		0.000353	0.00120	1	09/28/2019 15:10	WG1353892
Naphthalene	U		0.00373	0.0149	1	09/28/2019 15:10	WG1353892
n-Propylbenzene	U		0.00141	0.00598	1	09/28/2019 15:10	WG1353892
Styrene	U		0.00326	0.0149	1	09/28/2019 15:10	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000598	0.00299	1	09/28/2019 15:10	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000466	0.00299	1	09/28/2019 15:10	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000807	0.00299	1	09/28/2019 15:10	WG1353892
Tetrachloroethene	U		0.000837	0.00299	1	09/28/2019 15:10	WG1353892
Toluene	0.00903		0.00149	0.00598	1	09/28/2019 15:10	WG1353892
1,2,3-Trichlorobenzene	U		0.000747	0.00299	1	09/28/2019 15:10	WG1353892
1,2,4-Trichlorobenzene	U		0.00576	0.0149	1	09/28/2019 15:10	WG1353892
1,1,1-Trichloroethane	U		0.000329	0.00299	1	09/28/2019 15:10	WG1353892
1,1,2-Trichloroethane	U		0.00106	0.00299	1	09/28/2019 15:10	WG1353892
Trichloroethene	U		0.000478	0.00120	1	09/28/2019 15:10	WG1353892
Trichlorofluoromethane	U		0.000598	0.00299	1	09/28/2019 15:10	WG1353892
1,2,3-Trichloropropane	U		0.00609	0.0149	1	09/28/2019 15:10	WG1353892
1,2,4-Trimethylbenzene	U		0.00139	0.00598	1	09/28/2019 15:10	WG1353892
1,2,3-Trimethylbenzene	U		0.00137	0.00598	1	09/28/2019 15:10	WG1353892
1,3,5-Trimethylbenzene	U		0.00129	0.00598	1	09/28/2019 15:10	WG1353892
Vinyl acetate	U		0.00421	0.0149	1	09/28/2019 15:10	WG1353892
Vinyl chloride	U		0.000816	0.00299	1	09/28/2019 15:10	WG1353892
Xylenes, Total	U		0.00571	0.00777	1	09/28/2019 15:10	WG1353892
(S) Toluene-d8	*111*			*75.0-131*		*09/28/2019 15:10*	WG1353892
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/28/2019 15:10*	WG1353892
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/28/2019 15:10*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	09/27/2019 13:49	WG1352841

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.18	J	0.917	2.70	25	09/29/2019 00:18	WG1354050
(S) a,a,a-Trifluorotoluene(FID)	*97.3*			*77.0-120*		*09/29/2019 00:18*	WG1354050

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0356		0.0148	0.0270	1	09/28/2019 15:30	WG1353892
Acrylonitrile	U	J0	0.00205	0.0135	1	09/28/2019 15:30	WG1353892
Benzene	U		0.000432	0.00108	1	09/28/2019 15:30	WG1353892
Bromobenzene	U		0.00113	0.0135	1	09/28/2019 15:30	WG1353892
Bromodichloromethane	U		0.000852	0.00270	1	09/28/2019 15:30	WG1353892
Bromochloromethane	U		0.00122	0.00540	1	09/28/2019 15:30	WG1353892
Bromoform	U		0.00646	0.0270	1	09/28/2019 15:30	WG1353892
Bromomethane	U		0.00400	0.0135	1	09/28/2019 15:30	WG1353892
n-Butylbenzene	U		0.00415	0.0135	1	09/28/2019 15:30	WG1353892
sec-Butylbenzene	U		0.00273	0.0135	1	09/28/2019 15:30	WG1353892
tert-Butylbenzene	U		0.00168	0.00540	1	09/28/2019 15:30	WG1353892
Carbon disulfide	U		0.00439	0.0135	1	09/28/2019 15:30	WG1353892
Carbon tetrachloride	U		0.00117	0.00540	1	09/28/2019 15:30	WG1353892
Chlorobenzene	U		0.000619	0.00270	1	09/28/2019 15:30	WG1353892
Chlorodibromomethane	U		0.000486	0.00270	1	09/28/2019 15:30	WG1353892
Chloroethane	U		0.00117	0.00540	1	09/28/2019 15:30	WG1353892
Chloroform	U		0.000449	0.00270	1	09/28/2019 15:30	WG1353892
Chloromethane	U		0.00150	0.0135	1	09/28/2019 15:30	WG1353892
2-Chlorotoluene	U		0.000994	0.00270	1	09/28/2019 15:30	WG1353892
4-Chlorotoluene	U		0.00122	0.00540	1	09/28/2019 15:30	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00551	0.0270	1	09/28/2019 15:30	WG1353892
1,2-Dibromoethane	U		0.000567	0.00270	1	09/28/2019 15:30	WG1353892
Dibromomethane	U		0.00108	0.00540	1	09/28/2019 15:30	WG1353892
1,2-Dichlorobenzene	U		0.00157	0.00540	1	09/28/2019 15:30	WG1353892
1,3-Dichlorobenzene	U		0.00184	0.00540	1	09/28/2019 15:30	WG1353892
1,4-Dichlorobenzene	U		0.00213	0.00540	1	09/28/2019 15:30	WG1353892
Dichlorodifluoromethane	U		0.000884	0.00270	1	09/28/2019 15:30	WG1353892
1,1-Dichloroethane	U		0.000622	0.00270	1	09/28/2019 15:30	WG1353892
1,2-Dichloroethane	U		0.000513	0.00270	1	09/28/2019 15:30	WG1353892
1,1-Dichloroethene	U		0.000540	0.00270	1	09/28/2019 15:30	WG1353892
cis-1,2-Dichloroethene	0.0214		0.000746	0.00270	1	09/28/2019 15:30	WG1353892
trans-1,2-Dichloroethene	U		0.00155	0.00540	1	09/28/2019 15:30	WG1353892
1,2-Dichloropropane	U		0.00137	0.00540	1	09/28/2019 15:30	WG1353892
1,1-Dichloropropene	U		0.000757	0.00270	1	09/28/2019 15:30	WG1353892
1,3-Dichloropropane	U		0.00189	0.00540	1	09/28/2019 15:30	WG1353892
cis-1,3-Dichloropropene	U		0.000733	0.00270	1	09/28/2019 15:30	WG1353892
trans-1,3-Dichloropropene	U		0.00165	0.00540	1	09/28/2019 15:30	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00151	0.00540	1	09/28/2019 15:30	WG1353892
2,2-Dichloropropane	U		0.000857	0.00270	1	09/28/2019 15:30	WG1353892
Di-isopropyl ether	U		0.000378	0.00108	1	09/28/2019 15:30	WG1353892
Ethylbenzene	U		0.000573	0.00270	1	09/28/2019 15:30	WG1353892
Hexachloro-1,3-butadiene	U		0.0137	0.0270	1	09/28/2019 15:30	WG1353892
2-Hexanone	U		0.0108	0.0270	1	09/28/2019 15:30	WG1353892
n-Hexane	0.0131		0.00115	0.00540	1	09/28/2019 15:30	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00654	0.0135	1	09/28/2019 15:30	WG1353892
Isopropylbenzene	U		0.000933	0.00270	1	09/28/2019 15:30	WG1353892
p-Isopropyltoluene	U		0.00252	0.00540	1	09/28/2019 15:30	WG1353892
2-Butanone (MEK)	U		0.0135	0.0270	1	09/28/2019 15:30	WG1353892
Methylene Chloride	0.0108	B J	0.00718	0.0270	1	09/28/2019 15:30	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0108	0.0270	1	09/28/2019 15:30	WG1353892
Methyl tert-butyl ether	U		0.000319	0.00108	1	09/28/2019 15:30	WG1353892
Naphthalene	U		0.00337	0.0135	1	09/28/2019 15:30	WG1353892
n-Propylbenzene	U		0.00128	0.00540	1	09/28/2019 15:30	WG1353892
Styrene	U		0.00295	0.0135	1	09/28/2019 15:30	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000540	0.00270	1	09/28/2019 15:30	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000422	0.00270	1	09/28/2019 15:30	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000730	0.00270	1	09/28/2019 15:30	WG1353892
Tetrachloroethene	0.00950		0.000757	0.00270	1	09/28/2019 15:30	WG1353892
Toluene	0.0129		0.00135	0.00540	1	09/28/2019 15:30	WG1353892
1,2,3-Trichlorobenzene	U		0.000676	0.00270	1	09/28/2019 15:30	WG1353892
1,2,4-Trichlorobenzene	U		0.00521	0.0135	1	09/28/2019 15:30	WG1353892
1,1,1-Trichloroethane	U		0.000297	0.00270	1	09/28/2019 15:30	WG1353892
1,1,2-Trichloroethane	U		0.000954	0.00270	1	09/28/2019 15:30	WG1353892
Trichloroethene	U		0.000432	0.00108	1	09/28/2019 15:30	WG1353892
Trichlorofluoromethane	U		0.000540	0.00270	1	09/28/2019 15:30	WG1353892
1,2,3-Trichloropropane	U		0.00551	0.0135	1	09/28/2019 15:30	WG1353892
1,2,4-Trimethylbenzene	U		0.00125	0.00540	1	09/28/2019 15:30	WG1353892
1,2,3-Trimethylbenzene	U		0.00124	0.00540	1	09/28/2019 15:30	WG1353892
1,3,5-Trimethylbenzene	U		0.00117	0.00540	1	09/28/2019 15:30	WG1353892
Vinyl acetate	U		0.00380	0.0135	1	09/28/2019 15:30	WG1353892
Vinyl chloride	0.0138		0.000738	0.00270	1	09/28/2019 15:30	WG1353892
Xylenes, Total	U		0.00517	0.00703	1	09/28/2019 15:30	WG1353892
(S) Toluene-d8	*112*			*75.0-131*		*09/28/2019 15:30*	WG1353892
(S) 4-Bromofluorobenzene	*99.0*			*67.0-138*		*09/28/2019 15:30*	WG1353892
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/28/2019 15:30*	WG1353892

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	09/28/2019 20:59	WG1353837
Acrylonitrile	U		0.873	5.00	1	09/28/2019 20:59	WG1353837
Benzene	U		0.0896	0.500	1	09/28/2019 20:59	WG1353837
Bromobenzene	U		0.133	0.500	1	09/28/2019 20:59	WG1353837
Bromodichloromethane	U		0.0800	0.500	1	09/28/2019 20:59	WG1353837
Bromochloromethane	U		0.145	0.500	1	09/28/2019 20:59	WG1353837
Bromoform	U		0.186	0.500	1	09/28/2019 20:59	WG1353837
Bromomethane	U		0.157	2.50	1	09/28/2019 20:59	WG1353837
n-Butylbenzene	U		0.143	0.500	1	09/28/2019 20:59	WG1353837
sec-Butylbenzene	U		0.134	0.500	1	09/28/2019 20:59	WG1353837
tert-Butylbenzene	U		0.183	0.500	1	09/28/2019 20:59	WG1353837
Carbon disulfide	U		0.101	0.500	1	09/28/2019 20:59	WG1353837
Carbon tetrachloride	U		0.159	0.500	1	09/28/2019 20:59	WG1353837
Chlorobenzene	U		0.140	0.500	1	09/28/2019 20:59	WG1353837
Chlorodibromomethane	U		0.128	0.500	1	09/28/2019 20:59	WG1353837
Chloroethane	U		0.141	2.50	1	09/28/2019 20:59	WG1353837
Chloroform	U		0.0860	0.500	1	09/28/2019 20:59	WG1353837
Chloromethane	U		0.153	1.25	1	09/28/2019 20:59	WG1353837
2-Chlorotoluene	U		0.111	0.500	1	09/28/2019 20:59	WG1353837
4-Chlorotoluene	U		0.0972	0.500	1	09/28/2019 20:59	WG1353837
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/28/2019 20:59	WG1353837
1,2-Dibromoethane	U		0.193	0.500	1	09/28/2019 20:59	WG1353837
Dibromomethane	U		0.117	0.500	1	09/28/2019 20:59	WG1353837
1,2-Dichlorobenzene	U		0.101	0.500	1	09/28/2019 20:59	WG1353837
1,3-Dichlorobenzene	U		0.130	0.500	1	09/28/2019 20:59	WG1353837
1,4-Dichlorobenzene	U		0.121	0.500	1	09/28/2019 20:59	WG1353837
Dichlorodifluoromethane	U		0.127	2.50	1	09/28/2019 20:59	WG1353837
1,1-Dichloroethane	U		0.114	0.500	1	09/28/2019 20:59	WG1353837
1,2-Dichloroethane	U		0.108	0.500	1	09/28/2019 20:59	WG1353837
1,1-Dichloroethene	U		0.188	0.500	1	09/28/2019 20:59	WG1353837
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/28/2019 20:59	WG1353837
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/28/2019 20:59	WG1353837
1,2-Dichloropropane	U		0.190	0.500	1	09/28/2019 20:59	WG1353837
1,1-Dichloropropene	U		0.128	0.500	1	09/28/2019 20:59	WG1353837
1,3-Dichloropropane	U		0.147	1.00	1	09/28/2019 20:59	WG1353837
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/28/2019 20:59	WG1353837
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/28/2019 20:59	WG1353837
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	10/01/2019 13:01	WG1354826
2,2-Dichloropropane	U		0.0929	0.500	1	09/28/2019 20:59	WG1353837
Di-isopropyl ether	U		0.0924	0.500	1	09/28/2019 20:59	WG1353837
Ethylbenzene	U		0.158	0.500	1	09/28/2019 20:59	WG1353837
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/28/2019 20:59	WG1353837
2-Hexanone	U		0.757	5.00	1	09/28/2019 20:59	WG1353837
n-Hexane	U		0.305	5.00	1	09/28/2019 20:59	WG1353837
Iodomethane	U		0.377	10.0	1	09/28/2019 20:59	WG1353837
Isopropylbenzene	U		0.126	0.500	1	09/28/2019 20:59	WG1353837
p-Isopropyltoluene	U		0.138	0.500	1	09/28/2019 20:59	WG1353837
2-Butanone (MEK)	U		1.28	5.00	1	09/28/2019 20:59	WG1353837
Methylene Chloride	U		1.07	2.50	1	09/28/2019 20:59	WG1353837
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/28/2019 20:59	WG1353837
Methyl tert-butyl ether	U		0.102	0.500	1	09/28/2019 20:59	WG1353837
Naphthalene	U		0.174	2.50	1	09/28/2019 20:59	WG1353837
n-Propylbenzene	U		0.162	0.500	1	09/28/2019 20:59	WG1353837
Styrene	U		0.117	0.500	1	09/28/2019 20:59	WG1353837
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/28/2019 20:59	WG1353837
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/28/2019 20:59	WG1353837

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/28/2019 20:59	WG1353837
Tetrachloroethene	U		0.199	0.500	1	09/28/2019 20:59	WG1353837
Toluene	U		0.412	0.500	1	09/28/2019 20:59	WG1353837
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/28/2019 20:59	WG1353837
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/28/2019 20:59	WG1353837
1,1,1-Trichloroethane	0.372	B J	0.0940	0.500	1	09/28/2019 20:59	WG1353837
1,1,2-Trichloroethane	U		0.186	0.500	1	09/28/2019 20:59	WG1353837
Trichloroethene	U		0.153	0.500	1	09/28/2019 20:59	WG1353837
Trichlorofluoromethane	U		0.130	2.50	1	09/28/2019 20:59	WG1353837
1,2,3-Trichloropropane	U		0.247	2.50	1	09/28/2019 20:59	WG1353837
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/28/2019 20:59	WG1353837
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/28/2019 20:59	WG1353837
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/28/2019 20:59	WG1353837
Vinyl acetate	U		0.645	5.00	1	09/28/2019 20:59	WG1353837
Vinyl chloride	U		0.118	0.500	1	09/28/2019 20:59	WG1353837
Xylenes, Total	U		0.316	1.50	1	09/28/2019 20:59	WG1353837
(S) Toluene-d8	*98.8*			*80.0-120*		*09/28/2019 20:59*	WG1353837
(S) Toluene-d8	*101*			*80.0-120*		*10/01/2019 13:01*	WG1354826
(S) 4-Bromofluorobenzene	*95.8*			*77.0-126*		*09/28/2019 20:59*	WG1353837
(S) 4-Bromofluorobenzene	*98.6*			*77.0-126*		*10/01/2019 13:01*	WG1354826
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*		*09/28/2019 20:59*	WG1353837
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*10/01/2019 13:01*	WG1354826

Method Blank (MB)

(MB) R3455846-1 09/27/19 10:50

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

L1141868-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1141868-01 09/27/19 10:50 • (DUP) R3455846-3 09/27/19 10:50

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.7	84.7	1	2.38		10

Laboratory Control Sample (LCS)

(LCS) R3455846-2 09/27/19 10:50

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) R3455499-1 09/27/19 16:03

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

L1141868-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1141868-08 09/27/19 16:03 • (DUP) R3455499-3 09/27/19 16:03

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.1	90.8	1	1.90		10

Laboratory Control Sample (LCS)

(LCS) R3455499-2 09/27/19 16:03

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) R3455864-1 09/27/19 13:49

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

L1141869-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1141869-08 09/27/19 13:49 • (DUP) R3455864-3 09/27/19 13:49

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.2	82.9	1	1.57		10

Laboratory Control Sample (LCS)

(LCS) R3455864-2 09/27/19 13:49

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	49.9	99.9	85.0-115	

Method Blank (MB)

(MB) R3456075-2 09/28/19 16:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3456075-1 09/28/19 15:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	6.30	115	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*112*	*77.0-120*	

L1142475-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1142475-01 09/28/19 18:08 • (MS) R3456075-3 09/29/19 00:38 • (MSD) R3456075-4 09/29/19 00:59

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 %
Gasoline Range Organics-NWTPH	6.86	3360	5490	5110	61.9	51.0	500	10.0-149	E	E	7.06	27
(S) a,a,a-Trifluorotoluene(FID)					*114*	*112*		*77.0-120*				

Method Blank (MB)

(MB) R3456065-3 09/28/19 20:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500

Method Blank (MB)

(MB) R3456065-3 09/28/19 20:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	0.395	J	0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*100*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*

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

(LCS) R3456065-1 09/28/19 19:14 • (LCSD) R3456065-2 09/28/19 19:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	120	139	96.2	111	19.0-160			14.2	27
Acrylonitrile	125	117	117	93.3	93.5	55.0-149			0.161	20
Benzene	25.0	25.8	26.3	103	105	70.0-123			1.82	20
Bromobenzene	25.0	25.7	26.6	103	107	73.0-121			3.68	20
Bromodichloromethane	25.0	27.2	28.0	109	112	75.0-120			2.89	20
Bromochloromethane	25.0	25.2	26.0	101	104	76.0-122			3.36	20
Bromoform	25.0	25.2	25.8	101	103	68.0-132			2.39	20
Bromomethane	25.0	23.0	22.7	92.1	90.8	10.0-160			1.44	25
n-Butylbenzene	25.0	27.3	27.9	109	111	73.0-125			1.93	20
sec-Butylbenzene	25.0	29.4	29.7	117	119	75.0-125			1.08	20
tert-Butylbenzene	25.0	24.6	25.3	98.5	101	76.0-124			2.84	20
Carbon disulfide	25.0	25.5	25.9	102	104	61.0-128			1.81	20
Carbon tetrachloride	25.0	23.2	23.6	92.8	94.3	68.0-126			1.60	20
Chlorobenzene	25.0	27.9	26.3	112	105	80.0-121			6.05	20
Chlorodibromomethane	25.0	26.4	26.1	106	104	77.0-125			1.26	20
Chloroethane	25.0	22.2	22.2	88.9	88.8	47.0-150			0.114	20
Chloroform	25.0	24.3	24.6	97.0	98.2	73.0-120			1.23	20
Chloromethane	25.0	22.6	22.8	90.5	91.1	41.0-142			0.643	20
2-Chlorotoluene	25.0	26.7	27.5	107	110	76.0-123			2.94	20
4-Chlorotoluene	25.0	27.1	28.1	108	113	75.0-122			3.84	20
1,2-Dibromo-3-Chloropropane	25.0	26.2	27.5	105	110	58.0-134			4.78	20
1,2-Dibromoethane	25.0	26.0	25.6	104	102	80.0-122			1.73	20
Dibromomethane	25.0	26.1	26.4	105	106	80.0-120			1.04	20
1,2-Dichlorobenzene	25.0	26.4	27.1	106	109	79.0-121			2.72	20
1,3-Dichlorobenzene	25.0	25.4	26.6	102	106	79.0-120			4.31	20
1,4-Dichlorobenzene	25.0	26.0	26.8	104	107	79.0-120			2.94	20
Dichlorodifluoromethane	25.0	24.0	23.9	96.1	95.6	51.0-149			0.448	20
1,1-Dichloroethane	25.0	24.3	24.6	97.1	98.3	70.0-126			1.27	20
1,2-Dichloroethane	25.0	26.0	26.4	104	106	70.0-128			1.75	20
1,1-Dichloroethene	25.0	25.6	25.6	102	102	71.0-124			0.119	20
cis-1,2-Dichloroethene	25.0	24.9	24.8	99.6	99.0	73.0-120			0.619	20
trans-1,2-Dichloroethene	25.0	24.8	24.9	99.3	99.6	73.0-120			0.336	20
1,2-Dichloropropane	25.0	27.3	27.9	109	112	77.0-125			2.27	20
1,1-Dichloropropene	25.0	26.4	25.9	106	104	74.0-126			1.99	20
1,3-Dichloropropane	25.0	27.2	26.2	109	105	80.0-120			3.84	20
cis-1,3-Dichloropropene	25.0	27.1	28.0	108	112	80.0-123			3.36	20
trans-1,3-Dichloropropene	25.0	28.6	27.7	114	111	78.0-124			3.12	20
2,2-Dichloropropane	25.0	22.1	22.9	88.6	91.6	58.0-130			3.36	20
Di-isopropyl ether	25.0	24.7	25.3	98.9	101	58.0-138			2.52	20
Ethylbenzene	25.0	27.5	26.2	110	105	79.0-123			4.84	20

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

(LCS) R3456065-1 09/28/19 19:14 • (LCSD) R3456065-2 09/28/19 19:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	25.0	25.1	26.8	101	107	54.0-138			6.26	20
2-Hexanone	125	128	130	103	104	67.0-149			1.22	20
n-Hexane	25.0	25.3	26.0	101	104	57.0-133			2.65	20
Iodomethane	125	120	121	95.8	96.5	33.0-147			0.736	26
Isopropylbenzene	25.0	28.5	26.4	114	106	76.0-127			7.62	20
p-Isopropyltoluene	25.0	28.5	28.5	114	114	76.0-125			0.0960	20
2-Butanone (MEK)	125	128	138	102	110	44.0-160			7.90	20
Methylene Chloride	25.0	23.4	23.4	93.5	93.6	67.0-120			0.123	20
4-Methyl-2-pentanone (MIBK)	125	133	130	106	104	68.0-142			2.07	20
Methyl tert-butyl ether	25.0	22.7	22.9	90.9	91.5	68.0-125			0.690	20
Naphthalene	25.0	28.1	29.7	112	119	54.0-135			5.63	20
n-Propylbenzene	25.0	27.1	27.7	109	111	77.0-124			2.04	20
Styrene	25.0	27.0	26.3	108	105	73.0-130			2.56	20
1,1,1,2-Tetrachloroethane	25.0	26.3	25.8	105	103	75.0-125			1.75	20
1,1,2,2-Tetrachloroethane	25.0	27.3	28.8	109	115	65.0-130			5.31	20
1,1,2-Trichlorotrifluoroethane	25.0	25.0	24.7	100	98.7	69.0-132			1.44	20
Tetrachloroethene	25.0	27.3	26.0	109	104	72.0-132			4.90	20
Toluene	25.0	26.2	25.6	105	102	79.0-120			2.40	20
1,2,3-Trichlorobenzene	25.0	29.2	29.6	117	118	50.0-138			1.30	20
1,2,4-Trichlorobenzene	25.0	27.6	28.0	110	112	57.0-137			1.48	20
1,1,1-Trichloroethane	25.0	25.9	25.5	103	102	73.0-124			1.63	20
1,1,2-Trichloroethane	25.0	27.6	25.9	110	104	80.0-120			6.26	20
Trichloroethene	25.0	25.0	25.2	100	101	78.0-124			0.663	20
Trichlorofluoromethane	25.0	24.0	23.0	95.8	92.0	59.0-147			4.09	20
1,2,3-Trichloropropane	25.0	25.6	26.4	102	106	73.0-130			3.20	20
1,2,4-Trimethylbenzene	25.0	27.9	28.6	112	114	76.0-121			2.35	20
1,2,3-Trimethylbenzene	25.0	28.9	29.3	116	117	77.0-120			1.50	20
1,3,5-Trimethylbenzene	25.0	28.4	29.6	114	118	76.0-122			4.17	20
Vinyl acetate	125	130	134	104	107	11.0-160			2.90	20
Vinyl chloride	25.0	23.8	23.8	95.4	95.1	67.0-131			0.216	20
Xylenes, Total	75.0	79.4	75.7	106	101	79.0-123			4.77	20
(S) Toluene-d8				*100*	*99.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*90.3*	*90.2*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*104*	*110*	*70.0-130*				

Method Blank (MB)

(MB) R3456621-2 10/01/19 10:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
trans-1,4-Dichloro-2-butene	U		0.257	5.00
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3456621-1 10/01/19 09:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,4-Dichloro-2-butene	25.0	20.8	83.1	33.0-144	
(S) Toluene-d8			*100*	*80.0-120*	
(S) 4-Bromofluorobenzene			*105*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*105*	*70.0-130*	

Method Blank (MB)

(MB) R3455692-2 09/28/19 11:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	0.0171	J	0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	0.00149	J	0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	0.00190	J	0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3455692-2 09/28/19 11:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	0.0177	J	0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*108*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*94.7*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3455692-1 09/28/19 10:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.529	84.7	10.0-160	
Acrylonitrile	0.625	0.582	93.1	45.0-153	
Benzene	0.125	0.120	96.4	70.0-123	
Bromobenzene	0.125	0.111	88.9	73.0-121	
Bromodichloromethane	0.125	0.111	88.4	73.0-121	
Bromochloromethane	0.125	0.116	92.7	77.0-128	
Bromoform	0.125	0.110	88.2	64.0-132	
Bromomethane	0.125	0.134	107	56.0-147	
n-Butylbenzene	0.125	0.122	97.4	68.0-135	
sec-Butylbenzene	0.125	0.126	101	74.0-130	
tert-Butylbenzene	0.125	0.126	101	75.0-127	
Carbon disulfide	0.125	0.120	95.9	56.0-133	
Carbon tetrachloride	0.125	0.120	95.6	66.0-128	
Chlorobenzene	0.125	0.118	94.5	76.0-128	
Chlorodibromomethane	0.125	0.114	91.0	74.0-127	
Chloroethane	0.125	0.132	105	61.0-134	
Chloroform	0.125	0.115	91.9	72.0-123	
Chloromethane	0.125	0.123	98.4	51.0-138	
2-Chlorotoluene	0.125	0.121	96.7	75.0-124	
4-Chlorotoluene	0.125	0.112	89.6	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.0962	77.0	59.0-130	
1,2-Dibromoethane	0.125	0.123	98.4	74.0-128	
Dibromomethane	0.125	0.116	93.2	75.0-122	
1,2-Dichlorobenzene	0.125	0.127	101	76.0-124	
1,3-Dichlorobenzene	0.125	0.124	99.0	76.0-125	
1,4-Dichlorobenzene	0.125	0.119	94.8	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.109	87.4	45.0-143	
Dichlorodifluoromethane	0.125	0.127	102	43.0-156	
1,1-Dichloroethane	0.125	0.115	92.1	70.0-127	
1,2-Dichloroethane	0.125	0.108	86.2	65.0-131	
1,1-Dichloroethene	0.125	0.123	98.2	65.0-131	
cis-1,2-Dichloroethene	0.125	0.119	94.8	73.0-125	
trans-1,2-Dichloroethene	0.125	0.126	101	71.0-125	
1,2-Dichloropropane	0.125	0.122	97.9	74.0-125	
1,1-Dichloropropene	0.125	0.119	95.6	73.0-125	
1,3-Dichloropropane	0.125	0.121	96.7	80.0-125	
cis-1,3-Dichloropropene	0.125	0.123	98.4	76.0-127	
trans-1,3-Dichloropropene	0.125	0.122	97.6	73.0-127	
2,2-Dichloropropane	0.125	0.122	97.7	59.0-135	
Di-isopropyl ether	0.125	0.116	92.8	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3455692-1 09/28/19 10:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.122	97.3	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.128	102	57.0-150	
2-Hexanone	0.625	0.608	97.2	54.0-147	
n-Hexane	0.125	0.129	103	55.0-137	
Iodomethane	0.625	0.628	100	74.0-134	
Isopropylbenzene	0.125	0.124	99.3	72.0-127	
p-Isopropyltoluene	0.125	0.129	103	72.0-133	
2-Butanone (MEK)	0.625	0.569	91.0	30.0-160	
Methylene Chloride	0.125	0.124	99.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.582	93.2	56.0-143	
Methyl tert-butyl ether	0.125	0.120	95.9	66.0-132	
Naphthalene	0.125	0.105	83.8	59.0-130	
n-Propylbenzene	0.125	0.120	95.8	74.0-126	
Styrene	0.125	0.116	93.1	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.121	97.2	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.112	89.3	68.0-128	
Tetrachloroethene	0.125	0.129	103	70.0-136	
Toluene	0.125	0.116	92.4	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.122	97.8	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.113	90.4	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.121	97.1	62.0-137	
1,1,1-Trichloroethane	0.125	0.113	90.2	69.0-126	
1,1,2-Trichloroethane	0.125	0.117	94.0	78.0-123	
Trichloroethene	0.125	0.131	105	76.0-126	
Trichlorofluoromethane	0.125	0.119	95.2	61.0-142	
1,2,3-Trichloropropane	0.125	0.122	97.5	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.117	93.8	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.117	94.0	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.123	98.7	73.0-127	
Vinyl acetate	0.625	0.595	95.2	43.0-159	
Vinyl chloride	0.125	0.120	96.2	63.0-134	
Xylenes, Total	0.375	0.365	97.3	72.0-127	
(S) Toluene-d8			*104*	*75.0-131*	
(S) 4-Bromofluorobenzene			*96.5*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*98.4*	*70.0-130*	

Method Blank (MB)

(MB) R3455592-2 09/28/19 10:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	U		0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3455592-2 09/28/19 10:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	0.00868	J	0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*112*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*98.0*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3455592-1 09/28/19 09:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.442	70.7	10.0-160	
Acrylonitrile	0.625	0.449	71.9	45.0-153	
Benzene	0.125	0.110	87.8	70.0-123	
Bromobenzene	0.125	0.117	93.2	73.0-121	
Bromodichloromethane	0.125	0.118	94.6	73.0-121	
Bromochloromethane	0.125	0.134	107	77.0-128	
Bromoform	0.125	0.127	102	64.0-132	
Bromomethane	0.125	0.119	95.4	56.0-147	
n-Butylbenzene	0.125	0.113	90.1	68.0-135	
sec-Butylbenzene	0.125	0.129	103	74.0-130	
tert-Butylbenzene	0.125	0.122	97.3	75.0-127	
Carbon disulfide	0.125	0.104	83.0	56.0-133	
Carbon tetrachloride	0.125	0.121	96.9	66.0-128	
Chlorobenzene	0.125	0.114	91.2	76.0-128	
Chlorodibromomethane	0.125	0.140	112	74.0-127	
Chloroethane	0.125	0.114	90.9	61.0-134	
Chloroform	0.125	0.100	80.4	72.0-123	
Chloromethane	0.125	0.113	90.1	51.0-138	
2-Chlorotoluene	0.125	0.114	91.1	75.0-124	
4-Chlorotoluene	0.125	0.121	96.9	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.104	83.6	59.0-130	
1,2-Dibromoethane	0.125	0.125	99.9	74.0-128	
Dibromomethane	0.125	0.107	85.4	75.0-122	
1,2-Dichlorobenzene	0.125	0.118	94.0	76.0-124	
1,3-Dichlorobenzene	0.125	0.127	101	76.0-125	
1,4-Dichlorobenzene	0.125	0.115	91.6	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.135	108	45.0-143	
Dichlorodifluoromethane	0.125	0.119	95.1	43.0-156	
1,1-Dichloroethane	0.125	0.121	96.6	70.0-127	
1,2-Dichloroethane	0.125	0.122	97.3	65.0-131	
1,1-Dichloroethene	0.125	0.120	95.8	65.0-131	
cis-1,2-Dichloroethene	0.125	0.106	84.5	73.0-125	
trans-1,2-Dichloroethene	0.125	0.122	97.5	71.0-125	
1,2-Dichloropropane	0.125	0.108	86.3	74.0-125	
1,1-Dichloropropene	0.125	0.119	95.3	73.0-125	
1,3-Dichloropropane	0.125	0.121	97.2	80.0-125	
cis-1,3-Dichloropropene	0.125	0.106	84.8	76.0-127	
trans-1,3-Dichloropropene	0.125	0.126	101	73.0-127	
2,2-Dichloropropane	0.125	0.126	101	59.0-135	
Di-isopropyl ether	0.125	0.101	80.9	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3455592-1 09/28/19 09:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.128	102	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.123	98.2	57.0-150	
2-Hexanone	0.625	0.525	84.0	54.0-147	
n-Hexane	0.125	0.105	84.0	55.0-137	
Iodomethane	0.625	0.624	99.8	74.0-134	
Isopropylbenzene	0.125	0.113	90.7	72.0-127	
p-Isopropyltoluene	0.125	0.118	94.6	72.0-133	
2-Butanone (MEK)	0.625	0.491	78.6	30.0-160	
Methylene Chloride	0.125	0.119	95.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.543	86.9	56.0-143	
Methyl tert-butyl ether	0.125	0.123	98.2	66.0-132	
Naphthalene	0.125	0.111	88.9	59.0-130	
n-Propylbenzene	0.125	0.109	86.9	74.0-126	
Styrene	0.125	0.123	98.6	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.139	111	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0993	79.5	68.0-128	
Tetrachloroethene	0.125	0.141	113	70.0-136	
Toluene	0.125	0.117	93.4	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.0991	79.3	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.110	87.7	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.131	105	62.0-137	
1,1,1-Trichloroethane	0.125	0.125	99.6	69.0-126	
1,1,2-Trichloroethane	0.125	0.132	106	78.0-123	
Trichloroethene	0.125	0.113	90.5	76.0-126	
Trichlorofluoromethane	0.125	0.104	83.0	61.0-142	
1,2,3-Trichloropropane	0.125	0.110	87.6	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.123	98.2	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.119	95.0	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.117	93.6	73.0-127	
Vinyl acetate	0.625	0.611	97.7	43.0-159	
Vinyl chloride	0.125	0.123	98.2	63.0-134	
Xylenes, Total	0.375	0.370	98.7	72.0-127	
(S) Toluene-d8			*114*	*75.0-131*	
(S) 4-Bromofluorobenzene			*106*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*103*	*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.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.

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

State Accreditations

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

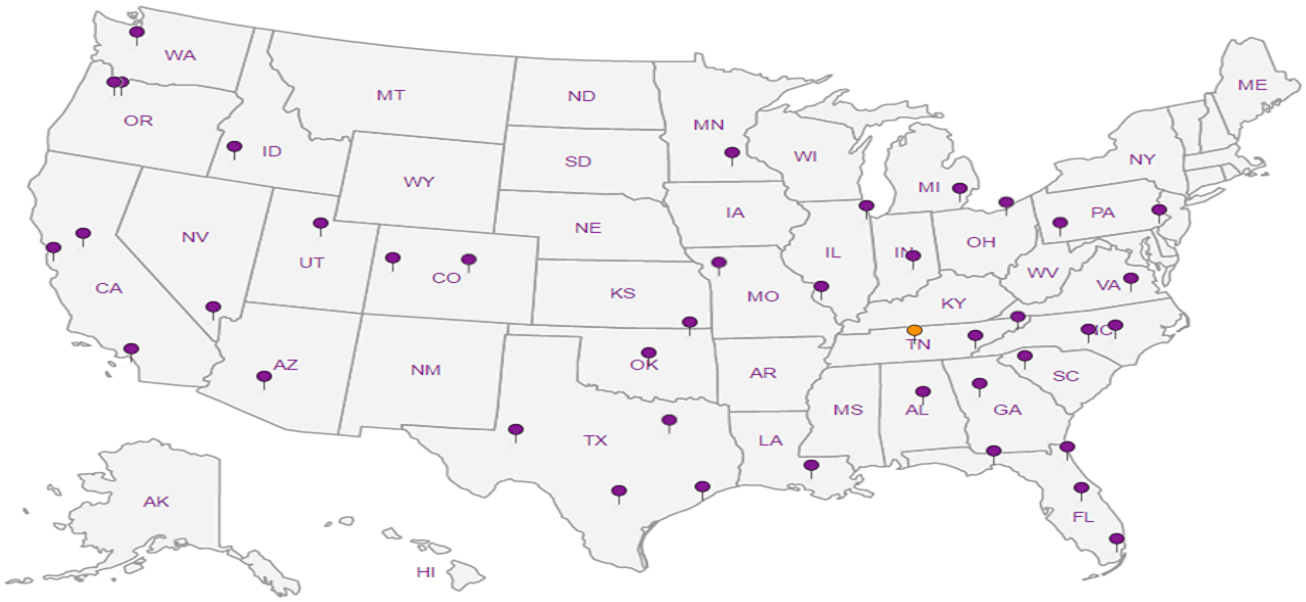
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: SEATTLE/WA

Please Circle: PT MT CT ET

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

Client Project # 1413.001.02.SO1B

Lab Project # PESENVSWA-ALP

Collected by (print): R.MCLAUGHLIN

Site/Facility ID #

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

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	NWTPH-GX								Remarks	Sample # (lab only)
MW-190-5	GRAB	SS	5	9/19/19	1118	2	X	X	X									-01
MW-190-10		SS	10		1120													02
MW-190-15		SS	15		1135													03
MW-190-20		SS	20		1130													04
MW-190-25		SS	25		1200													05
MW-190-30		SS	30		1202													06
MW-190-35		SS	35		1205													07
MW-190-40		SS	40		1207 ~~1305~~													08
MW-190-45		SS	45		1305 ~~1307~~													09
MW-190-50		SS	50	X	1307 ~~1310~~	2	X	X	X									10

RM 9/20/19

* 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 # 1145 2027 4233

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: X 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
R T McLaughlin	9-20-19	1200	PES	1
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	9-20-19	1240		5.7 +0.5 = 6.2 38
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			Hayley Lin	9/21/19 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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 # 114186

Tat H208

Acctnum: PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110 - Brian Ford

PB: 9/21/19 MW

Shipped Via: FedEx Ground

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:

City/State Collected: SEATTLE WA

Please Circle: PT MT CT ET

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

Client Project # 1413.001.02 SOIB

Lab Project # PESENVSWA-ALP

Collected by (print): R. 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

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	NWTPH-GX								Remarks	Sample # (lab only)
MW-190-55	GRAB	SS	55	9/19/19	1310	2	X	X	X									11
MW-190-60		SS	60		1312													12
MW-190-65		SS	65		1400													13
MW-190-70		SS	70		1405													14
MW-190-75		SS	75		1440													15
MW-190-80		SS	80		1442													16
MW-190-85		SS	85		1515													17
MW-190-87		SS	87		1518													18
MW-2008-60		SS	60		1045	2			X									19
TB-091919	X	SS	—	9/19/19	1600	1	X	X										20

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature) R T McLaughlin — Date: 9-20-19 — Time: 1200 — Received by: (Signature) PES

Relinquished by : (Signature) — Date: 9-20-19 — Time: 1240 — Received by: (Signature)

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature) Hayley Allen — Date: 9/21/19 — Time: 8:45

Trip Blank Received: Yes / No HCl / MeoH TBR

Temp: 5+0=5°C Bottles Received: 38

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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: X Y __N

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 # 11C1868

Table #

Acctnum: PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110 - Brian Ford

PB: 8/21/19 RM

Shipped Via: FedEx Ground

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

October 02, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1141869
Samples Received:	09/21/2019
Project Number:	14B.001.02.501B
Description:	

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

Entire Report Reviewed By:

Brian Ford
Project Manager

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

Cp: Cover Page 1
Tc: Table of Contents 2
Ss: Sample Summary 3
Cn: Case Narrative 6
Sr: Sample Results 7
MW-319-6 L1141869-01 7
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MW-319-15 L1141869-03 11
MW-319-20 L1141869-04 13
MW-319-30 L1141869-05 15
MW-319-35 L1141869-06 17
MW-319-40 L1141869-07 19
MW-319-45 L1141869-08 21
MW-319-50 L1141869-09 23
MW-319-55 L1141869-10 25
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MW-319-6 L1141869-01 Solid

Collected by: R McLaughlin | Collected date/time: 09/18/19 10:43 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352841	1	09/27/19 13:33	09/27/19 13:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/18/19 10:43	09/28/19 15:51	BMB	Mt. Juliet, TN

MW-319-10 L1141869-02 Solid

Collected by: R McLaughlin | Collected date/time: 09/18/19 10:46 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352841	1	09/27/19 13:33	09/27/19 13:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/18/19 10:46	09/28/19 16:12	BMB	Mt. Juliet, TN

MW-319-15 L1141869-03 Solid

Collected by: R McLaughlin | Collected date/time: 09/18/19 10:50 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352841	1	09/27/19 13:33	09/27/19 13:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/18/19 10:50	09/28/19 16:32	BMB	Mt. Juliet, TN

MW-319-20 L1141869-04 Solid

Collected by: R McLaughlin | Collected date/time: 09/18/19 10:52 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352841	1	09/27/19 13:33	09/27/19 13:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/18/19 10:52	09/28/19 16:53	BMB	Mt. Juliet, TN

MW-319-30 L1141869-05 Solid

Collected by: R McLaughlin | Collected date/time: 09/18/19 11:15 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352841	1	09/27/19 13:33	09/27/19 13:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/18/19 11:15	09/28/19 17:13	BMB	Mt. Juliet, TN

MW-319-35 L1141869-06 Solid

Collected by: R McLaughlin | Collected date/time: 09/18/19 11:35 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352841	1	09/27/19 13:33	09/27/19 13:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/18/19 11:35	09/28/19 17:33	BMB	Mt. Juliet, TN

MW-319-40 L1141869-07 Solid

Collected by: R McLaughlin | Collected date/time: 09/18/19 11:23 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352841	1	09/27/19 13:33	09/27/19 13:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/18/19 11:23	09/28/19 17:53	BMB	Mt. Juliet, TN

MW-319-45 L1141869-08 Solid

Collected by: R McLaughlin | Collected date/time: 09/18/19 12:00 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352841	1	09/27/19 13:33	09/27/19 13:49	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/18/19 12:00	09/28/19 18:14	BMB	Mt. Juliet, TN

MW-319-50 L1141869-09 Solid

Collected by: R McLaughlin | Collected date/time: 09/18/19 12:05 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352842	1	09/27/19 13:19	09/27/19 13:31	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/18/19 12:05	09/28/19 18:34	BMB	Mt. Juliet, TN

MW-319-55 L1141869-10 Solid

Collected by: R McLaughlin | Collected date/time: 09/18/19 12:30 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352842	1	09/27/19 13:19	09/27/19 13:31	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/18/19 12:30	09/28/19 18:54	BMB	Mt. Juliet, TN

MW-319-60 L1141869-11 Solid

Collected by: R McLaughlin | Collected date/time: 09/18/19 12:32 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352842	1	09/27/19 13:19	09/27/19 13:31	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/18/19 12:32	09/28/19 19:14	BMB	Mt. Juliet, TN

MW-319-65 L1141869-12 Solid

Collected by: R McLaughlin | Collected date/time: 09/18/19 12:45 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352842	1	09/27/19 13:19	09/27/19 13:31	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/18/19 12:45	09/28/19 19:35	BMB	Mt. Juliet, TN

MW-319-70 L1141869-13 Solid

Collected by: R McLaughlin | Collected date/time: 09/18/19 12:48 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352842	1	09/27/19 13:19	09/27/19 13:31	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/18/19 12:48	09/28/19 19:55	BMB	Mt. Juliet, TN

MW-319-75 L1141869-14 Solid

Collected by: R McLaughlin | Collected date/time: 09/18/19 13:20 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352842	1	09/27/19 13:19	09/27/19 13:31	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353892	1	09/18/19 13:20	09/28/19 20:15	BMB	Mt. Juliet, TN

MW-319-80 L1141869-15 Solid

Collected by: R McLaughlin
Collected date/time: 09/18/19 13:22
Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352842	1	09/27/19 13:19	09/27/19 13:31	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	1	09/18/19 13:22	09/29/19 00:40	BMB	Mt. Juliet, TN

MW-319-85 L1141869-16 Solid

Collected by: R McLaughlin
Collected date/time: 09/18/19 13:35
Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352842	1	09/27/19 13:19	09/27/19 13:31	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	1	09/18/19 13:35	09/29/19 01:00	BMB	Mt. Juliet, TN

TB-092019 L1141869-17 GW

Collected by: R McLaughlin
Collected date/time: 09/20/19 09:00
Received date/time: 09/21/19 08:45

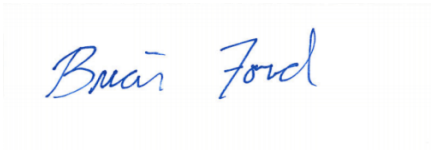
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353837	1	09/28/19 21:19	09/28/19 21:19	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354826	1	10/01/19 13:21	10/01/19 13:21	BMB	Mt. Juliet, TN

MW-2006-70 L1141869-18 Solid

Collected by: R McLaughlin
Collected date/time: 09/18/19 10:00
Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352842	1	09/27/19 13:19	09/27/19 13:31	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	1	09/18/19 10:00	09/29/19 01:21	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.



Brian Ford
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.2		1	09/27/2019 13:49	WG1352841

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.105		0.0159	0.0290	1	09/28/2019 15:51	WG1353892
Acrylonitrile	U	J0	0.00220	0.0145	1	09/28/2019 15:51	WG1353892
Benzene	0.000468	J	0.000464	0.00116	1	09/28/2019 15:51	WG1353892
Bromobenzene	U		0.00122	0.0145	1	09/28/2019 15:51	WG1353892
Bromodichloromethane	U		0.000914	0.00290	1	09/28/2019 15:51	WG1353892
Bromochloromethane	U		0.00131	0.00580	1	09/28/2019 15:51	WG1353892
Bromoform	U		0.00694	0.0290	1	09/28/2019 15:51	WG1353892
Bromomethane	U		0.00429	0.0145	1	09/28/2019 15:51	WG1353892
n-Butylbenzene	U		0.00446	0.0145	1	09/28/2019 15:51	WG1353892
sec-Butylbenzene	U		0.00294	0.0145	1	09/28/2019 15:51	WG1353892
tert-Butylbenzene	U		0.00180	0.00580	1	09/28/2019 15:51	WG1353892
Carbon disulfide	U		0.00471	0.0145	1	09/28/2019 15:51	WG1353892
Carbon tetrachloride	U		0.00125	0.00580	1	09/28/2019 15:51	WG1353892
Chlorobenzene	U		0.000665	0.00290	1	09/28/2019 15:51	WG1353892
Chlorodibromomethane	U		0.000522	0.00290	1	09/28/2019 15:51	WG1353892
Chloroethane	U		0.00125	0.00580	1	09/28/2019 15:51	WG1353892
Chloroform	U		0.000482	0.00290	1	09/28/2019 15:51	WG1353892
Chloromethane	U		0.00161	0.0145	1	09/28/2019 15:51	WG1353892
2-Chlorotoluene	U		0.00107	0.00290	1	09/28/2019 15:51	WG1353892
4-Chlorotoluene	U		0.00131	0.00580	1	09/28/2019 15:51	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00592	0.0290	1	09/28/2019 15:51	WG1353892
1,2-Dibromoethane	U		0.000609	0.00290	1	09/28/2019 15:51	WG1353892
Dibromomethane	U		0.00116	0.00580	1	09/28/2019 15:51	WG1353892
1,2-Dichlorobenzene	U		0.00168	0.00580	1	09/28/2019 15:51	WG1353892
1,3-Dichlorobenzene	U		0.00197	0.00580	1	09/28/2019 15:51	WG1353892
1,4-Dichlorobenzene	U		0.00229	0.00580	1	09/28/2019 15:51	WG1353892
Dichlorodifluoromethane	U		0.000949	0.00290	1	09/28/2019 15:51	WG1353892
1,1-Dichloroethane	U		0.000667	0.00290	1	09/28/2019 15:51	WG1353892
1,2-Dichloroethane	U		0.000551	0.00290	1	09/28/2019 15:51	WG1353892
1,1-Dichloroethene	U		0.000580	0.00290	1	09/28/2019 15:51	WG1353892
cis-1,2-Dichloroethene	U		0.000801	0.00290	1	09/28/2019 15:51	WG1353892
trans-1,2-Dichloroethene	U		0.00166	0.00580	1	09/28/2019 15:51	WG1353892
1,2-Dichloropropane	U		0.00147	0.00580	1	09/28/2019 15:51	WG1353892
1,1-Dichloropropene	U		0.000812	0.00290	1	09/28/2019 15:51	WG1353892
1,3-Dichloropropane	U		0.00203	0.00580	1	09/28/2019 15:51	WG1353892
cis-1,3-Dichloropropene	U		0.000787	0.00290	1	09/28/2019 15:51	WG1353892
trans-1,3-Dichloropropene	U		0.00178	0.00580	1	09/28/2019 15:51	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00162	0.00580	1	09/28/2019 15:51	WG1353892
2,2-Dichloropropane	U		0.000920	0.00290	1	09/28/2019 15:51	WG1353892
Di-isopropyl ether	U		0.000406	0.00116	1	09/28/2019 15:51	WG1353892
Ethylbenzene	0.00182	J	0.000615	0.00290	1	09/28/2019 15:51	WG1353892
Hexachloro-1,3-butadiene	U		0.0147	0.0290	1	09/28/2019 15:51	WG1353892
2-Hexanone	U		0.0116	0.0290	1	09/28/2019 15:51	WG1353892
n-Hexane	0.0157		0.00123	0.00580	1	09/28/2019 15:51	WG1353892
Iodomethane	U		0.00702	0.0145	1	09/28/2019 15:51	WG1353892
Isopropylbenzene	U		0.00100	0.00290	1	09/28/2019 15:51	WG1353892
p-Isopropyltoluene	U		0.00270	0.00580	1	09/28/2019 15:51	WG1353892
2-Butanone (MEK)	U		0.0145	0.0290	1	09/28/2019 15:51	WG1353892
Methylene Chloride	0.0139	B J	0.00770	0.0290	1	09/28/2019 15:51	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0116	0.0290	1	09/28/2019 15:51	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000342	0.00116	1	09/28/2019 15:51	WG1353892
Naphthalene	U		0.00362	0.0145	1	09/28/2019 15:51	WG1353892
n-Propylbenzene	U		0.00137	0.00580	1	09/28/2019 15:51	WG1353892
Styrene	U		0.00317	0.0145	1	09/28/2019 15:51	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000580	0.00290	1	09/28/2019 15:51	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000452	0.00290	1	09/28/2019 15:51	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000783	0.00290	1	09/28/2019 15:51	WG1353892
Tetrachloroethene	U		0.000812	0.00290	1	09/28/2019 15:51	WG1353892
Toluene	0.0154		0.00145	0.00580	1	09/28/2019 15:51	WG1353892
1,2,3-Trichlorobenzene	U		0.000725	0.00290	1	09/28/2019 15:51	WG1353892
1,2,4-Trichlorobenzene	U		0.00559	0.0145	1	09/28/2019 15:51	WG1353892
1,1,1-Trichloroethane	U		0.000319	0.00290	1	09/28/2019 15:51	WG1353892
1,1,2-Trichloroethane	U		0.00102	0.00290	1	09/28/2019 15:51	WG1353892
Trichloroethene	U		0.000464	0.00116	1	09/28/2019 15:51	WG1353892
Trichlorofluoromethane	U		0.000580	0.00290	1	09/28/2019 15:51	WG1353892
1,2,3-Trichloropropane	U		0.00592	0.0145	1	09/28/2019 15:51	WG1353892
1,2,4-Trimethylbenzene	0.00522	J	0.00135	0.00580	1	09/28/2019 15:51	WG1353892
1,2,3-Trimethylbenzene	0.00452	J	0.00133	0.00580	1	09/28/2019 15:51	WG1353892
1,3,5-Trimethylbenzene	0.00157	J	0.00125	0.00580	1	09/28/2019 15:51	WG1353892
Vinyl acetate	U		0.00408	0.0145	1	09/28/2019 15:51	WG1353892
Vinyl chloride	U		0.000792	0.00290	1	09/28/2019 15:51	WG1353892
Xylenes, Total	0.0102		0.00555	0.00754	1	09/28/2019 15:51	WG1353892
(S) Toluene-d8	*112*			*75.0-131*		*09/28/2019 15:51*	WG1353892
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/28/2019 15:51*	WG1353892
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/28/2019 15:51*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.7		1	09/27/2019 13:49	WG1352841

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0480		0.0158	0.0288	1	09/28/2019 16:12	WG1353892
Acrylonitrile	U	J0	0.00219	0.0144	1	09/28/2019 16:12	WG1353892
Benzene	U		0.000461	0.00115	1	09/28/2019 16:12	WG1353892
Bromobenzene	U		0.00121	0.0144	1	09/28/2019 16:12	WG1353892
Bromodichloromethane	U		0.000909	0.00288	1	09/28/2019 16:12	WG1353892
Bromochloromethane	U		0.00130	0.00576	1	09/28/2019 16:12	WG1353892
Bromoform	U		0.00689	0.0288	1	09/28/2019 16:12	WG1353892
Bromomethane	U		0.00427	0.0144	1	09/28/2019 16:12	WG1353892
n-Butylbenzene	U		0.00443	0.0144	1	09/28/2019 16:12	WG1353892
sec-Butylbenzene	U		0.00292	0.0144	1	09/28/2019 16:12	WG1353892
tert-Butylbenzene	U		0.00179	0.00576	1	09/28/2019 16:12	WG1353892
Carbon disulfide	U		0.00468	0.0144	1	09/28/2019 16:12	WG1353892
Carbon tetrachloride	U		0.00125	0.00576	1	09/28/2019 16:12	WG1353892
Chlorobenzene	U		0.000661	0.00288	1	09/28/2019 16:12	WG1353892
Chlorodibromomethane	U		0.000519	0.00288	1	09/28/2019 16:12	WG1353892
Chloroethane	U		0.00125	0.00576	1	09/28/2019 16:12	WG1353892
Chloroform	U		0.000478	0.00288	1	09/28/2019 16:12	WG1353892
Chloromethane	U		0.00160	0.0144	1	09/28/2019 16:12	WG1353892
2-Chlorotoluene	U		0.00106	0.00288	1	09/28/2019 16:12	WG1353892
4-Chlorotoluene	U		0.00130	0.00576	1	09/28/2019 16:12	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00588	0.0288	1	09/28/2019 16:12	WG1353892
1,2-Dibromoethane	U		0.000605	0.00288	1	09/28/2019 16:12	WG1353892
Dibromomethane	U		0.00115	0.00576	1	09/28/2019 16:12	WG1353892
1,2-Dichlorobenzene	U		0.00167	0.00576	1	09/28/2019 16:12	WG1353892
1,3-Dichlorobenzene	U		0.00196	0.00576	1	09/28/2019 16:12	WG1353892
1,4-Dichlorobenzene	U		0.00227	0.00576	1	09/28/2019 16:12	WG1353892
Dichlorodifluoromethane	U		0.000943	0.00288	1	09/28/2019 16:12	WG1353892
1,1-Dichloroethane	U		0.000663	0.00288	1	09/28/2019 16:12	WG1353892
1,2-Dichloroethane	U		0.000548	0.00288	1	09/28/2019 16:12	WG1353892
1,1-Dichloroethene	U		0.000576	0.00288	1	09/28/2019 16:12	WG1353892
cis-1,2-Dichloroethene	U		0.000796	0.00288	1	09/28/2019 16:12	WG1353892
trans-1,2-Dichloroethene	U		0.00165	0.00576	1	09/28/2019 16:12	WG1353892
1,2-Dichloropropane	U		0.00146	0.00576	1	09/28/2019 16:12	WG1353892
1,1-Dichloropropene	U		0.000807	0.00288	1	09/28/2019 16:12	WG1353892
1,3-Dichloropropane	U		0.00202	0.00576	1	09/28/2019 16:12	WG1353892
cis-1,3-Dichloropropene	U		0.000782	0.00288	1	09/28/2019 16:12	WG1353892
trans-1,3-Dichloropropene	U		0.00176	0.00576	1	09/28/2019 16:12	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00161	0.00576	1	09/28/2019 16:12	WG1353892
2,2-Dichloropropane	U		0.000914	0.00288	1	09/28/2019 16:12	WG1353892
Di-isopropyl ether	U		0.000404	0.00115	1	09/28/2019 16:12	WG1353892
Ethylbenzene	U		0.000611	0.00288	1	09/28/2019 16:12	WG1353892
Hexachloro-1,3-butadiene	U		0.0146	0.0288	1	09/28/2019 16:12	WG1353892
2-Hexanone	U		0.0115	0.0288	1	09/28/2019 16:12	WG1353892
n-Hexane	0.0384		0.00122	0.00576	1	09/28/2019 16:12	WG1353892
Iodomethane	U		0.00698	0.0144	1	09/28/2019 16:12	WG1353892
Isopropylbenzene	U		0.000995	0.00288	1	09/28/2019 16:12	WG1353892
p-Isopropyltoluene	U		0.00269	0.00576	1	09/28/2019 16:12	WG1353892
2-Butanone (MEK)	U		0.0144	0.0288	1	09/28/2019 16:12	WG1353892
Methylene Chloride	0.00934	B J	0.00766	0.0288	1	09/28/2019 16:12	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0288	1	09/28/2019 16:12	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000340	0.00115	1	09/28/2019 16:12	WG1353892
Naphthalene	U		0.00360	0.0144	1	09/28/2019 16:12	WG1353892
n-Propylbenzene	U		0.00136	0.00576	1	09/28/2019 16:12	WG1353892
Styrene	U		0.00315	0.0144	1	09/28/2019 16:12	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000576	0.00288	1	09/28/2019 16:12	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000450	0.00288	1	09/28/2019 16:12	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000778	0.00288	1	09/28/2019 16:12	WG1353892
Tetrachloroethene	0.00247	J	0.000807	0.00288	1	09/28/2019 16:12	WG1353892
Toluene	0.00939		0.00144	0.00576	1	09/28/2019 16:12	WG1353892
1,2,3-Trichlorobenzene	U		0.000721	0.00288	1	09/28/2019 16:12	WG1353892
1,2,4-Trichlorobenzene	U		0.00556	0.0144	1	09/28/2019 16:12	WG1353892
1,1,1-Trichloroethane	U		0.000317	0.00288	1	09/28/2019 16:12	WG1353892
1,1,2-Trichloroethane	U		0.00102	0.00288	1	09/28/2019 16:12	WG1353892
Trichloroethene	U		0.000461	0.00115	1	09/28/2019 16:12	WG1353892
Trichlorofluoromethane	0.00658		0.000576	0.00288	1	09/28/2019 16:12	WG1353892
1,2,3-Trichloropropane	U		0.00588	0.0144	1	09/28/2019 16:12	WG1353892
1,2,4-Trimethylbenzene	U		0.00134	0.00576	1	09/28/2019 16:12	WG1353892
1,2,3-Trimethylbenzene	U		0.00133	0.00576	1	09/28/2019 16:12	WG1353892
1,3,5-Trimethylbenzene	U		0.00125	0.00576	1	09/28/2019 16:12	WG1353892
Vinyl acetate	U		0.00406	0.0144	1	09/28/2019 16:12	WG1353892
Vinyl chloride	U		0.000787	0.00288	1	09/28/2019 16:12	WG1353892
Xylenes, Total	U		0.00551	0.00749	1	09/28/2019 16:12	WG1353892
(S) Toluene-d8	*111*			*75.0-131*		*09/28/2019 16:12*	WG1353892
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/28/2019 16:12*	WG1353892
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/28/2019 16:12*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	09/27/2019 13:49	WG1352841

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0449		0.0157	0.0286	1	09/28/2019 16:32	WG1353892
Acrylonitrile	U	J0	0.00218	0.0143	1	09/28/2019 16:32	WG1353892
Benzene	U		0.000458	0.00115	1	09/28/2019 16:32	WG1353892
Bromobenzene	U		0.00120	0.0143	1	09/28/2019 16:32	WG1353892
Bromodichloromethane	U		0.000903	0.00286	1	09/28/2019 16:32	WG1353892
Bromochloromethane	U		0.00129	0.00573	1	09/28/2019 16:32	WG1353892
Bromoform	U		0.00685	0.0286	1	09/28/2019 16:32	WG1353892
Bromomethane	U		0.00424	0.0143	1	09/28/2019 16:32	WG1353892
n-Butylbenzene	U		0.00440	0.0143	1	09/28/2019 16:32	WG1353892
sec-Butylbenzene	U		0.00290	0.0143	1	09/28/2019 16:32	WG1353892
tert-Butylbenzene	U		0.00178	0.00573	1	09/28/2019 16:32	WG1353892
Carbon disulfide	U		0.00465	0.0143	1	09/28/2019 16:32	WG1353892
Carbon tetrachloride	U		0.00124	0.00573	1	09/28/2019 16:32	WG1353892
Chlorobenzene	U		0.000656	0.00286	1	09/28/2019 16:32	WG1353892
Chlorodibromomethane	U		0.000515	0.00286	1	09/28/2019 16:32	WG1353892
Chloroethane	U		0.00124	0.00573	1	09/28/2019 16:32	WG1353892
Chloroform	U		0.000475	0.00286	1	09/28/2019 16:32	WG1353892
Chloromethane	U		0.00159	0.0143	1	09/28/2019 16:32	WG1353892
2-Chlorotoluene	U		0.00105	0.00286	1	09/28/2019 16:32	WG1353892
4-Chlorotoluene	U		0.00129	0.00573	1	09/28/2019 16:32	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00584	0.0286	1	09/28/2019 16:32	WG1353892
1,2-Dibromoethane	U		0.000601	0.00286	1	09/28/2019 16:32	WG1353892
Dibromomethane	U		0.00115	0.00573	1	09/28/2019 16:32	WG1353892
1,2-Dichlorobenzene	U		0.00166	0.00573	1	09/28/2019 16:32	WG1353892
1,3-Dichlorobenzene	U		0.00195	0.00573	1	09/28/2019 16:32	WG1353892
1,4-Dichlorobenzene	U		0.00226	0.00573	1	09/28/2019 16:32	WG1353892
Dichlorodifluoromethane	U		0.000937	0.00286	1	09/28/2019 16:32	WG1353892
1,1-Dichloroethane	U		0.000659	0.00286	1	09/28/2019 16:32	WG1353892
1,2-Dichloroethane	U		0.000544	0.00286	1	09/28/2019 16:32	WG1353892
1,1-Dichloroethene	U		0.000573	0.00286	1	09/28/2019 16:32	WG1353892
cis-1,2-Dichloroethene	U		0.000790	0.00286	1	09/28/2019 16:32	WG1353892
trans-1,2-Dichloroethene	U		0.00164	0.00573	1	09/28/2019 16:32	WG1353892
1,2-Dichloropropane	U		0.00145	0.00573	1	09/28/2019 16:32	WG1353892
1,1-Dichloropropene	U		0.000802	0.00286	1	09/28/2019 16:32	WG1353892
1,3-Dichloropropane	U		0.00200	0.00573	1	09/28/2019 16:32	WG1353892
cis-1,3-Dichloropropene	U		0.000777	0.00286	1	09/28/2019 16:32	WG1353892
trans-1,3-Dichloropropene	U		0.00175	0.00573	1	09/28/2019 16:32	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00160	0.00573	1	09/28/2019 16:32	WG1353892
2,2-Dichloropropane	U		0.000908	0.00286	1	09/28/2019 16:32	WG1353892
Di-isopropyl ether	U		0.000401	0.00115	1	09/28/2019 16:32	WG1353892
Ethylbenzene	U		0.000607	0.00286	1	09/28/2019 16:32	WG1353892
Hexachloro-1,3-butadiene	U		0.0145	0.0286	1	09/28/2019 16:32	WG1353892
2-Hexanone	U		0.0115	0.0286	1	09/28/2019 16:32	WG1353892
n-Hexane	0.0376		0.00121	0.00573	1	09/28/2019 16:32	WG1353892
Iodomethane	U		0.00693	0.0143	1	09/28/2019 16:32	WG1353892
Isopropylbenzene	U		0.000989	0.00286	1	09/28/2019 16:32	WG1353892
p-Isopropyltoluene	U		0.00267	0.00573	1	09/28/2019 16:32	WG1353892
2-Butanone (MEK)	U		0.0143	0.0286	1	09/28/2019 16:32	WG1353892
Methylene Chloride	0.00832	B J	0.00761	0.0286	1	09/28/2019 16:32	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0286	1	09/28/2019 16:32	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000338	0.00115	1	09/28/2019 16:32	WG1353892
Naphthalene	U		0.00357	0.0143	1	09/28/2019 16:32	WG1353892
n-Propylbenzene	U		0.00135	0.00573	1	09/28/2019 16:32	WG1353892
Styrene	U		0.00313	0.0143	1	09/28/2019 16:32	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000573	0.00286	1	09/28/2019 16:32	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000447	0.00286	1	09/28/2019 16:32	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000773	0.00286	1	09/28/2019 16:32	WG1353892
Tetrachloroethene	U		0.000802	0.00286	1	09/28/2019 16:32	WG1353892
Toluene	0.0147		0.00143	0.00573	1	09/28/2019 16:32	WG1353892
1,2,3-Trichlorobenzene	U		0.000716	0.00286	1	09/28/2019 16:32	WG1353892
1,2,4-Trichlorobenzene	U		0.00552	0.0143	1	09/28/2019 16:32	WG1353892
1,1,1-Trichloroethane	U		0.000315	0.00286	1	09/28/2019 16:32	WG1353892
1,1,2-Trichloroethane	U		0.00101	0.00286	1	09/28/2019 16:32	WG1353892
Trichloroethene	U		0.000458	0.00115	1	09/28/2019 16:32	WG1353892
Trichlorofluoromethane	0.00647		0.000573	0.00286	1	09/28/2019 16:32	WG1353892
1,2,3-Trichloropropane	U		0.00584	0.0143	1	09/28/2019 16:32	WG1353892
1,2,4-Trimethylbenzene	U		0.00133	0.00573	1	09/28/2019 16:32	WG1353892
1,2,3-Trimethylbenzene	U		0.00132	0.00573	1	09/28/2019 16:32	WG1353892
1,3,5-Trimethylbenzene	U		0.00124	0.00573	1	09/28/2019 16:32	WG1353892
Vinyl acetate	U		0.00403	0.0143	1	09/28/2019 16:32	WG1353892
Vinyl chloride	U		0.000782	0.00286	1	09/28/2019 16:32	WG1353892
Xylenes, Total	U		0.00548	0.00745	1	09/28/2019 16:32	WG1353892
(S) Toluene-d8	*110*			*75.0-131*		*09/28/2019 16:32*	WG1353892
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/28/2019 16:32*	WG1353892
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/28/2019 16:32*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.7		1	09/27/2019 13:49	WG1352841

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0170	0.0310	1	09/28/2019 16:53	WG1353892
Acrylonitrile	U	J0	0.00235	0.0155	1	09/28/2019 16:53	WG1353892
Benzene	U		0.000495	0.00124	1	09/28/2019 16:53	WG1353892
Bromobenzene	U		0.00130	0.0155	1	09/28/2019 16:53	WG1353892
Bromodichloromethane	U		0.000976	0.00310	1	09/28/2019 16:53	WG1353892
Bromochloromethane	U		0.00140	0.00619	1	09/28/2019 16:53	WG1353892
Bromoform	U		0.00741	0.0310	1	09/28/2019 16:53	WG1353892
Bromomethane	U		0.00458	0.0155	1	09/28/2019 16:53	WG1353892
n-Butylbenzene	U		0.00476	0.0155	1	09/28/2019 16:53	WG1353892
sec-Butylbenzene	U		0.00313	0.0155	1	09/28/2019 16:53	WG1353892
tert-Butylbenzene	U		0.00192	0.00619	1	09/28/2019 16:53	WG1353892
Carbon disulfide	U		0.00503	0.0155	1	09/28/2019 16:53	WG1353892
Carbon tetrachloride	U		0.00134	0.00619	1	09/28/2019 16:53	WG1353892
Chlorobenzene	U		0.000710	0.00310	1	09/28/2019 16:53	WG1353892
Chlorodibromomethane	U		0.000557	0.00310	1	09/28/2019 16:53	WG1353892
Chloroethane	U		0.00134	0.00619	1	09/28/2019 16:53	WG1353892
Chloroform	U		0.000514	0.00310	1	09/28/2019 16:53	WG1353892
Chloromethane	U		0.00172	0.0155	1	09/28/2019 16:53	WG1353892
2-Chlorotoluene	U		0.00114	0.00310	1	09/28/2019 16:53	WG1353892
4-Chlorotoluene	U		0.00140	0.00619	1	09/28/2019 16:53	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00632	0.0310	1	09/28/2019 16:53	WG1353892
1,2-Dibromoethane	U		0.000650	0.00310	1	09/28/2019 16:53	WG1353892
Dibromomethane	U		0.00124	0.00619	1	09/28/2019 16:53	WG1353892
1,2-Dichlorobenzene	U		0.00180	0.00619	1	09/28/2019 16:53	WG1353892
1,3-Dichlorobenzene	U		0.00211	0.00619	1	09/28/2019 16:53	WG1353892
1,4-Dichlorobenzene	U		0.00244	0.00619	1	09/28/2019 16:53	WG1353892
Dichlorodifluoromethane	U		0.00101	0.00310	1	09/28/2019 16:53	WG1353892
1,1-Dichloroethane	U		0.000712	0.00310	1	09/28/2019 16:53	WG1353892
1,2-Dichloroethane	U		0.000588	0.00310	1	09/28/2019 16:53	WG1353892
1,1-Dichloroethene	U		0.000619	0.00310	1	09/28/2019 16:53	WG1353892
cis-1,2-Dichloroethene	U		0.000855	0.00310	1	09/28/2019 16:53	WG1353892
trans-1,2-Dichloroethene	U		0.00177	0.00619	1	09/28/2019 16:53	WG1353892
1,2-Dichloropropane	U		0.00157	0.00619	1	09/28/2019 16:53	WG1353892
1,1-Dichloropropene	U		0.000867	0.00310	1	09/28/2019 16:53	WG1353892
1,3-Dichloropropane	U		0.00217	0.00619	1	09/28/2019 16:53	WG1353892
cis-1,3-Dichloropropene	U		0.000840	0.00310	1	09/28/2019 16:53	WG1353892
trans-1,3-Dichloropropene	U		0.00190	0.00619	1	09/28/2019 16:53	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00173	0.00619	1	09/28/2019 16:53	WG1353892
2,2-Dichloropropane	U		0.000982	0.00310	1	09/28/2019 16:53	WG1353892
Di-isopropyl ether	U		0.000434	0.00124	1	09/28/2019 16:53	WG1353892
Ethylbenzene	U		0.000656	0.00310	1	09/28/2019 16:53	WG1353892
Hexachloro-1,3-butadiene	U		0.0157	0.0310	1	09/28/2019 16:53	WG1353892
2-Hexanone	U		0.0124	0.0310	1	09/28/2019 16:53	WG1353892
n-Hexane	0.0117		0.00131	0.00619	1	09/28/2019 16:53	WG1353892
Iodomethane	U		0.00749	0.0155	1	09/28/2019 16:53	WG1353892
Isopropylbenzene	U		0.00107	0.00310	1	09/28/2019 16:53	WG1353892
p-Isopropyltoluene	U		0.00289	0.00619	1	09/28/2019 16:53	WG1353892
2-Butanone (MEK)	U		0.0155	0.0310	1	09/28/2019 16:53	WG1353892
Methylene Chloride	0.00945	B J	0.00822	0.0310	1	09/28/2019 16:53	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0124	0.0310	1	09/28/2019 16:53	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000365	0.00124	1	09/28/2019 16:53	WG1353892
Naphthalene	U		0.00386	0.0155	1	09/28/2019 16:53	WG1353892
n-Propylbenzene	U		0.00146	0.00619	1	09/28/2019 16:53	WG1353892
Styrene	U		0.00338	0.0155	1	09/28/2019 16:53	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000619	0.00310	1	09/28/2019 16:53	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000483	0.00310	1	09/28/2019 16:53	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000836	0.00310	1	09/28/2019 16:53	WG1353892
Tetrachloroethene	U		0.000867	0.00310	1	09/28/2019 16:53	WG1353892
Toluene	0.00844		0.00155	0.00619	1	09/28/2019 16:53	WG1353892
1,2,3-Trichlorobenzene	U		0.000774	0.00310	1	09/28/2019 16:53	WG1353892
1,2,4-Trichlorobenzene	U		0.00597	0.0155	1	09/28/2019 16:53	WG1353892
1,1,1-Trichloroethane	U		0.000341	0.00310	1	09/28/2019 16:53	WG1353892
1,1,2-Trichloroethane	U		0.00109	0.00310	1	09/28/2019 16:53	WG1353892
Trichloroethene	U		0.000495	0.00124	1	09/28/2019 16:53	WG1353892
Trichlorofluoromethane	0.00313		0.000619	0.00310	1	09/28/2019 16:53	WG1353892
1,2,3-Trichloropropane	U		0.00632	0.0155	1	09/28/2019 16:53	WG1353892
1,2,4-Trimethylbenzene	U		0.00144	0.00619	1	09/28/2019 16:53	WG1353892
1,2,3-Trimethylbenzene	U		0.00142	0.00619	1	09/28/2019 16:53	WG1353892
1,3,5-Trimethylbenzene	U		0.00134	0.00619	1	09/28/2019 16:53	WG1353892
Vinyl acetate	U		0.00436	0.0155	1	09/28/2019 16:53	WG1353892
Vinyl chloride	U		0.000846	0.00310	1	09/28/2019 16:53	WG1353892
Xylenes, Total	U		0.00592	0.00805	1	09/28/2019 16:53	WG1353892
(S) Toluene-d8	*111*			*75.0-131*		*09/28/2019 16:53*	WG1353892
(S) 4-Bromofluorobenzene	*96.0*			*67.0-138*		*09/28/2019 16:53*	WG1353892
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/28/2019 16:53*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.5		1	09/27/2019 13:49	WG1352841

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0418		0.0157	0.0286	1	09/28/2019 17:13	WG1353892
Acrylonitrile	U	J0	0.00217	0.0143	1	09/28/2019 17:13	WG1353892
Benzene	U		0.000457	0.00114	1	09/28/2019 17:13	WG1353892
Bromobenzene	U		0.00120	0.0143	1	09/28/2019 17:13	WG1353892
Bromodichloromethane	U		0.000901	0.00286	1	09/28/2019 17:13	WG1353892
Bromochloromethane	U		0.00129	0.00571	1	09/28/2019 17:13	WG1353892
Bromoform	U		0.00683	0.0286	1	09/28/2019 17:13	WG1353892
Bromomethane	U		0.00423	0.0143	1	09/28/2019 17:13	WG1353892
n-Butylbenzene	U		0.00439	0.0143	1	09/28/2019 17:13	WG1353892
sec-Butylbenzene	U		0.00289	0.0143	1	09/28/2019 17:13	WG1353892
tert-Butylbenzene	U		0.00177	0.00571	1	09/28/2019 17:13	WG1353892
Carbon disulfide	U		0.00464	0.0143	1	09/28/2019 17:13	WG1353892
Carbon tetrachloride	U		0.00123	0.00571	1	09/28/2019 17:13	WG1353892
Chlorobenzene	U		0.000655	0.00286	1	09/28/2019 17:13	WG1353892
Chlorodibromomethane	U		0.000514	0.00286	1	09/28/2019 17:13	WG1353892
Chloroethane	U		0.00123	0.00571	1	09/28/2019 17:13	WG1353892
Chloroform	U		0.000474	0.00286	1	09/28/2019 17:13	WG1353892
Chloromethane	U		0.00159	0.0143	1	09/28/2019 17:13	WG1353892
2-Chlorotoluene	U		0.00105	0.00286	1	09/28/2019 17:13	WG1353892
4-Chlorotoluene	U		0.00129	0.00571	1	09/28/2019 17:13	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00583	0.0286	1	09/28/2019 17:13	WG1353892
1,2-Dibromoethane	U		0.000600	0.00286	1	09/28/2019 17:13	WG1353892
Dibromomethane	U		0.00114	0.00571	1	09/28/2019 17:13	WG1353892
1,2-Dichlorobenzene	U		0.00166	0.00571	1	09/28/2019 17:13	WG1353892
1,3-Dichlorobenzene	U		0.00194	0.00571	1	09/28/2019 17:13	WG1353892
1,4-Dichlorobenzene	U		0.00225	0.00571	1	09/28/2019 17:13	WG1353892
Dichlorodifluoromethane	U		0.000935	0.00286	1	09/28/2019 17:13	WG1353892
1,1-Dichloroethane	U		0.000657	0.00286	1	09/28/2019 17:13	WG1353892
1,2-Dichloroethane	U		0.000543	0.00286	1	09/28/2019 17:13	WG1353892
1,1-Dichloroethene	U		0.000571	0.00286	1	09/28/2019 17:13	WG1353892
cis-1,2-Dichloroethene	U		0.000789	0.00286	1	09/28/2019 17:13	WG1353892
trans-1,2-Dichloroethene	U		0.00163	0.00571	1	09/28/2019 17:13	WG1353892
1,2-Dichloropropane	U		0.00145	0.00571	1	09/28/2019 17:13	WG1353892
1,1-Dichloropropene	U		0.000800	0.00286	1	09/28/2019 17:13	WG1353892
1,3-Dichloropropane	U		0.00200	0.00571	1	09/28/2019 17:13	WG1353892
cis-1,3-Dichloropropene	U		0.000775	0.00286	1	09/28/2019 17:13	WG1353892
trans-1,3-Dichloropropene	U		0.00175	0.00571	1	09/28/2019 17:13	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00160	0.00571	1	09/28/2019 17:13	WG1353892
2,2-Dichloropropane	U		0.000906	0.00286	1	09/28/2019 17:13	WG1353892
Di-isopropyl ether	U		0.000400	0.00114	1	09/28/2019 17:13	WG1353892
Ethylbenzene	U		0.000606	0.00286	1	09/28/2019 17:13	WG1353892
Hexachloro-1,3-butadiene	U		0.0145	0.0286	1	09/28/2019 17:13	WG1353892
2-Hexanone	U		0.0114	0.0286	1	09/28/2019 17:13	WG1353892
n-Hexane	0.00567	J	0.00121	0.00571	1	09/28/2019 17:13	WG1353892
Iodomethane	U		0.00691	0.0143	1	09/28/2019 17:13	WG1353892
Isopropylbenzene	U		0.000986	0.00286	1	09/28/2019 17:13	WG1353892
p-Isopropyltoluene	U		0.00266	0.00571	1	09/28/2019 17:13	WG1353892
2-Butanone (MEK)	U		0.0143	0.0286	1	09/28/2019 17:13	WG1353892
Methylene Chloride	0.00924	B J	0.00759	0.0286	1	09/28/2019 17:13	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0286	1	09/28/2019 17:13	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000337	0.00114	1	09/28/2019 17:13	WG1353892
Naphthalene	U		0.00357	0.0143	1	09/28/2019 17:13	WG1353892
n-Propylbenzene	U		0.00135	0.00571	1	09/28/2019 17:13	WG1353892
Styrene	U		0.00312	0.0143	1	09/28/2019 17:13	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000571	0.00286	1	09/28/2019 17:13	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000446	0.00286	1	09/28/2019 17:13	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000771	0.00286	1	09/28/2019 17:13	WG1353892
Tetrachloroethene	U		0.000800	0.00286	1	09/28/2019 17:13	WG1353892
Toluene	0.0140		0.00143	0.00571	1	09/28/2019 17:13	WG1353892
1,2,3-Trichlorobenzene	U		0.000714	0.00286	1	09/28/2019 17:13	WG1353892
1,2,4-Trichlorobenzene	U		0.00551	0.0143	1	09/28/2019 17:13	WG1353892
1,1,1-Trichloroethane	U		0.000314	0.00286	1	09/28/2019 17:13	WG1353892
1,1,2-Trichloroethane	U		0.00101	0.00286	1	09/28/2019 17:13	WG1353892
Trichloroethene	U		0.000457	0.00114	1	09/28/2019 17:13	WG1353892
Trichlorofluoromethane	0.00188	J	0.000571	0.00286	1	09/28/2019 17:13	WG1353892
1,2,3-Trichloropropane	U		0.00583	0.0143	1	09/28/2019 17:13	WG1353892
1,2,4-Trimethylbenzene	U		0.00133	0.00571	1	09/28/2019 17:13	WG1353892
1,2,3-Trimethylbenzene	U		0.00131	0.00571	1	09/28/2019 17:13	WG1353892
1,3,5-Trimethylbenzene	U		0.00123	0.00571	1	09/28/2019 17:13	WG1353892
Vinyl acetate	U		0.00402	0.0143	1	09/28/2019 17:13	WG1353892
Vinyl chloride	U		0.000781	0.00286	1	09/28/2019 17:13	WG1353892
Xylenes, Total	U		0.00546	0.00743	1	09/28/2019 17:13	WG1353892
(S) Toluene-d8	*110*			*75.0-131*		*09/28/2019 17:13*	WG1353892
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/28/2019 17:13*	WG1353892
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/28/2019 17:13*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.3		1	09/27/2019 13:49	WG1352841

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0739		0.0173	0.0315	1	09/28/2019 17:33	WG1353892
Acrylonitrile	U	J0	0.00240	0.0158	1	09/28/2019 17:33	WG1353892
Benzene	0.00112	J	0.000504	0.00126	1	09/28/2019 17:33	WG1353892
Bromobenzene	U		0.00132	0.0158	1	09/28/2019 17:33	WG1353892
Bromodichloromethane	U		0.000994	0.00315	1	09/28/2019 17:33	WG1353892
Bromochloromethane	U		0.00142	0.00631	1	09/28/2019 17:33	WG1353892
Bromoform	U		0.00754	0.0315	1	09/28/2019 17:33	WG1353892
Bromomethane	U		0.00467	0.0158	1	09/28/2019 17:33	WG1353892
n-Butylbenzene	U		0.00484	0.0158	1	09/28/2019 17:33	WG1353892
sec-Butylbenzene	U		0.00319	0.0158	1	09/28/2019 17:33	WG1353892
tert-Butylbenzene	U		0.00195	0.00631	1	09/28/2019 17:33	WG1353892
Carbon disulfide	U		0.00512	0.0158	1	09/28/2019 17:33	WG1353892
Carbon tetrachloride	U		0.00136	0.00631	1	09/28/2019 17:33	WG1353892
Chlorobenzene	U		0.000723	0.00315	1	09/28/2019 17:33	WG1353892
Chlorodibromomethane	U		0.000567	0.00315	1	09/28/2019 17:33	WG1353892
Chloroethane	U		0.00136	0.00631	1	09/28/2019 17:33	WG1353892
Chloroform	U		0.000523	0.00315	1	09/28/2019 17:33	WG1353892
Chloromethane	U		0.00175	0.0158	1	09/28/2019 17:33	WG1353892
2-Chlorotoluene	U		0.00116	0.00315	1	09/28/2019 17:33	WG1353892
4-Chlorotoluene	U		0.00142	0.00631	1	09/28/2019 17:33	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00643	0.0315	1	09/28/2019 17:33	WG1353892
1,2-Dibromoethane	U		0.000662	0.00315	1	09/28/2019 17:33	WG1353892
Dibromomethane	U		0.00126	0.00631	1	09/28/2019 17:33	WG1353892
1,2-Dichlorobenzene	U		0.00183	0.00631	1	09/28/2019 17:33	WG1353892
1,3-Dichlorobenzene	U		0.00214	0.00631	1	09/28/2019 17:33	WG1353892
1,4-Dichlorobenzene	U		0.00248	0.00631	1	09/28/2019 17:33	WG1353892
Dichlorodifluoromethane	U		0.00103	0.00315	1	09/28/2019 17:33	WG1353892
1,1-Dichloroethane	U		0.000725	0.00315	1	09/28/2019 17:33	WG1353892
1,2-Dichloroethane	U		0.000599	0.00315	1	09/28/2019 17:33	WG1353892
1,1-Dichloroethene	U		0.000631	0.00315	1	09/28/2019 17:33	WG1353892
cis-1,2-Dichloroethene	U		0.000870	0.00315	1	09/28/2019 17:33	WG1353892
trans-1,2-Dichloroethene	U		0.00180	0.00631	1	09/28/2019 17:33	WG1353892
1,2-Dichloropropane	U		0.00160	0.00631	1	09/28/2019 17:33	WG1353892
1,1-Dichloropropene	U		0.000883	0.00315	1	09/28/2019 17:33	WG1353892
1,3-Dichloropropane	U		0.00221	0.00631	1	09/28/2019 17:33	WG1353892
cis-1,3-Dichloropropene	U		0.000855	0.00315	1	09/28/2019 17:33	WG1353892
trans-1,3-Dichloropropene	U		0.00193	0.00631	1	09/28/2019 17:33	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00177	0.00631	1	09/28/2019 17:33	WG1353892
2,2-Dichloropropane	U		0.00100	0.00315	1	09/28/2019 17:33	WG1353892
Di-isopropyl ether	U		0.000441	0.00126	1	09/28/2019 17:33	WG1353892
Ethylbenzene	U		0.000668	0.00315	1	09/28/2019 17:33	WG1353892
Hexachloro-1,3-butadiene	U		0.0160	0.0315	1	09/28/2019 17:33	WG1353892
2-Hexanone	U		0.0126	0.0315	1	09/28/2019 17:33	WG1353892
n-Hexane	0.0300		0.00134	0.00631	1	09/28/2019 17:33	WG1353892
Iodomethane	U		0.00763	0.0158	1	09/28/2019 17:33	WG1353892
Isopropylbenzene	U		0.00109	0.00315	1	09/28/2019 17:33	WG1353892
p-Isopropyltoluene	U		0.00294	0.00631	1	09/28/2019 17:33	WG1353892
2-Butanone (MEK)	U		0.0158	0.0315	1	09/28/2019 17:33	WG1353892
Methylene Chloride	0.00950	B J	0.00837	0.0315	1	09/28/2019 17:33	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0126	0.0315	1	09/28/2019 17:33	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000372	0.00126	1	09/28/2019 17:33	WG1353892
Naphthalene	0.00502	J	0.00393	0.0158	1	09/28/2019 17:33	WG1353892
n-Propylbenzene	U		0.00149	0.00631	1	09/28/2019 17:33	WG1353892
Styrene	U		0.00344	0.0158	1	09/28/2019 17:33	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000631	0.00315	1	09/28/2019 17:33	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000492	0.00315	1	09/28/2019 17:33	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000851	0.00315	1	09/28/2019 17:33	WG1353892
Tetrachloroethene	U		0.000883	0.00315	1	09/28/2019 17:33	WG1353892
Toluene	0.0151		0.00158	0.00631	1	09/28/2019 17:33	WG1353892
1,2,3-Trichlorobenzene	U		0.000788	0.00315	1	09/28/2019 17:33	WG1353892
1,2,4-Trichlorobenzene	U		0.00608	0.0158	1	09/28/2019 17:33	WG1353892
1,1,1-Trichloroethane	U		0.000347	0.00315	1	09/28/2019 17:33	WG1353892
1,1,2-Trichloroethane	U		0.00111	0.00315	1	09/28/2019 17:33	WG1353892
Trichloroethene	U		0.000504	0.00126	1	09/28/2019 17:33	WG1353892
Trichlorofluoromethane	0.00661		0.000631	0.00315	1	09/28/2019 17:33	WG1353892
1,2,3-Trichloropropane	U		0.00643	0.0158	1	09/28/2019 17:33	WG1353892
1,2,4-Trimethylbenzene	U		0.00146	0.00631	1	09/28/2019 17:33	WG1353892
1,2,3-Trimethylbenzene	U		0.00145	0.00631	1	09/28/2019 17:33	WG1353892
1,3,5-Trimethylbenzene	U		0.00136	0.00631	1	09/28/2019 17:33	WG1353892
Vinyl acetate	U		0.00444	0.0158	1	09/28/2019 17:33	WG1353892
Vinyl chloride	U		0.000861	0.00315	1	09/28/2019 17:33	WG1353892
Xylenes, Total	U		0.00603	0.00820	1	09/28/2019 17:33	WG1353892
(S) Toluene-d8	*106*			*75.0-131*		*09/28/2019 17:33*	WG1353892
(S) 4-Bromofluorobenzene	*97.7*			*67.0-138*		*09/28/2019 17:33*	WG1353892
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/28/2019 17:33*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	09/27/2019 13:49	WG1352841

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0429		0.0162	0.0295	1	09/28/2019 17:53	WG1353892
Acrylonitrile	U	J0	0.00224	0.0148	1	09/28/2019 17:53	WG1353892
Benzene	U		0.000472	0.00118	1	09/28/2019 17:53	WG1353892
Bromobenzene	U		0.00124	0.0148	1	09/28/2019 17:53	WG1353892
Bromodichloromethane	U		0.000930	0.00295	1	09/28/2019 17:53	WG1353892
Bromochloromethane	U		0.00133	0.00590	1	09/28/2019 17:53	WG1353892
Bromoform	U		0.00706	0.0295	1	09/28/2019 17:53	WG1353892
Bromomethane	U		0.00437	0.0148	1	09/28/2019 17:53	WG1353892
n-Butylbenzene	U		0.00453	0.0148	1	09/28/2019 17:53	WG1353892
sec-Butylbenzene	U		0.00299	0.0148	1	09/28/2019 17:53	WG1353892
tert-Butylbenzene	U		0.00183	0.00590	1	09/28/2019 17:53	WG1353892
Carbon disulfide	U		0.00479	0.0148	1	09/28/2019 17:53	WG1353892
Carbon tetrachloride	U		0.00127	0.00590	1	09/28/2019 17:53	WG1353892
Chlorobenzene	U		0.000676	0.00295	1	09/28/2019 17:53	WG1353892
Chlorodibromomethane	U		0.000531	0.00295	1	09/28/2019 17:53	WG1353892
Chloroethane	U		0.00127	0.00590	1	09/28/2019 17:53	WG1353892
Chloroform	U		0.000490	0.00295	1	09/28/2019 17:53	WG1353892
Chloromethane	U		0.00164	0.0148	1	09/28/2019 17:53	WG1353892
2-Chlorotoluene	U		0.00109	0.00295	1	09/28/2019 17:53	WG1353892
4-Chlorotoluene	U		0.00133	0.00590	1	09/28/2019 17:53	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00602	0.0295	1	09/28/2019 17:53	WG1353892
1,2-Dibromoethane	U		0.000620	0.00295	1	09/28/2019 17:53	WG1353892
Dibromomethane	U		0.00118	0.00590	1	09/28/2019 17:53	WG1353892
1,2-Dichlorobenzene	U		0.00171	0.00590	1	09/28/2019 17:53	WG1353892
1,3-Dichlorobenzene	U		0.00201	0.00590	1	09/28/2019 17:53	WG1353892
1,4-Dichlorobenzene	U		0.00233	0.00590	1	09/28/2019 17:53	WG1353892
Dichlorodifluoromethane	U		0.000966	0.00295	1	09/28/2019 17:53	WG1353892
1,1-Dichloroethane	U		0.000679	0.00295	1	09/28/2019 17:53	WG1353892
1,2-Dichloroethane	U		0.000561	0.00295	1	09/28/2019 17:53	WG1353892
1,1-Dichloroethene	U		0.000590	0.00295	1	09/28/2019 17:53	WG1353892
cis-1,2-Dichloroethene	U		0.000815	0.00295	1	09/28/2019 17:53	WG1353892
trans-1,2-Dichloroethene	U		0.00169	0.00590	1	09/28/2019 17:53	WG1353892
1,2-Dichloropropane	U		0.00150	0.00590	1	09/28/2019 17:53	WG1353892
1,1-Dichloropropene	U		0.000826	0.00295	1	09/28/2019 17:53	WG1353892
1,3-Dichloropropane	U		0.00207	0.00590	1	09/28/2019 17:53	WG1353892
cis-1,3-Dichloropropene	U		0.000800	0.00295	1	09/28/2019 17:53	WG1353892
trans-1,3-Dichloropropene	U		0.00181	0.00590	1	09/28/2019 17:53	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00165	0.00590	1	09/28/2019 17:53	WG1353892
2,2-Dichloropropane	U		0.000936	0.00295	1	09/28/2019 17:53	WG1353892
Di-isopropyl ether	U		0.000413	0.00118	1	09/28/2019 17:53	WG1353892
Ethylbenzene	U		0.000626	0.00295	1	09/28/2019 17:53	WG1353892
Hexachloro-1,3-butadiene	U		0.0150	0.0295	1	09/28/2019 17:53	WG1353892
2-Hexanone	U		0.0118	0.0295	1	09/28/2019 17:53	WG1353892
n-Hexane	0.0254		0.00125	0.00590	1	09/28/2019 17:53	WG1353892
Iodomethane	U		0.00714	0.0148	1	09/28/2019 17:53	WG1353892
Isopropylbenzene	U		0.00102	0.00295	1	09/28/2019 17:53	WG1353892
p-Isopropyltoluene	U		0.00275	0.00590	1	09/28/2019 17:53	WG1353892
2-Butanone (MEK)	U		0.0148	0.0295	1	09/28/2019 17:53	WG1353892
Methylene Chloride	0.00804	B J	0.00784	0.0295	1	09/28/2019 17:53	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0118	0.0295	1	09/28/2019 17:53	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000348	0.00118	1	09/28/2019 17:53	WG1353892
Naphthalene	U		0.00368	0.0148	1	09/28/2019 17:53	WG1353892
n-Propylbenzene	U		0.00139	0.00590	1	09/28/2019 17:53	WG1353892
Styrene	U		0.00322	0.0148	1	09/28/2019 17:53	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000590	0.00295	1	09/28/2019 17:53	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000460	0.00295	1	09/28/2019 17:53	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000797	0.00295	1	09/28/2019 17:53	WG1353892
Tetrachloroethene	U		0.000826	0.00295	1	09/28/2019 17:53	WG1353892
Toluene	0.00939		0.00148	0.00590	1	09/28/2019 17:53	WG1353892
1,2,3-Trichlorobenzene	U		0.000738	0.00295	1	09/28/2019 17:53	WG1353892
1,2,4-Trichlorobenzene	U		0.00569	0.0148	1	09/28/2019 17:53	WG1353892
1,1,1-Trichloroethane	U		0.000325	0.00295	1	09/28/2019 17:53	WG1353892
1,1,2-Trichloroethane	U		0.00104	0.00295	1	09/28/2019 17:53	WG1353892
Trichloroethene	U		0.000472	0.00118	1	09/28/2019 17:53	WG1353892
Trichlorofluoromethane	0.00495		0.000590	0.00295	1	09/28/2019 17:53	WG1353892
1,2,3-Trichloropropane	U		0.00602	0.0148	1	09/28/2019 17:53	WG1353892
1,2,4-Trimethylbenzene	U		0.00137	0.00590	1	09/28/2019 17:53	WG1353892
1,2,3-Trimethylbenzene	U		0.00136	0.00590	1	09/28/2019 17:53	WG1353892
1,3,5-Trimethylbenzene	U		0.00127	0.00590	1	09/28/2019 17:53	WG1353892
Vinyl acetate	U		0.00416	0.0148	1	09/28/2019 17:53	WG1353892
Vinyl chloride	U		0.000806	0.00295	1	09/28/2019 17:53	WG1353892
Xylenes, Total	U		0.00564	0.00767	1	09/28/2019 17:53	WG1353892
(S) Toluene-d8	*109*			*75.0-131*		*09/28/2019 17:53*	WG1353892
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/28/2019 17:53*	WG1353892
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/28/2019 17:53*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.2		1	09/27/2019 13:49	WG1352841

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0414		0.0163	0.0297	1	09/28/2019 18:14	WG1353892
Acrylonitrile	U	J0	0.00226	0.0148	1	09/28/2019 18:14	WG1353892
Benzene	U		0.000475	0.00119	1	09/28/2019 18:14	WG1353892
Bromobenzene	U		0.00125	0.0148	1	09/28/2019 18:14	WG1353892
Bromodichloromethane	U		0.000936	0.00297	1	09/28/2019 18:14	WG1353892
Bromochloromethane	U		0.00134	0.00594	1	09/28/2019 18:14	WG1353892
Bromoform	U		0.00710	0.0297	1	09/28/2019 18:14	WG1353892
Bromomethane	U		0.00439	0.0148	1	09/28/2019 18:14	WG1353892
n-Butylbenzene	U		0.00456	0.0148	1	09/28/2019 18:14	WG1353892
sec-Butylbenzene	U		0.00300	0.0148	1	09/28/2019 18:14	WG1353892
tert-Butylbenzene	U		0.00184	0.00594	1	09/28/2019 18:14	WG1353892
Carbon disulfide	U		0.00482	0.0148	1	09/28/2019 18:14	WG1353892
Carbon tetrachloride	U		0.00128	0.00594	1	09/28/2019 18:14	WG1353892
Chlorobenzene	U		0.000680	0.00297	1	09/28/2019 18:14	WG1353892
Chlorodibromomethane	U		0.000534	0.00297	1	09/28/2019 18:14	WG1353892
Chloroethane	U		0.00128	0.00594	1	09/28/2019 18:14	WG1353892
Chloroform	U		0.000493	0.00297	1	09/28/2019 18:14	WG1353892
Chloromethane	U		0.00165	0.0148	1	09/28/2019 18:14	WG1353892
2-Chlorotoluene	U		0.00109	0.00297	1	09/28/2019 18:14	WG1353892
4-Chlorotoluene	U		0.00134	0.00594	1	09/28/2019 18:14	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00606	0.0297	1	09/28/2019 18:14	WG1353892
1,2-Dibromoethane	U		0.000623	0.00297	1	09/28/2019 18:14	WG1353892
Dibromomethane	U		0.00119	0.00594	1	09/28/2019 18:14	WG1353892
1,2-Dichlorobenzene	U		0.00172	0.00594	1	09/28/2019 18:14	WG1353892
1,3-Dichlorobenzene	U		0.00202	0.00594	1	09/28/2019 18:14	WG1353892
1,4-Dichlorobenzene	U		0.00234	0.00594	1	09/28/2019 18:14	WG1353892
Dichlorodifluoromethane	U		0.000971	0.00297	1	09/28/2019 18:14	WG1353892
1,1-Dichloroethane	U		0.000683	0.00297	1	09/28/2019 18:14	WG1353892
1,2-Dichloroethane	U		0.000564	0.00297	1	09/28/2019 18:14	WG1353892
1,1-Dichloroethene	U		0.000594	0.00297	1	09/28/2019 18:14	WG1353892
cis-1,2-Dichloroethene	U		0.000819	0.00297	1	09/28/2019 18:14	WG1353892
trans-1,2-Dichloroethene	U		0.00170	0.00594	1	09/28/2019 18:14	WG1353892
1,2-Dichloropropane	U		0.00151	0.00594	1	09/28/2019 18:14	WG1353892
1,1-Dichloropropene	U		0.000831	0.00297	1	09/28/2019 18:14	WG1353892
1,3-Dichloropropane	U		0.00208	0.00594	1	09/28/2019 18:14	WG1353892
cis-1,3-Dichloropropene	U		0.000805	0.00297	1	09/28/2019 18:14	WG1353892
trans-1,3-Dichloropropene	U		0.00182	0.00594	1	09/28/2019 18:14	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00166	0.00594	1	09/28/2019 18:14	WG1353892
2,2-Dichloropropane	U		0.000942	0.00297	1	09/28/2019 18:14	WG1353892
Di-isopropyl ether	U		0.000416	0.00119	1	09/28/2019 18:14	WG1353892
Ethylbenzene	U		0.000629	0.00297	1	09/28/2019 18:14	WG1353892
Hexachloro-1,3-butadiene	U		0.0151	0.0297	1	09/28/2019 18:14	WG1353892
2-Hexanone	U		0.0119	0.0297	1	09/28/2019 18:14	WG1353892
n-Hexane	0.00532	J	0.00126	0.00594	1	09/28/2019 18:14	WG1353892
Iodomethane	U		0.00718	0.0148	1	09/28/2019 18:14	WG1353892
Isopropylbenzene	U		0.00102	0.00297	1	09/28/2019 18:14	WG1353892
p-Isopropyltoluene	U		0.00277	0.00594	1	09/28/2019 18:14	WG1353892
2-Butanone (MEK)	U		0.0148	0.0297	1	09/28/2019 18:14	WG1353892
Methylene Chloride	0.00814	B J	0.00789	0.0297	1	09/28/2019 18:14	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0119	0.0297	1	09/28/2019 18:14	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000350	0.00119	1	09/28/2019 18:14	WG1353892
Naphthalene	U		0.00371	0.0148	1	09/28/2019 18:14	WG1353892
n-Propylbenzene	U		0.00140	0.00594	1	09/28/2019 18:14	WG1353892
Styrene	U		0.00324	0.0148	1	09/28/2019 18:14	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000594	0.00297	1	09/28/2019 18:14	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000463	0.00297	1	09/28/2019 18:14	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000802	0.00297	1	09/28/2019 18:14	WG1353892
Tetrachloroethene	U		0.000831	0.00297	1	09/28/2019 18:14	WG1353892
Toluene	0.00874		0.00148	0.00594	1	09/28/2019 18:14	WG1353892
1,2,3-Trichlorobenzene	U		0.000742	0.00297	1	09/28/2019 18:14	WG1353892
1,2,4-Trichlorobenzene	U		0.00572	0.0148	1	09/28/2019 18:14	WG1353892
1,1,1-Trichloroethane	U		0.000327	0.00297	1	09/28/2019 18:14	WG1353892
1,1,2-Trichloroethane	U		0.00105	0.00297	1	09/28/2019 18:14	WG1353892
Trichloroethene	U		0.000475	0.00119	1	09/28/2019 18:14	WG1353892
Trichlorofluoromethane	0.00186	J	0.000594	0.00297	1	09/28/2019 18:14	WG1353892
1,2,3-Trichloropropane	U		0.00606	0.0148	1	09/28/2019 18:14	WG1353892
1,2,4-Trimethylbenzene	U		0.00138	0.00594	1	09/28/2019 18:14	WG1353892
1,2,3-Trimethylbenzene	U		0.00137	0.00594	1	09/28/2019 18:14	WG1353892
1,3,5-Trimethylbenzene	U		0.00128	0.00594	1	09/28/2019 18:14	WG1353892
Vinyl acetate	U		0.00418	0.0148	1	09/28/2019 18:14	WG1353892
Vinyl chloride	U		0.000811	0.00297	1	09/28/2019 18:14	WG1353892
Xylenes, Total	U		0.00568	0.00772	1	09/28/2019 18:14	WG1353892
(S) Toluene-d8	*112*			*75.0-131*		*09/28/2019 18:14*	WG1353892
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*		*09/28/2019 18:14*	WG1353892
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/28/2019 18:14*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.9		1	09/27/2019 13:31	WG1352842

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0568		0.0167	0.0305	1	09/28/2019 18:34	WG1353892
Acrylonitrile	U	J0	0.00232	0.0153	1	09/28/2019 18:34	WG1353892
Benzene	0.0772		0.000488	0.00122	1	09/28/2019 18:34	WG1353892
Bromobenzene	U		0.00128	0.0153	1	09/28/2019 18:34	WG1353892
Bromodichloromethane	U		0.000962	0.00305	1	09/28/2019 18:34	WG1353892
Bromochloromethane	U		0.00138	0.00611	1	09/28/2019 18:34	WG1353892
Bromoform	U		0.00730	0.0305	1	09/28/2019 18:34	WG1353892
Bromomethane	U		0.00452	0.0153	1	09/28/2019 18:34	WG1353892
n-Butylbenzene	U		0.00469	0.0153	1	09/28/2019 18:34	WG1353892
sec-Butylbenzene	U		0.00309	0.0153	1	09/28/2019 18:34	WG1353892
tert-Butylbenzene	U		0.00189	0.00611	1	09/28/2019 18:34	WG1353892
Carbon disulfide	U		0.00496	0.0153	1	09/28/2019 18:34	WG1353892
Carbon tetrachloride	U		0.00132	0.00611	1	09/28/2019 18:34	WG1353892
Chlorobenzene	U		0.000700	0.00305	1	09/28/2019 18:34	WG1353892
Chlorodibromomethane	U		0.000549	0.00305	1	09/28/2019 18:34	WG1353892
Chloroethane	U		0.00132	0.00611	1	09/28/2019 18:34	WG1353892
Chloroform	U		0.000507	0.00305	1	09/28/2019 18:34	WG1353892
Chloromethane	U		0.00170	0.0153	1	09/28/2019 18:34	WG1353892
2-Chlorotoluene	U		0.00112	0.00305	1	09/28/2019 18:34	WG1353892
4-Chlorotoluene	U		0.00138	0.00611	1	09/28/2019 18:34	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00623	0.0305	1	09/28/2019 18:34	WG1353892
1,2-Dibromoethane	U		0.000641	0.00305	1	09/28/2019 18:34	WG1353892
Dibromomethane	U		0.00122	0.00611	1	09/28/2019 18:34	WG1353892
1,2-Dichlorobenzene	U		0.00177	0.00611	1	09/28/2019 18:34	WG1353892
1,3-Dichlorobenzene	U		0.00208	0.00611	1	09/28/2019 18:34	WG1353892
1,4-Dichlorobenzene	U		0.00241	0.00611	1	09/28/2019 18:34	WG1353892
Dichlorodifluoromethane	U		0.000999	0.00305	1	09/28/2019 18:34	WG1353892
1,1-Dichloroethane	U		0.000702	0.00305	1	09/28/2019 18:34	WG1353892
1,2-Dichloroethane	U		0.000580	0.00305	1	09/28/2019 18:34	WG1353892
1,1-Dichloroethene	U		0.000611	0.00305	1	09/28/2019 18:34	WG1353892
cis-1,2-Dichloroethene	U		0.000843	0.00305	1	09/28/2019 18:34	WG1353892
trans-1,2-Dichloroethene	U		0.00175	0.00611	1	09/28/2019 18:34	WG1353892
1,2-Dichloropropane	U		0.00155	0.00611	1	09/28/2019 18:34	WG1353892
1,1-Dichloropropene	U		0.000855	0.00305	1	09/28/2019 18:34	WG1353892
1,3-Dichloropropane	U		0.00214	0.00611	1	09/28/2019 18:34	WG1353892
cis-1,3-Dichloropropene	U		0.000828	0.00305	1	09/28/2019 18:34	WG1353892
trans-1,3-Dichloropropene	U		0.00187	0.00611	1	09/28/2019 18:34	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00171	0.00611	1	09/28/2019 18:34	WG1353892
2,2-Dichloropropane	U		0.000968	0.00305	1	09/28/2019 18:34	WG1353892
Di-isopropyl ether	U		0.000427	0.00122	1	09/28/2019 18:34	WG1353892
Ethylbenzene	U		0.000647	0.00305	1	09/28/2019 18:34	WG1353892
Hexachloro-1,3-butadiene	U		0.0155	0.0305	1	09/28/2019 18:34	WG1353892
2-Hexanone	U		0.0122	0.0305	1	09/28/2019 18:34	WG1353892
n-Hexane	0.0245		0.00129	0.00611	1	09/28/2019 18:34	WG1353892
Iodomethane	U		0.00739	0.0153	1	09/28/2019 18:34	WG1353892
Isopropylbenzene	U		0.00105	0.00305	1	09/28/2019 18:34	WG1353892
p-Isopropyltoluene	U		0.00285	0.00611	1	09/28/2019 18:34	WG1353892
2-Butanone (MEK)	U		0.0153	0.0305	1	09/28/2019 18:34	WG1353892
Methylene Chloride	0.0122	B J	0.00811	0.0305	1	09/28/2019 18:34	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0122	0.0305	1	09/28/2019 18:34	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000360	0.00122	1	09/28/2019 18:34	WG1353892
Naphthalene	U		0.00381	0.0153	1	09/28/2019 18:34	WG1353892
n-Propylbenzene	U		0.00144	0.00611	1	09/28/2019 18:34	WG1353892
Styrene	U		0.00333	0.0153	1	09/28/2019 18:34	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000611	0.00305	1	09/28/2019 18:34	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000476	0.00305	1	09/28/2019 18:34	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000824	0.00305	1	09/28/2019 18:34	WG1353892
Tetrachloroethene	U		0.000855	0.00305	1	09/28/2019 18:34	WG1353892
Toluene	0.00662		0.00153	0.00611	1	09/28/2019 18:34	WG1353892
1,2,3-Trichlorobenzene	U		0.000763	0.00305	1	09/28/2019 18:34	WG1353892
1,2,4-Trichlorobenzene	U		0.00589	0.0153	1	09/28/2019 18:34	WG1353892
1,1,1-Trichloroethane	U		0.000336	0.00305	1	09/28/2019 18:34	WG1353892
1,1,2-Trichloroethane	U		0.00108	0.00305	1	09/28/2019 18:34	WG1353892
Trichloroethene	U		0.000488	0.00122	1	09/28/2019 18:34	WG1353892
Trichlorofluoromethane	0.00575		0.000611	0.00305	1	09/28/2019 18:34	WG1353892
1,2,3-Trichloropropane	U		0.00623	0.0153	1	09/28/2019 18:34	WG1353892
1,2,4-Trimethylbenzene	U		0.00142	0.00611	1	09/28/2019 18:34	WG1353892
1,2,3-Trimethylbenzene	U		0.00140	0.00611	1	09/28/2019 18:34	WG1353892
1,3,5-Trimethylbenzene	U		0.00132	0.00611	1	09/28/2019 18:34	WG1353892
Vinyl acetate	U		0.00430	0.0153	1	09/28/2019 18:34	WG1353892
Vinyl chloride	U		0.000834	0.00305	1	09/28/2019 18:34	WG1353892
Xylenes, Total	U		0.00584	0.00794	1	09/28/2019 18:34	WG1353892
(S) Toluene-d8	*111*			*75.0-131*		*09/28/2019 18:34*	WG1353892
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*		*09/28/2019 18:34*	WG1353892
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/28/2019 18:34*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.2		1	09/27/2019 13:31	WG1352842

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0173	0.0316	1	09/28/2019 18:54	WG1353892
Acrylonitrile	U	J0	0.00240	0.0158	1	09/28/2019 18:54	WG1353892
Benzene	0.0431		0.000505	0.00126	1	09/28/2019 18:54	WG1353892
Bromobenzene	U		0.00133	0.0158	1	09/28/2019 18:54	WG1353892
Bromodichloromethane	U		0.000995	0.00316	1	09/28/2019 18:54	WG1353892
Bromochloromethane	U		0.00143	0.00631	1	09/28/2019 18:54	WG1353892
Bromoform	U		0.00755	0.0316	1	09/28/2019 18:54	WG1353892
Bromomethane	U		0.00467	0.0158	1	09/28/2019 18:54	WG1353892
n-Butylbenzene	U		0.00485	0.0158	1	09/28/2019 18:54	WG1353892
sec-Butylbenzene	U		0.00320	0.0158	1	09/28/2019 18:54	WG1353892
tert-Butylbenzene	U		0.00196	0.00631	1	09/28/2019 18:54	WG1353892
Carbon disulfide	U		0.00513	0.0158	1	09/28/2019 18:54	WG1353892
Carbon tetrachloride	U		0.00136	0.00631	1	09/28/2019 18:54	WG1353892
Chlorobenzene	U		0.000724	0.00316	1	09/28/2019 18:54	WG1353892
Chlorodibromomethane	U		0.000568	0.00316	1	09/28/2019 18:54	WG1353892
Chloroethane	U		0.00136	0.00631	1	09/28/2019 18:54	WG1353892
Chloroform	U		0.000524	0.00316	1	09/28/2019 18:54	WG1353892
Chloromethane	U		0.00176	0.0158	1	09/28/2019 18:54	WG1353892
2-Chlorotoluene	U		0.00116	0.00316	1	09/28/2019 18:54	WG1353892
4-Chlorotoluene	U		0.00143	0.00631	1	09/28/2019 18:54	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00644	0.0316	1	09/28/2019 18:54	WG1353892
1,2-Dibromoethane	U		0.000663	0.00316	1	09/28/2019 18:54	WG1353892
Dibromomethane	U		0.00126	0.00631	1	09/28/2019 18:54	WG1353892
1,2-Dichlorobenzene	U		0.00183	0.00631	1	09/28/2019 18:54	WG1353892
1,3-Dichlorobenzene	U		0.00215	0.00631	1	09/28/2019 18:54	WG1353892
1,4-Dichlorobenzene	U		0.00249	0.00631	1	09/28/2019 18:54	WG1353892
Dichlorodifluoromethane	U		0.00103	0.00316	1	09/28/2019 18:54	WG1353892
1,1-Dichloroethane	U		0.000726	0.00316	1	09/28/2019 18:54	WG1353892
1,2-Dichloroethane	U		0.000600	0.00316	1	09/28/2019 18:54	WG1353892
1,1-Dichloroethene	U		0.000631	0.00316	1	09/28/2019 18:54	WG1353892
cis-1,2-Dichloroethene	0.00211	J	0.000871	0.00316	1	09/28/2019 18:54	WG1353892
trans-1,2-Dichloroethene	U		0.00181	0.00631	1	09/28/2019 18:54	WG1353892
1,2-Dichloropropane	U		0.00160	0.00631	1	09/28/2019 18:54	WG1353892
1,1-Dichloropropene	U		0.000884	0.00316	1	09/28/2019 18:54	WG1353892
1,3-Dichloropropane	U		0.00221	0.00631	1	09/28/2019 18:54	WG1353892
cis-1,3-Dichloropropene	U		0.000856	0.00316	1	09/28/2019 18:54	WG1353892
trans-1,3-Dichloropropene	U		0.00193	0.00631	1	09/28/2019 18:54	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00177	0.00631	1	09/28/2019 18:54	WG1353892
2,2-Dichloropropane	U		0.00100	0.00316	1	09/28/2019 18:54	WG1353892
Di-isopropyl ether	U		0.000442	0.00126	1	09/28/2019 18:54	WG1353892
Ethylbenzene	0.00373		0.000669	0.00316	1	09/28/2019 18:54	WG1353892
Hexachloro-1,3-butadiene	U		0.0160	0.0316	1	09/28/2019 18:54	WG1353892
2-Hexanone	U		0.0126	0.0316	1	09/28/2019 18:54	WG1353892
n-Hexane	0.00237	J	0.00134	0.00631	1	09/28/2019 18:54	WG1353892
Iodomethane	U		0.00764	0.0158	1	09/28/2019 18:54	WG1353892
Isopropylbenzene	U		0.00109	0.00316	1	09/28/2019 18:54	WG1353892
p-Isopropyltoluene	U		0.00294	0.00631	1	09/28/2019 18:54	WG1353892
2-Butanone (MEK)	U		0.0158	0.0316	1	09/28/2019 18:54	WG1353892
Methylene Chloride	0.0109	B J	0.00839	0.0316	1	09/28/2019 18:54	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0126	0.0316	1	09/28/2019 18:54	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000373	0.00126	1	09/28/2019 18:54	WG1353892
Naphthalene	U		0.00394	0.0158	1	09/28/2019 18:54	WG1353892
n-Propylbenzene	U		0.00149	0.00631	1	09/28/2019 18:54	WG1353892
Styrene	U		0.00345	0.0158	1	09/28/2019 18:54	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000631	0.00316	1	09/28/2019 18:54	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000493	0.00316	1	09/28/2019 18:54	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000852	0.00316	1	09/28/2019 18:54	WG1353892
Tetrachloroethene	U		0.000884	0.00316	1	09/28/2019 18:54	WG1353892
Toluene	0.0279		0.00158	0.00631	1	09/28/2019 18:54	WG1353892
1,2,3-Trichlorobenzene	U		0.000789	0.00316	1	09/28/2019 18:54	WG1353892
1,2,4-Trichlorobenzene	U		0.00609	0.0158	1	09/28/2019 18:54	WG1353892
1,1,1-Trichloroethane	U		0.000347	0.00316	1	09/28/2019 18:54	WG1353892
1,1,2-Trichloroethane	U		0.00112	0.00316	1	09/28/2019 18:54	WG1353892
Trichloroethene	U		0.000505	0.00126	1	09/28/2019 18:54	WG1353892
Trichlorofluoromethane	U		0.000631	0.00316	1	09/28/2019 18:54	WG1353892
1,2,3-Trichloropropane	U		0.00644	0.0158	1	09/28/2019 18:54	WG1353892
1,2,4-Trimethylbenzene	U		0.00146	0.00631	1	09/28/2019 18:54	WG1353892
1,2,3-Trimethylbenzene	U		0.00145	0.00631	1	09/28/2019 18:54	WG1353892
1,3,5-Trimethylbenzene	U		0.00136	0.00631	1	09/28/2019 18:54	WG1353892
Vinyl acetate	U		0.00445	0.0158	1	09/28/2019 18:54	WG1353892
Vinyl chloride	U		0.000863	0.00316	1	09/28/2019 18:54	WG1353892
Xylenes, Total	0.0102		0.00604	0.00821	1	09/28/2019 18:54	WG1353892
(S) Toluene-d8	*110*			*75.0-131*		*09/28/2019 18:54*	WG1353892
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/28/2019 18:54*	WG1353892
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/28/2019 18:54*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.2		1	09/27/2019 13:31	WG1352842

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0603		0.0163	0.0297	1	09/28/2019 19:14	WG1353892
Acrylonitrile	U	J0	0.00226	0.0148	1	09/28/2019 19:14	WG1353892
Benzene	0.0132		0.000475	0.00119	1	09/28/2019 19:14	WG1353892
Bromobenzene	U		0.00125	0.0148	1	09/28/2019 19:14	WG1353892
Bromodichloromethane	U		0.000936	0.00297	1	09/28/2019 19:14	WG1353892
Bromochloromethane	U		0.00134	0.00594	1	09/28/2019 19:14	WG1353892
Bromoform	U		0.00710	0.0297	1	09/28/2019 19:14	WG1353892
Bromomethane	U		0.00439	0.0148	1	09/28/2019 19:14	WG1353892
n-Butylbenzene	U		0.00456	0.0148	1	09/28/2019 19:14	WG1353892
sec-Butylbenzene	U		0.00300	0.0148	1	09/28/2019 19:14	WG1353892
tert-Butylbenzene	U		0.00184	0.00594	1	09/28/2019 19:14	WG1353892
Carbon disulfide	U		0.00482	0.0148	1	09/28/2019 19:14	WG1353892
Carbon tetrachloride	U		0.00128	0.00594	1	09/28/2019 19:14	WG1353892
Chlorobenzene	U		0.000680	0.00297	1	09/28/2019 19:14	WG1353892
Chlorodibromomethane	U		0.000534	0.00297	1	09/28/2019 19:14	WG1353892
Chloroethane	U		0.00128	0.00594	1	09/28/2019 19:14	WG1353892
Chloroform	U		0.000493	0.00297	1	09/28/2019 19:14	WG1353892
Chloromethane	U		0.00165	0.0148	1	09/28/2019 19:14	WG1353892
2-Chlorotoluene	U		0.00109	0.00297	1	09/28/2019 19:14	WG1353892
4-Chlorotoluene	U		0.00134	0.00594	1	09/28/2019 19:14	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00606	0.0297	1	09/28/2019 19:14	WG1353892
1,2-Dibromoethane	U		0.000623	0.00297	1	09/28/2019 19:14	WG1353892
Dibromomethane	U		0.00119	0.00594	1	09/28/2019 19:14	WG1353892
1,2-Dichlorobenzene	U		0.00172	0.00594	1	09/28/2019 19:14	WG1353892
1,3-Dichlorobenzene	U		0.00202	0.00594	1	09/28/2019 19:14	WG1353892
1,4-Dichlorobenzene	U		0.00234	0.00594	1	09/28/2019 19:14	WG1353892
Dichlorodifluoromethane	U		0.000971	0.00297	1	09/28/2019 19:14	WG1353892
1,1-Dichloroethane	U		0.000683	0.00297	1	09/28/2019 19:14	WG1353892
1,2-Dichloroethane	U		0.000564	0.00297	1	09/28/2019 19:14	WG1353892
1,1-Dichloroethene	U		0.000594	0.00297	1	09/28/2019 19:14	WG1353892
cis-1,2-Dichloroethene	0.00497		0.000819	0.00297	1	09/28/2019 19:14	WG1353892
trans-1,2-Dichloroethene	U		0.00170	0.00594	1	09/28/2019 19:14	WG1353892
1,2-Dichloropropane	U		0.00151	0.00594	1	09/28/2019 19:14	WG1353892
1,1-Dichloropropene	U		0.000831	0.00297	1	09/28/2019 19:14	WG1353892
1,3-Dichloropropane	U		0.00208	0.00594	1	09/28/2019 19:14	WG1353892
cis-1,3-Dichloropropene	U		0.000805	0.00297	1	09/28/2019 19:14	WG1353892
trans-1,3-Dichloropropene	U		0.00182	0.00594	1	09/28/2019 19:14	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00166	0.00594	1	09/28/2019 19:14	WG1353892
2,2-Dichloropropane	U		0.000942	0.00297	1	09/28/2019 19:14	WG1353892
Di-isopropyl ether	U		0.000416	0.00119	1	09/28/2019 19:14	WG1353892
Ethylbenzene	0.00761		0.000629	0.00297	1	09/28/2019 19:14	WG1353892
Hexachloro-1,3-butadiene	U		0.0151	0.0297	1	09/28/2019 19:14	WG1353892
2-Hexanone	U		0.0119	0.0297	1	09/28/2019 19:14	WG1353892
n-Hexane	0.0341		0.00126	0.00594	1	09/28/2019 19:14	WG1353892
Iodomethane	U		0.00718	0.0148	1	09/28/2019 19:14	WG1353892
Isopropylbenzene	U		0.00102	0.00297	1	09/28/2019 19:14	WG1353892
p-Isopropyltoluene	U		0.00277	0.00594	1	09/28/2019 19:14	WG1353892
2-Butanone (MEK)	U		0.0148	0.0297	1	09/28/2019 19:14	WG1353892
Methylene Chloride	0.00996	B J	0.00789	0.0297	1	09/28/2019 19:14	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0119	0.0297	1	09/28/2019 19:14	WG1353892

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 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000350	0.00119	1	09/28/2019 19:14	WG1353892
Naphthalene	U		0.00371	0.0148	1	09/28/2019 19:14	WG1353892
n-Propylbenzene	U		0.00140	0.00594	1	09/28/2019 19:14	WG1353892
Styrene	U		0.00324	0.0148	1	09/28/2019 19:14	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000594	0.00297	1	09/28/2019 19:14	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000463	0.00297	1	09/28/2019 19:14	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000802	0.00297	1	09/28/2019 19:14	WG1353892
Tetrachloroethene	U		0.000831	0.00297	1	09/28/2019 19:14	WG1353892
Toluene	0.0130		0.00148	0.00594	1	09/28/2019 19:14	WG1353892
1,2,3-Trichlorobenzene	U		0.000742	0.00297	1	09/28/2019 19:14	WG1353892
1,2,4-Trichlorobenzene	U		0.00572	0.0148	1	09/28/2019 19:14	WG1353892
1,1,1-Trichloroethane	U		0.000327	0.00297	1	09/28/2019 19:14	WG1353892
1,1,2-Trichloroethane	U		0.00105	0.00297	1	09/28/2019 19:14	WG1353892
Trichloroethene	U		0.000475	0.00119	1	09/28/2019 19:14	WG1353892
Trichlorofluoromethane	0.00578		0.000594	0.00297	1	09/28/2019 19:14	WG1353892
1,2,3-Trichloropropane	U		0.00606	0.0148	1	09/28/2019 19:14	WG1353892
1,2,4-Trimethylbenzene	U		0.00138	0.00594	1	09/28/2019 19:14	WG1353892
1,2,3-Trimethylbenzene	U		0.00137	0.00594	1	09/28/2019 19:14	WG1353892
1,3,5-Trimethylbenzene	U		0.00128	0.00594	1	09/28/2019 19:14	WG1353892
Vinyl acetate	U		0.00418	0.0148	1	09/28/2019 19:14	WG1353892
Vinyl chloride	U		0.000811	0.00297	1	09/28/2019 19:14	WG1353892
Xylenes, Total	0.0217		0.00568	0.00772	1	09/28/2019 19:14	WG1353892
(S) Toluene-d8	*111*			*75.0-131*		*09/28/2019 19:14*	WG1353892
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/28/2019 19:14*	WG1353892
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/28/2019 19:14*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.4		1	09/27/2019 13:31	WG1352842

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0593		0.0175	0.0319	1	09/28/2019 19:35	WG1353892
Acrylonitrile	U	J0	0.00242	0.0159	1	09/28/2019 19:35	WG1353892
Benzene	0.00411		0.000510	0.00127	1	09/28/2019 19:35	WG1353892
Bromobenzene	U		0.00134	0.0159	1	09/28/2019 19:35	WG1353892
Bromodichloromethane	U		0.00100	0.00319	1	09/28/2019 19:35	WG1353892
Bromochloromethane	U		0.00144	0.00637	1	09/28/2019 19:35	WG1353892
Bromoform	U		0.00762	0.0319	1	09/28/2019 19:35	WG1353892
Bromomethane	U		0.00472	0.0159	1	09/28/2019 19:35	WG1353892
n-Butylbenzene	U		0.00490	0.0159	1	09/28/2019 19:35	WG1353892
sec-Butylbenzene	U		0.00323	0.0159	1	09/28/2019 19:35	WG1353892
tert-Butylbenzene	U		0.00198	0.00637	1	09/28/2019 19:35	WG1353892
Carbon disulfide	U		0.00518	0.0159	1	09/28/2019 19:35	WG1353892
Carbon tetrachloride	U		0.00138	0.00637	1	09/28/2019 19:35	WG1353892
Chlorobenzene	U		0.000730	0.00319	1	09/28/2019 19:35	WG1353892
Chlorodibromomethane	U		0.000574	0.00319	1	09/28/2019 19:35	WG1353892
Chloroethane	U		0.00138	0.00637	1	09/28/2019 19:35	WG1353892
Chloroform	U		0.000529	0.00319	1	09/28/2019 19:35	WG1353892
Chloromethane	U		0.00177	0.0159	1	09/28/2019 19:35	WG1353892
2-Chlorotoluene	U		0.00117	0.00319	1	09/28/2019 19:35	WG1353892
4-Chlorotoluene	U		0.00144	0.00637	1	09/28/2019 19:35	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00650	0.0319	1	09/28/2019 19:35	WG1353892
1,2-Dibromoethane	U		0.000669	0.00319	1	09/28/2019 19:35	WG1353892
Dibromomethane	U		0.00127	0.00637	1	09/28/2019 19:35	WG1353892
1,2-Dichlorobenzene	U		0.00185	0.00637	1	09/28/2019 19:35	WG1353892
1,3-Dichlorobenzene	U		0.00217	0.00637	1	09/28/2019 19:35	WG1353892
1,4-Dichlorobenzene	U		0.00251	0.00637	1	09/28/2019 19:35	WG1353892
Dichlorodifluoromethane	U		0.00104	0.00319	1	09/28/2019 19:35	WG1353892
1,1-Dichloroethane	U		0.000733	0.00319	1	09/28/2019 19:35	WG1353892
1,2-Dichloroethane	U		0.000606	0.00319	1	09/28/2019 19:35	WG1353892
1,1-Dichloroethene	U		0.000637	0.00319	1	09/28/2019 19:35	WG1353892
cis-1,2-Dichloroethene	0.0139		0.000880	0.00319	1	09/28/2019 19:35	WG1353892
trans-1,2-Dichloroethene	U		0.00182	0.00637	1	09/28/2019 19:35	WG1353892
1,2-Dichloropropane	U		0.00162	0.00637	1	09/28/2019 19:35	WG1353892
1,1-Dichloropropene	U		0.000892	0.00319	1	09/28/2019 19:35	WG1353892
1,3-Dichloropropane	U		0.00223	0.00637	1	09/28/2019 19:35	WG1353892
cis-1,3-Dichloropropene	U		0.000864	0.00319	1	09/28/2019 19:35	WG1353892
trans-1,3-Dichloropropene	U		0.00195	0.00637	1	09/28/2019 19:35	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00178	0.00637	1	09/28/2019 19:35	WG1353892
2,2-Dichloropropane	U		0.00101	0.00319	1	09/28/2019 19:35	WG1353892
Di-isopropyl ether	U		0.000446	0.00127	1	09/28/2019 19:35	WG1353892
Ethylbenzene	0.00104	J	0.000676	0.00319	1	09/28/2019 19:35	WG1353892
Hexachloro-1,3-butadiene	U		0.0162	0.0319	1	09/28/2019 19:35	WG1353892
2-Hexanone	U		0.0127	0.0319	1	09/28/2019 19:35	WG1353892
n-Hexane	0.0394		0.00135	0.00637	1	09/28/2019 19:35	WG1353892
Iodomethane	U		0.00771	0.0159	1	09/28/2019 19:35	WG1353892
Isopropylbenzene	U		0.00110	0.00319	1	09/28/2019 19:35	WG1353892
p-Isopropyltoluene	U		0.00297	0.00637	1	09/28/2019 19:35	WG1353892
2-Butanone (MEK)	U		0.0159	0.0319	1	09/28/2019 19:35	WG1353892
Methylene Chloride	0.0124	B J	0.00846	0.0319	1	09/28/2019 19:35	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0127	0.0319	1	09/28/2019 19:35	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000376	0.00127	1	09/28/2019 19:35	WG1353892
Naphthalene	U		0.00398	0.0159	1	09/28/2019 19:35	WG1353892
n-Propylbenzene	U		0.00150	0.00637	1	09/28/2019 19:35	WG1353892
Styrene	U		0.00348	0.0159	1	09/28/2019 19:35	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000637	0.00319	1	09/28/2019 19:35	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000497	0.00319	1	09/28/2019 19:35	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000860	0.00319	1	09/28/2019 19:35	WG1353892
Tetrachloroethene	0.0230		0.000892	0.00319	1	09/28/2019 19:35	WG1353892
Toluene	0.0141		0.00159	0.00637	1	09/28/2019 19:35	WG1353892
1,2,3-Trichlorobenzene	U		0.000797	0.00319	1	09/28/2019 19:35	WG1353892
1,2,4-Trichlorobenzene	U		0.00614	0.0159	1	09/28/2019 19:35	WG1353892
1,1,1-Trichloroethane	U		0.000351	0.00319	1	09/28/2019 19:35	WG1353892
1,1,2-Trichloroethane	U		0.00113	0.00319	1	09/28/2019 19:35	WG1353892
Trichloroethene	0.00875		0.000510	0.00127	1	09/28/2019 19:35	WG1353892
Trichlorofluoromethane	0.00817		0.000637	0.00319	1	09/28/2019 19:35	WG1353892
1,2,3-Trichloropropane	U		0.00650	0.0159	1	09/28/2019 19:35	WG1353892
1,2,4-Trimethylbenzene	U		0.00148	0.00637	1	09/28/2019 19:35	WG1353892
1,2,3-Trimethylbenzene	U		0.00147	0.00637	1	09/28/2019 19:35	WG1353892
1,3,5-Trimethylbenzene	U		0.00138	0.00637	1	09/28/2019 19:35	WG1353892
Vinyl acetate	U		0.00449	0.0159	1	09/28/2019 19:35	WG1353892
Vinyl chloride	U		0.000871	0.00319	1	09/28/2019 19:35	WG1353892
Xylenes, Total	0.00713	J	0.00609	0.00829	1	09/28/2019 19:35	WG1353892
(S) Toluene-d8	*112*			*75.0-131*		*09/28/2019 19:35*	WG1353892
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/28/2019 19:35*	WG1353892
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/28/2019 19:35*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.1		1	09/27/2019 13:31	WG1352842

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0167	0.0305	1	09/28/2019 19:55	WG1353892
Acrylonitrile	U	J0	0.00232	0.0152	1	09/28/2019 19:55	WG1353892
Benzene	U		0.000487	0.00122	1	09/28/2019 19:55	WG1353892
Bromobenzene	U		0.00128	0.0152	1	09/28/2019 19:55	WG1353892
Bromodichloromethane	U		0.000960	0.00305	1	09/28/2019 19:55	WG1353892
Bromochloromethane	U		0.00138	0.00609	1	09/28/2019 19:55	WG1353892
Bromoform	U		0.00729	0.0305	1	09/28/2019 19:55	WG1353892
Bromomethane	U		0.00451	0.0152	1	09/28/2019 19:55	WG1353892
n-Butylbenzene	U		0.00468	0.0152	1	09/28/2019 19:55	WG1353892
sec-Butylbenzene	U		0.00308	0.0152	1	09/28/2019 19:55	WG1353892
tert-Butylbenzene	U		0.00189	0.00609	1	09/28/2019 19:55	WG1353892
Carbon disulfide	U		0.00495	0.0152	1	09/28/2019 19:55	WG1353892
Carbon tetrachloride	U		0.00132	0.00609	1	09/28/2019 19:55	WG1353892
Chlorobenzene	U		0.000698	0.00305	1	09/28/2019 19:55	WG1353892
Chlorodibromomethane	U		0.000548	0.00305	1	09/28/2019 19:55	WG1353892
Chloroethane	U		0.00132	0.00609	1	09/28/2019 19:55	WG1353892
Chloroform	U		0.000506	0.00305	1	09/28/2019 19:55	WG1353892
Chloromethane	U		0.00169	0.0152	1	09/28/2019 19:55	WG1353892
2-Chlorotoluene	U		0.00112	0.00305	1	09/28/2019 19:55	WG1353892
4-Chlorotoluene	U		0.00138	0.00609	1	09/28/2019 19:55	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00621	0.0305	1	09/28/2019 19:55	WG1353892
1,2-Dibromoethane	U		0.000640	0.00305	1	09/28/2019 19:55	WG1353892
Dibromomethane	U		0.00122	0.00609	1	09/28/2019 19:55	WG1353892
1,2-Dichlorobenzene	U		0.00177	0.00609	1	09/28/2019 19:55	WG1353892
1,3-Dichlorobenzene	U		0.00207	0.00609	1	09/28/2019 19:55	WG1353892
1,4-Dichlorobenzene	U		0.00240	0.00609	1	09/28/2019 19:55	WG1353892
Dichlorodifluoromethane	U		0.000997	0.00305	1	09/28/2019 19:55	WG1353892
1,1-Dichloroethane	U		0.000701	0.00305	1	09/28/2019 19:55	WG1353892
1,2-Dichloroethane	U		0.000579	0.00305	1	09/28/2019 19:55	WG1353892
1,1-Dichloroethene	U		0.000609	0.00305	1	09/28/2019 19:55	WG1353892
cis-1,2-Dichloroethene	0.0396		0.000841	0.00305	1	09/28/2019 19:55	WG1353892
trans-1,2-Dichloroethene	U		0.00174	0.00609	1	09/28/2019 19:55	WG1353892
1,2-Dichloropropane	U		0.00155	0.00609	1	09/28/2019 19:55	WG1353892
1,1-Dichloropropene	U		0.000853	0.00305	1	09/28/2019 19:55	WG1353892
1,3-Dichloropropane	U		0.00213	0.00609	1	09/28/2019 19:55	WG1353892
cis-1,3-Dichloropropene	U		0.000826	0.00305	1	09/28/2019 19:55	WG1353892
trans-1,3-Dichloropropene	U		0.00186	0.00609	1	09/28/2019 19:55	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00171	0.00609	1	09/28/2019 19:55	WG1353892
2,2-Dichloropropane	U		0.000966	0.00305	1	09/28/2019 19:55	WG1353892
Di-isopropyl ether	U		0.000426	0.00122	1	09/28/2019 19:55	WG1353892
Ethylbenzene	U		0.000646	0.00305	1	09/28/2019 19:55	WG1353892
Hexachloro-1,3-butadiene	U		0.0155	0.0305	1	09/28/2019 19:55	WG1353892
2-Hexanone	U		0.0122	0.0305	1	09/28/2019 19:55	WG1353892
n-Hexane	0.0362		0.00129	0.00609	1	09/28/2019 19:55	WG1353892
Iodomethane	U		0.00737	0.0152	1	09/28/2019 19:55	WG1353892
Isopropylbenzene	U		0.00105	0.00305	1	09/28/2019 19:55	WG1353892
p-Isopropyltoluene	U		0.00284	0.00609	1	09/28/2019 19:55	WG1353892
2-Butanone (MEK)	U		0.0152	0.0305	1	09/28/2019 19:55	WG1353892
Methylene Chloride	0.00934	B J	0.00809	0.0305	1	09/28/2019 19:55	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0122	0.0305	1	09/28/2019 19:55	WG1353892

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 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000359	0.00122	1	09/28/2019 19:55	WG1353892
Naphthalene	U		0.00380	0.0152	1	09/28/2019 19:55	WG1353892
n-Propylbenzene	U		0.00144	0.00609	1	09/28/2019 19:55	WG1353892
Styrene	U		0.00333	0.0152	1	09/28/2019 19:55	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000609	0.00305	1	09/28/2019 19:55	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000475	0.00305	1	09/28/2019 19:55	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000823	0.00305	1	09/28/2019 19:55	WG1353892
Tetrachloroethene	U		0.000853	0.00305	1	09/28/2019 19:55	WG1353892
Toluene	0.0148		0.00152	0.00609	1	09/28/2019 19:55	WG1353892
1,2,3-Trichlorobenzene	U		0.000762	0.00305	1	09/28/2019 19:55	WG1353892
1,2,4-Trichlorobenzene	U		0.00587	0.0152	1	09/28/2019 19:55	WG1353892
1,1,1-Trichloroethane	U		0.000335	0.00305	1	09/28/2019 19:55	WG1353892
1,1,2-Trichloroethane	U		0.00108	0.00305	1	09/28/2019 19:55	WG1353892
Trichloroethene	U		0.000487	0.00122	1	09/28/2019 19:55	WG1353892
Trichlorofluoromethane	0.00749		0.000609	0.00305	1	09/28/2019 19:55	WG1353892
1,2,3-Trichloropropane	U		0.00621	0.0152	1	09/28/2019 19:55	WG1353892
1,2,4-Trimethylbenzene	U		0.00141	0.00609	1	09/28/2019 19:55	WG1353892
1,2,3-Trimethylbenzene	U		0.00140	0.00609	1	09/28/2019 19:55	WG1353892
1,3,5-Trimethylbenzene	U		0.00132	0.00609	1	09/28/2019 19:55	WG1353892
Vinyl acetate	U		0.00429	0.0152	1	09/28/2019 19:55	WG1353892
Vinyl chloride	U		0.000832	0.00305	1	09/28/2019 19:55	WG1353892
Xylenes, Total	U		0.00582	0.00792	1	09/28/2019 19:55	WG1353892
(S) Toluene-d8	*111*			*75.0-131*		*09/28/2019 19:55*	WG1353892
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/28/2019 19:55*	WG1353892
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*09/28/2019 19:55*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.3		1	09/27/2019 13:31	WG1352842

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0499		0.0152	0.0277	1	09/28/2019 20:15	WG1353892
Acrylonitrile	U	J0	0.00210	0.0138	1	09/28/2019 20:15	WG1353892
Benzene	0.000448	J	0.000443	0.00111	1	09/28/2019 20:15	WG1353892
Bromobenzene	U		0.00116	0.0138	1	09/28/2019 20:15	WG1353892
Bromodichloromethane	U		0.000873	0.00277	1	09/28/2019 20:15	WG1353892
Bromochloromethane	U		0.00125	0.00554	1	09/28/2019 20:15	WG1353892
Bromoform	U		0.00662	0.0277	1	09/28/2019 20:15	WG1353892
Bromomethane	U		0.00410	0.0138	1	09/28/2019 20:15	WG1353892
n-Butylbenzene	U		0.00425	0.0138	1	09/28/2019 20:15	WG1353892
sec-Butylbenzene	U		0.00280	0.0138	1	09/28/2019 20:15	WG1353892
tert-Butylbenzene	U		0.00172	0.00554	1	09/28/2019 20:15	WG1353892
Carbon disulfide	U		0.00450	0.0138	1	09/28/2019 20:15	WG1353892
Carbon tetrachloride	U		0.00120	0.00554	1	09/28/2019 20:15	WG1353892
Chlorobenzene	U		0.000635	0.00277	1	09/28/2019 20:15	WG1353892
Chlorodibromomethane	U		0.000498	0.00277	1	09/28/2019 20:15	WG1353892
Chloroethane	U		0.00120	0.00554	1	09/28/2019 20:15	WG1353892
Chloroform	U		0.000460	0.00277	1	09/28/2019 20:15	WG1353892
Chloromethane	U		0.00154	0.0138	1	09/28/2019 20:15	WG1353892
2-Chlorotoluene	U		0.00102	0.00277	1	09/28/2019 20:15	WG1353892
4-Chlorotoluene	U		0.00125	0.00554	1	09/28/2019 20:15	WG1353892
1,2-Dibromo-3-Chloropropane	U		0.00565	0.0277	1	09/28/2019 20:15	WG1353892
1,2-Dibromoethane	U		0.000582	0.00277	1	09/28/2019 20:15	WG1353892
Dibromomethane	U		0.00111	0.00554	1	09/28/2019 20:15	WG1353892
1,2-Dichlorobenzene	U		0.00161	0.00554	1	09/28/2019 20:15	WG1353892
1,3-Dichlorobenzene	U		0.00188	0.00554	1	09/28/2019 20:15	WG1353892
1,4-Dichlorobenzene	U		0.00218	0.00554	1	09/28/2019 20:15	WG1353892
Dichlorodifluoromethane	U		0.000906	0.00277	1	09/28/2019 20:15	WG1353892
1,1-Dichloroethane	0.00211	J	0.000637	0.00277	1	09/28/2019 20:15	WG1353892
1,2-Dichloroethane	U		0.000526	0.00277	1	09/28/2019 20:15	WG1353892
1,1-Dichloroethene	0.00162	J	0.000554	0.00277	1	09/28/2019 20:15	WG1353892
cis-1,2-Dichloroethene	0.194		0.000764	0.00277	1	09/28/2019 20:15	WG1353892
trans-1,2-Dichloroethene	U		0.00158	0.00554	1	09/28/2019 20:15	WG1353892
1,2-Dichloropropane	U		0.00141	0.00554	1	09/28/2019 20:15	WG1353892
1,1-Dichloropropene	U		0.000775	0.00277	1	09/28/2019 20:15	WG1353892
1,3-Dichloropropane	U		0.00194	0.00554	1	09/28/2019 20:15	WG1353892
cis-1,3-Dichloropropene	U		0.000751	0.00277	1	09/28/2019 20:15	WG1353892
trans-1,3-Dichloropropene	U		0.00169	0.00554	1	09/28/2019 20:15	WG1353892
trans-1,4-Dichloro-2-butene	U		0.00155	0.00554	1	09/28/2019 20:15	WG1353892
2,2-Dichloropropane	U		0.000878	0.00277	1	09/28/2019 20:15	WG1353892
Di-isopropyl ether	U		0.000388	0.00111	1	09/28/2019 20:15	WG1353892
Ethylbenzene	U		0.000587	0.00277	1	09/28/2019 20:15	WG1353892
Hexachloro-1,3-butadiene	U		0.0141	0.0277	1	09/28/2019 20:15	WG1353892
2-Hexanone	U		0.0111	0.0277	1	09/28/2019 20:15	WG1353892
n-Hexane	0.0194		0.00117	0.00554	1	09/28/2019 20:15	WG1353892
Iodomethane	U		0.00670	0.0138	1	09/28/2019 20:15	WG1353892
Isopropylbenzene	U		0.000956	0.00277	1	09/28/2019 20:15	WG1353892
p-Isopropyltoluene	U		0.00258	0.00554	1	09/28/2019 20:15	WG1353892
2-Butanone (MEK)	U		0.0138	0.0277	1	09/28/2019 20:15	WG1353892
Methylene Chloride	0.00915	B J	0.00735	0.0277	1	09/28/2019 20:15	WG1353892
4-Methyl-2-pentanone (MIBK)	U		0.0111	0.0277	1	09/28/2019 20:15	WG1353892

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000327	0.00111	1	09/28/2019 20:15	WG1353892
Naphthalene	U		0.00346	0.0138	1	09/28/2019 20:15	WG1353892
n-Propylbenzene	U		0.00131	0.00554	1	09/28/2019 20:15	WG1353892
Styrene	U		0.00302	0.0138	1	09/28/2019 20:15	WG1353892
1,1,1,2-Tetrachloroethane	U		0.000554	0.00277	1	09/28/2019 20:15	WG1353892
1,1,2,2-Tetrachloroethane	U		0.000432	0.00277	1	09/28/2019 20:15	WG1353892
1,1,2-Trichlorotrifluoroethane	U		0.000748	0.00277	1	09/28/2019 20:15	WG1353892
Tetrachloroethene	0.0181		0.000775	0.00277	1	09/28/2019 20:15	WG1353892
Toluene	0.00954		0.00138	0.00554	1	09/28/2019 20:15	WG1353892
1,2,3-Trichlorobenzene	U		0.000692	0.00277	1	09/28/2019 20:15	WG1353892
1,2,4-Trichlorobenzene	U		0.00534	0.0138	1	09/28/2019 20:15	WG1353892
1,1,1-Trichloroethane	U		0.000305	0.00277	1	09/28/2019 20:15	WG1353892
1,1,2-Trichloroethane	U		0.000978	0.00277	1	09/28/2019 20:15	WG1353892
Trichloroethene	0.00318		0.000443	0.00111	1	09/28/2019 20:15	WG1353892
Trichlorofluoromethane	0.00458		0.000554	0.00277	1	09/28/2019 20:15	WG1353892
1,2,3-Trichloropropane	U		0.00565	0.0138	1	09/28/2019 20:15	WG1353892
1,2,4-Trimethylbenzene	U		0.00128	0.00554	1	09/28/2019 20:15	WG1353892
1,2,3-Trimethylbenzene	U		0.00127	0.00554	1	09/28/2019 20:15	WG1353892
1,3,5-Trimethylbenzene	U		0.00120	0.00554	1	09/28/2019 20:15	WG1353892
Vinyl acetate	U		0.00390	0.0138	1	09/28/2019 20:15	WG1353892
Vinyl chloride	U		0.000757	0.00277	1	09/28/2019 20:15	WG1353892
Xylenes, Total	U		0.00529	0.00720	1	09/28/2019 20:15	WG1353892
(S) Toluene-d8	*112*			*75.0-131*		*09/28/2019 20:15*	WG1353892
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/28/2019 20:15*	WG1353892
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/28/2019 20:15*	WG1353892

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.3		1	09/27/2019 13:31	WG1352842

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0428		0.0167	0.0304	1	09/29/2019 00:40	WG1354017
Acrylonitrile	U	J0	0.00231	0.0152	1	09/29/2019 00:40	WG1354017
Benzene	U		0.000486	0.00122	1	09/29/2019 00:40	WG1354017
Bromobenzene	U		0.00128	0.0152	1	09/29/2019 00:40	WG1354017
Bromodichloromethane	U		0.000958	0.00304	1	09/29/2019 00:40	WG1354017
Bromochloromethane	U		0.00137	0.00608	1	09/29/2019 00:40	WG1354017
Bromoform	U		0.00727	0.0304	1	09/29/2019 00:40	WG1354017
Bromomethane	U		0.00450	0.0152	1	09/29/2019 00:40	WG1354017
n-Butylbenzene	U		0.00467	0.0152	1	09/29/2019 00:40	WG1354017
sec-Butylbenzene	U		0.00308	0.0152	1	09/29/2019 00:40	WG1354017
tert-Butylbenzene	U		0.00188	0.00608	1	09/29/2019 00:40	WG1354017
Carbon disulfide	U		0.00494	0.0152	1	09/29/2019 00:40	WG1354017
Carbon tetrachloride	U		0.00131	0.00608	1	09/29/2019 00:40	WG1354017
Chlorobenzene	U		0.000696	0.00304	1	09/29/2019 00:40	WG1354017
Chlorodibromomethane	U		0.000547	0.00304	1	09/29/2019 00:40	WG1354017
Chloroethane	U		0.00131	0.00608	1	09/29/2019 00:40	WG1354017
Chloroform	U		0.000504	0.00304	1	09/29/2019 00:40	WG1354017
Chloromethane	U		0.00169	0.0152	1	09/29/2019 00:40	WG1354017
2-Chlorotoluene	U		0.00112	0.00304	1	09/29/2019 00:40	WG1354017
4-Chlorotoluene	U		0.00137	0.00608	1	09/29/2019 00:40	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.00620	0.0304	1	09/29/2019 00:40	WG1354017
1,2-Dibromoethane	U		0.000638	0.00304	1	09/29/2019 00:40	WG1354017
Dibromomethane	U		0.00122	0.00608	1	09/29/2019 00:40	WG1354017
1,2-Dichlorobenzene	U		0.00176	0.00608	1	09/29/2019 00:40	WG1354017
1,3-Dichlorobenzene	U		0.00207	0.00608	1	09/29/2019 00:40	WG1354017
1,4-Dichlorobenzene	U		0.00239	0.00608	1	09/29/2019 00:40	WG1354017
Dichlorodifluoromethane	U		0.000994	0.00304	1	09/29/2019 00:40	WG1354017
1,1-Dichloroethane	U		0.000699	0.00304	1	09/29/2019 00:40	WG1354017
1,2-Dichloroethane	U		0.000577	0.00304	1	09/29/2019 00:40	WG1354017
1,1-Dichloroethene	U		0.000608	0.00304	1	09/29/2019 00:40	WG1354017
cis-1,2-Dichloroethene	0.00625		0.000839	0.00304	1	09/29/2019 00:40	WG1354017
trans-1,2-Dichloroethene	U		0.00174	0.00608	1	09/29/2019 00:40	WG1354017
1,2-Dichloropropane	U		0.00154	0.00608	1	09/29/2019 00:40	WG1354017
1,1-Dichloropropene	U		0.000851	0.00304	1	09/29/2019 00:40	WG1354017
1,3-Dichloropropane	U		0.00213	0.00608	1	09/29/2019 00:40	WG1354017
cis-1,3-Dichloropropene	U		0.000824	0.00304	1	09/29/2019 00:40	WG1354017
trans-1,3-Dichloropropene	U		0.00186	0.00608	1	09/29/2019 00:40	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00170	0.00608	1	09/29/2019 00:40	WG1354017
2,2-Dichloropropane	U		0.000964	0.00304	1	09/29/2019 00:40	WG1354017
Di-isopropyl ether	U		0.000425	0.00122	1	09/29/2019 00:40	WG1354017
Ethylbenzene	U		0.000644	0.00304	1	09/29/2019 00:40	WG1354017
Hexachloro-1,3-butadiene	U		0.0154	0.0304	1	09/29/2019 00:40	WG1354017
2-Hexanone	U		0.0122	0.0304	1	09/29/2019 00:40	WG1354017
n-Hexane	0.0217	J0	0.00129	0.00608	1	09/29/2019 00:40	WG1354017
Iodomethane	U		0.00735	0.0152	1	09/29/2019 00:40	WG1354017
Isopropylbenzene	U		0.00105	0.00304	1	09/29/2019 00:40	WG1354017
p-Isopropyltoluene	U		0.00283	0.00608	1	09/29/2019 00:40	WG1354017
2-Butanone (MEK)	U		0.0152	0.0304	1	09/29/2019 00:40	WG1354017
Methylene Chloride	0.0102	B J	0.00807	0.0304	1	09/29/2019 00:40	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0122	0.0304	1	09/29/2019 00:40	WG1354017

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000359	0.00122	1	09/29/2019 00:40	WG1354017
Naphthalene	U		0.00379	0.0152	1	09/29/2019 00:40	WG1354017
n-Propylbenzene	U		0.00143	0.00608	1	09/29/2019 00:40	WG1354017
Styrene	U		0.00332	0.0152	1	09/29/2019 00:40	WG1354017
1,1,1,2-Tetrachloroethane	U		0.000608	0.00304	1	09/29/2019 00:40	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.000474	0.00304	1	09/29/2019 00:40	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.000820	0.00304	1	09/29/2019 00:40	WG1354017
Tetrachloroethene	0.0693		0.000851	0.00304	1	09/29/2019 00:40	WG1354017
Toluene	0.00815		0.00152	0.00608	1	09/29/2019 00:40	WG1354017
1,2,3-Trichlorobenzene	U		0.000760	0.00304	1	09/29/2019 00:40	WG1354017
1,2,4-Trichlorobenzene	U		0.00586	0.0152	1	09/29/2019 00:40	WG1354017
1,1,1-Trichloroethane	U		0.000334	0.00304	1	09/29/2019 00:40	WG1354017
1,1,2-Trichloroethane	U		0.00107	0.00304	1	09/29/2019 00:40	WG1354017
Trichloroethene	0.0662		0.000486	0.00122	1	09/29/2019 00:40	WG1354017
Trichlorofluoromethane	0.00576		0.000608	0.00304	1	09/29/2019 00:40	WG1354017
1,2,3-Trichloropropane	U		0.00620	0.0152	1	09/29/2019 00:40	WG1354017
1,2,4-Trimethylbenzene	U		0.00141	0.00608	1	09/29/2019 00:40	WG1354017
1,2,3-Trimethylbenzene	U		0.00140	0.00608	1	09/29/2019 00:40	WG1354017
1,3,5-Trimethylbenzene	U		0.00131	0.00608	1	09/29/2019 00:40	WG1354017
Vinyl acetate	U	J0	0.00428	0.0152	1	09/29/2019 00:40	WG1354017
Vinyl chloride	U		0.000830	0.00304	1	09/29/2019 00:40	WG1354017
Xylenes, Total	U		0.00581	0.00790	1	09/29/2019 00:40	WG1354017
(S) Toluene-d8	*114*			*75.0-131*		*09/29/2019 00:40*	WG1354017
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/29/2019 00:40*	WG1354017
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/29/2019 00:40*	WG1354017

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.1		1	09/27/2019 13:31	WG1352842

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0306		0.0165	0.0301	1	09/29/2019 01:00	WG1354017
Acrylonitrile	U	J0	0.00229	0.0150	1	09/29/2019 01:00	WG1354017
Benzene	U		0.000481	0.00120	1	09/29/2019 01:00	WG1354017
Bromobenzene	U		0.00126	0.0150	1	09/29/2019 01:00	WG1354017
Bromodichloromethane	U		0.000948	0.00301	1	09/29/2019 01:00	WG1354017
Bromochloromethane	U		0.00136	0.00601	1	09/29/2019 01:00	WG1354017
Bromoform	U		0.00719	0.0301	1	09/29/2019 01:00	WG1354017
Bromomethane	U		0.00445	0.0150	1	09/29/2019 01:00	WG1354017
n-Butylbenzene	U		0.00462	0.0150	1	09/29/2019 01:00	WG1354017
sec-Butylbenzene	U		0.00304	0.0150	1	09/29/2019 01:00	WG1354017
tert-Butylbenzene	U		0.00186	0.00601	1	09/29/2019 01:00	WG1354017
Carbon disulfide	U		0.00488	0.0150	1	09/29/2019 01:00	WG1354017
Carbon tetrachloride	U		0.00130	0.00601	1	09/29/2019 01:00	WG1354017
Chlorobenzene	U		0.000689	0.00301	1	09/29/2019 01:00	WG1354017
Chlorodibromomethane	U		0.000541	0.00301	1	09/29/2019 01:00	WG1354017
Chloroethane	U		0.00130	0.00601	1	09/29/2019 01:00	WG1354017
Chloroform	U		0.000499	0.00301	1	09/29/2019 01:00	WG1354017
Chloromethane	U		0.00167	0.0150	1	09/29/2019 01:00	WG1354017
2-Chlorotoluene	U		0.00111	0.00301	1	09/29/2019 01:00	WG1354017
4-Chlorotoluene	U		0.00136	0.00601	1	09/29/2019 01:00	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.00614	0.0301	1	09/29/2019 01:00	WG1354017
1,2-Dibromoethane	U		0.000632	0.00301	1	09/29/2019 01:00	WG1354017
Dibromomethane	U		0.00120	0.00601	1	09/29/2019 01:00	WG1354017
1,2-Dichlorobenzene	U		0.00174	0.00601	1	09/29/2019 01:00	WG1354017
1,3-Dichlorobenzene	U		0.00205	0.00601	1	09/29/2019 01:00	WG1354017
1,4-Dichlorobenzene	U		0.00237	0.00601	1	09/29/2019 01:00	WG1354017
Dichlorodifluoromethane	U		0.000984	0.00301	1	09/29/2019 01:00	WG1354017
1,1-Dichloroethane	U		0.000692	0.00301	1	09/29/2019 01:00	WG1354017
1,2-Dichloroethane	U		0.000571	0.00301	1	09/29/2019 01:00	WG1354017
1,1-Dichloroethene	U		0.000601	0.00301	1	09/29/2019 01:00	WG1354017
cis-1,2-Dichloroethene	0.0308		0.000830	0.00301	1	09/29/2019 01:00	WG1354017
trans-1,2-Dichloroethene	U		0.00172	0.00601	1	09/29/2019 01:00	WG1354017
1,2-Dichloropropane	U		0.00153	0.00601	1	09/29/2019 01:00	WG1354017
1,1-Dichloropropene	U		0.000842	0.00301	1	09/29/2019 01:00	WG1354017
1,3-Dichloropropane	U		0.00211	0.00601	1	09/29/2019 01:00	WG1354017
cis-1,3-Dichloropropene	U		0.000816	0.00301	1	09/29/2019 01:00	WG1354017
trans-1,3-Dichloropropene	U		0.00184	0.00601	1	09/29/2019 01:00	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00168	0.00601	1	09/29/2019 01:00	WG1354017
2,2-Dichloropropane	U		0.000954	0.00301	1	09/29/2019 01:00	WG1354017
Di-isopropyl ether	U		0.000421	0.00120	1	09/29/2019 01:00	WG1354017
Ethylbenzene	U		0.000638	0.00301	1	09/29/2019 01:00	WG1354017
Hexachloro-1,3-butadiene	U		0.0153	0.0301	1	09/29/2019 01:00	WG1354017
2-Hexanone	U		0.0120	0.0301	1	09/29/2019 01:00	WG1354017
n-Hexane	0.0273	J0	0.00128	0.00601	1	09/29/2019 01:00	WG1354017
Iodomethane	U		0.00728	0.0150	1	09/29/2019 01:00	WG1354017
Isopropylbenzene	U		0.00104	0.00301	1	09/29/2019 01:00	WG1354017
p-Isopropyltoluene	U		0.00280	0.00601	1	09/29/2019 01:00	WG1354017
2-Butanone (MEK)	U		0.0150	0.0301	1	09/29/2019 01:00	WG1354017
Methylene Chloride	0.0113	B J	0.00799	0.0301	1	09/29/2019 01:00	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.0301	1	09/29/2019 01:00	WG1354017

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000355	0.00120	1	09/29/2019 01:00	WG1354017
Naphthalene	U		0.00375	0.0150	1	09/29/2019 01:00	WG1354017
n-Propylbenzene	U		0.00142	0.00601	1	09/29/2019 01:00	WG1354017
Styrene	U		0.00328	0.0150	1	09/29/2019 01:00	WG1354017
1,1,1,2-Tetrachloroethane	U		0.000601	0.00301	1	09/29/2019 01:00	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.000469	0.00301	1	09/29/2019 01:00	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.000812	0.00301	1	09/29/2019 01:00	WG1354017
Tetrachloroethene	0.0387		0.000842	0.00301	1	09/29/2019 01:00	WG1354017
Toluene	0.0106		0.00150	0.00601	1	09/29/2019 01:00	WG1354017
1,2,3-Trichlorobenzene	U		0.000752	0.00301	1	09/29/2019 01:00	WG1354017
1,2,4-Trichlorobenzene	U		0.00580	0.0150	1	09/29/2019 01:00	WG1354017
1,1,1-Trichloroethane	U		0.000331	0.00301	1	09/29/2019 01:00	WG1354017
1,1,2-Trichloroethane	U		0.00106	0.00301	1	09/29/2019 01:00	WG1354017
Trichloroethene	0.0562		0.000481	0.00120	1	09/29/2019 01:00	WG1354017
Trichlorofluoromethane	0.00588		0.000601	0.00301	1	09/29/2019 01:00	WG1354017
1,2,3-Trichloropropane	U		0.00614	0.0150	1	09/29/2019 01:00	WG1354017
1,2,4-Trimethylbenzene	U		0.00140	0.00601	1	09/29/2019 01:00	WG1354017
1,2,3-Trimethylbenzene	U		0.00138	0.00601	1	09/29/2019 01:00	WG1354017
1,3,5-Trimethylbenzene	U		0.00130	0.00601	1	09/29/2019 01:00	WG1354017
Vinyl acetate	U	J0	0.00423	0.0150	1	09/29/2019 01:00	WG1354017
Vinyl chloride	U		0.000822	0.00301	1	09/29/2019 01:00	WG1354017
Xylenes, Total	U		0.00575	0.00782	1	09/29/2019 01:00	WG1354017
(S) Toluene-d8	*114*			*75.0-131*		*09/29/2019 01:00*	WG1354017
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*09/29/2019 01:00*	WG1354017
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/29/2019 01:00*	WG1354017

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	09/28/2019 21:19	WG1353837
Acrylonitrile	U		0.873	5.00	1	09/28/2019 21:19	WG1353837
Benzene	U		0.0896	0.500	1	09/28/2019 21:19	WG1353837
Bromobenzene	U		0.133	0.500	1	09/28/2019 21:19	WG1353837
Bromodichloromethane	U		0.0800	0.500	1	09/28/2019 21:19	WG1353837
Bromochloromethane	U		0.145	0.500	1	09/28/2019 21:19	WG1353837
Bromoform	U		0.186	0.500	1	09/28/2019 21:19	WG1353837
Bromomethane	U		0.157	2.50	1	09/28/2019 21:19	WG1353837
n-Butylbenzene	U		0.143	0.500	1	09/28/2019 21:19	WG1353837
sec-Butylbenzene	U		0.134	0.500	1	09/28/2019 21:19	WG1353837
tert-Butylbenzene	U		0.183	0.500	1	09/28/2019 21:19	WG1353837
Carbon disulfide	U		0.101	0.500	1	09/28/2019 21:19	WG1353837
Carbon tetrachloride	U		0.159	0.500	1	09/28/2019 21:19	WG1353837
Chlorobenzene	U		0.140	0.500	1	09/28/2019 21:19	WG1353837
Chlorodibromomethane	U		0.128	0.500	1	09/28/2019 21:19	WG1353837
Chloroethane	U		0.141	2.50	1	09/28/2019 21:19	WG1353837
Chloroform	U		0.0860	0.500	1	09/28/2019 21:19	WG1353837
Chloromethane	U		0.153	1.25	1	09/28/2019 21:19	WG1353837
2-Chlorotoluene	U		0.111	0.500	1	09/28/2019 21:19	WG1353837
4-Chlorotoluene	U		0.0972	0.500	1	09/28/2019 21:19	WG1353837
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/28/2019 21:19	WG1353837
1,2-Dibromoethane	U		0.193	0.500	1	09/28/2019 21:19	WG1353837
Dibromomethane	U		0.117	0.500	1	09/28/2019 21:19	WG1353837
1,2-Dichlorobenzene	U		0.101	0.500	1	09/28/2019 21:19	WG1353837
1,3-Dichlorobenzene	U		0.130	0.500	1	09/28/2019 21:19	WG1353837
1,4-Dichlorobenzene	U		0.121	0.500	1	09/28/2019 21:19	WG1353837
Dichlorodifluoromethane	U		0.127	2.50	1	09/28/2019 21:19	WG1353837
1,1-Dichloroethane	U		0.114	0.500	1	09/28/2019 21:19	WG1353837
1,2-Dichloroethane	U		0.108	0.500	1	09/28/2019 21:19	WG1353837
1,1-Dichloroethene	U		0.188	0.500	1	09/28/2019 21:19	WG1353837
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/28/2019 21:19	WG1353837
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/28/2019 21:19	WG1353837
1,2-Dichloropropane	U		0.190	0.500	1	09/28/2019 21:19	WG1353837
1,1-Dichloropropene	U		0.128	0.500	1	09/28/2019 21:19	WG1353837
1,3-Dichloropropane	U		0.147	1.00	1	09/28/2019 21:19	WG1353837
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/28/2019 21:19	WG1353837
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/28/2019 21:19	WG1353837
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	10/01/2019 13:21	WG1354826
2,2-Dichloropropane	U		0.0929	0.500	1	09/28/2019 21:19	WG1353837
Di-isopropyl ether	U		0.0924	0.500	1	09/28/2019 21:19	WG1353837
Ethylbenzene	U		0.158	0.500	1	09/28/2019 21:19	WG1353837
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/28/2019 21:19	WG1353837
2-Hexanone	U		0.757	5.00	1	09/28/2019 21:19	WG1353837
n-Hexane	U		0.305	5.00	1	09/28/2019 21:19	WG1353837
Iodomethane	U		0.377	10.0	1	09/28/2019 21:19	WG1353837
Isopropylbenzene	U		0.126	0.500	1	09/28/2019 21:19	WG1353837
p-Isopropyltoluene	U		0.138	0.500	1	09/28/2019 21:19	WG1353837
2-Butanone (MEK)	U		1.28	5.00	1	09/28/2019 21:19	WG1353837
Methylene Chloride	U		1.07	2.50	1	09/28/2019 21:19	WG1353837
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/28/2019 21:19	WG1353837
Methyl tert-butyl ether	U		0.102	0.500	1	09/28/2019 21:19	WG1353837
Naphthalene	U		0.174	2.50	1	09/28/2019 21:19	WG1353837
n-Propylbenzene	U		0.162	0.500	1	09/28/2019 21:19	WG1353837
Styrene	U		0.117	0.500	1	09/28/2019 21:19	WG1353837
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/28/2019 21:19	WG1353837
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/28/2019 21:19	WG1353837

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/28/2019 21:19	WG1353837
Tetrachloroethene	U		0.199	0.500	1	09/28/2019 21:19	WG1353837
Toluene	U		0.412	0.500	1	09/28/2019 21:19	WG1353837
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/28/2019 21:19	WG1353837
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/28/2019 21:19	WG1353837
1,1,1-Trichloroethane	0.353	B J	0.0940	0.500	1	09/28/2019 21:19	WG1353837
1,1,2-Trichloroethane	U		0.186	0.500	1	09/28/2019 21:19	WG1353837
Trichloroethene	U		0.153	0.500	1	09/28/2019 21:19	WG1353837
Trichlorofluoromethane	U		0.130	2.50	1	09/28/2019 21:19	WG1353837
1,2,3-Trichloropropane	U		0.247	2.50	1	09/28/2019 21:19	WG1353837
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/28/2019 21:19	WG1353837
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/28/2019 21:19	WG1353837
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/28/2019 21:19	WG1353837
Vinyl acetate	U		0.645	5.00	1	09/28/2019 21:19	WG1353837
Vinyl chloride	U		0.118	0.500	1	09/28/2019 21:19	WG1353837
Xylenes, Total	U		0.316	1.50	1	09/28/2019 21:19	WG1353837
(S) Toluene-d8	*101*			*80.0-120*		*09/28/2019 21:19*	WG1353837
(S) Toluene-d8	*102*			*80.0-120*		*10/01/2019 13:21*	WG1354826
(S) 4-Bromofluorobenzene	*95.9*			*77.0-126*		*09/28/2019 21:19*	WG1353837
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/01/2019 13:21*	WG1354826
(S) 1,2-Dichloroethane-d4	*94.8*			*70.0-130*		*09/28/2019 21:19*	WG1353837
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*10/01/2019 13:21*	WG1354826

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.8		1	09/27/2019 13:31	WG1352842

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0439		0.0172	0.0313	1	09/29/2019 01:21	WG1354017
Acrylonitrile	U	J0	0.00238	0.0157	1	09/29/2019 01:21	WG1354017
Benzene	U		0.000501	0.00125	1	09/29/2019 01:21	WG1354017
Bromobenzene	U		0.00132	0.0157	1	09/29/2019 01:21	WG1354017
Bromodichloromethane	U		0.000988	0.00313	1	09/29/2019 01:21	WG1354017
Bromochloromethane	U		0.00142	0.00627	1	09/29/2019 01:21	WG1354017
Bromoform	U		0.00749	0.0313	1	09/29/2019 01:21	WG1354017
Bromomethane	U		0.00464	0.0157	1	09/29/2019 01:21	WG1354017
n-Butylbenzene	U		0.00481	0.0157	1	09/29/2019 01:21	WG1354017
sec-Butylbenzene	U		0.00317	0.0157	1	09/29/2019 01:21	WG1354017
tert-Butylbenzene	U		0.00194	0.00627	1	09/29/2019 01:21	WG1354017
Carbon disulfide	U		0.00509	0.0157	1	09/29/2019 01:21	WG1354017
Carbon tetrachloride	U		0.00135	0.00627	1	09/29/2019 01:21	WG1354017
Chlorobenzene	U		0.000718	0.00313	1	09/29/2019 01:21	WG1354017
Chlorodibromomethane	U		0.000564	0.00313	1	09/29/2019 01:21	WG1354017
Chloroethane	U		0.00135	0.00627	1	09/29/2019 01:21	WG1354017
Chloroform	U		0.000520	0.00313	1	09/29/2019 01:21	WG1354017
Chloromethane	U		0.00174	0.0157	1	09/29/2019 01:21	WG1354017
2-Chlorotoluene	U		0.00115	0.00313	1	09/29/2019 01:21	WG1354017
4-Chlorotoluene	U		0.00142	0.00627	1	09/29/2019 01:21	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.00639	0.0313	1	09/29/2019 01:21	WG1354017
1,2-Dibromoethane	U		0.000658	0.00313	1	09/29/2019 01:21	WG1354017
Dibromomethane	U		0.00125	0.00627	1	09/29/2019 01:21	WG1354017
1,2-Dichlorobenzene	U		0.00182	0.00627	1	09/29/2019 01:21	WG1354017
1,3-Dichlorobenzene	U		0.00213	0.00627	1	09/29/2019 01:21	WG1354017
1,4-Dichlorobenzene	U		0.00247	0.00627	1	09/29/2019 01:21	WG1354017
Dichlorodifluoromethane	U		0.00103	0.00313	1	09/29/2019 01:21	WG1354017
1,1-Dichloroethane	U		0.000721	0.00313	1	09/29/2019 01:21	WG1354017
1,2-Dichloroethane	U		0.000595	0.00313	1	09/29/2019 01:21	WG1354017
1,1-Dichloroethene	U		0.000627	0.00313	1	09/29/2019 01:21	WG1354017
cis-1,2-Dichloroethene	0.0434		0.000865	0.00313	1	09/29/2019 01:21	WG1354017
trans-1,2-Dichloroethene	U		0.00179	0.00627	1	09/29/2019 01:21	WG1354017
1,2-Dichloropropane	U		0.00159	0.00627	1	09/29/2019 01:21	WG1354017
1,1-Dichloropropene	U		0.000877	0.00313	1	09/29/2019 01:21	WG1354017
1,3-Dichloropropane	U		0.00219	0.00627	1	09/29/2019 01:21	WG1354017
cis-1,3-Dichloropropene	U		0.000850	0.00313	1	09/29/2019 01:21	WG1354017
trans-1,3-Dichloropropene	U		0.00192	0.00627	1	09/29/2019 01:21	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00175	0.00627	1	09/29/2019 01:21	WG1354017
2,2-Dichloropropane	U		0.000994	0.00313	1	09/29/2019 01:21	WG1354017
Di-isopropyl ether	U		0.000439	0.00125	1	09/29/2019 01:21	WG1354017
Ethylbenzene	U		0.000664	0.00313	1	09/29/2019 01:21	WG1354017
Hexachloro-1,3-butadiene	U		0.0159	0.0313	1	09/29/2019 01:21	WG1354017
2-Hexanone	U		0.0125	0.0313	1	09/29/2019 01:21	WG1354017
n-Hexane	0.0305	J0	0.00133	0.00627	1	09/29/2019 01:21	WG1354017
Iodomethane	U		0.00758	0.0157	1	09/29/2019 01:21	WG1354017
Isopropylbenzene	U		0.00108	0.00313	1	09/29/2019 01:21	WG1354017
p-Isopropyltoluene	U		0.00292	0.00627	1	09/29/2019 01:21	WG1354017
2-Butanone (MEK)	U		0.0157	0.0313	1	09/29/2019 01:21	WG1354017
Methylene Chloride	0.0135	B J	0.00832	0.0313	1	09/29/2019 01:21	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0125	0.0313	1	09/29/2019 01:21	WG1354017

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 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000370	0.00125	1	09/29/2019 01:21	WG1354017
Naphthalene	U		0.00391	0.0157	1	09/29/2019 01:21	WG1354017
n-Propylbenzene	U		0.00148	0.00627	1	09/29/2019 01:21	WG1354017
Styrene	U		0.00342	0.0157	1	09/29/2019 01:21	WG1354017
1,1,1,2-Tetrachloroethane	U		0.000627	0.00313	1	09/29/2019 01:21	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.000489	0.00313	1	09/29/2019 01:21	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.000846	0.00313	1	09/29/2019 01:21	WG1354017
Tetrachloroethene	0.000894	J	0.000877	0.00313	1	09/29/2019 01:21	WG1354017
Toluene	0.0128		0.00157	0.00627	1	09/29/2019 01:21	WG1354017
1,2,3-Trichlorobenzene	U		0.000783	0.00313	1	09/29/2019 01:21	WG1354017
1,2,4-Trichlorobenzene	U		0.00604	0.0157	1	09/29/2019 01:21	WG1354017
1,1,1-Trichloroethane	U		0.000345	0.00313	1	09/29/2019 01:21	WG1354017
1,1,2-Trichloroethane	U		0.00111	0.00313	1	09/29/2019 01:21	WG1354017
Trichloroethene	U		0.000501	0.00125	1	09/29/2019 01:21	WG1354017
Trichlorofluoromethane	0.00788		0.000627	0.00313	1	09/29/2019 01:21	WG1354017
1,2,3-Trichloropropane	U		0.00639	0.0157	1	09/29/2019 01:21	WG1354017
1,2,4-Trimethylbenzene	U		0.00145	0.00627	1	09/29/2019 01:21	WG1354017
1,2,3-Trimethylbenzene	U		0.00144	0.00627	1	09/29/2019 01:21	WG1354017
1,3,5-Trimethylbenzene	U		0.00135	0.00627	1	09/29/2019 01:21	WG1354017
Vinyl acetate	U	J0	0.00441	0.0157	1	09/29/2019 01:21	WG1354017
Vinyl chloride	U		0.000856	0.00313	1	09/29/2019 01:21	WG1354017
Xylenes, Total	U		0.00599	0.00815	1	09/29/2019 01:21	WG1354017
(S) Toluene-d8	*110*			*75.0-131*		*09/29/2019 01:21*	WG1354017
(S) 4-Bromofluorobenzene	*99.0*			*67.0-138*		*09/29/2019 01:21*	WG1354017
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/29/2019 01:21*	WG1354017

Method Blank (MB)

(MB) R3455864-1 09/27/19 13:49

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

L1141869-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1141869-08 09/27/19 13:49 • (DUP) R3455864-3 09/27/19 13:49

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.2	82.9	1	1.57		10

Laboratory Control Sample (LCS)

(LCS) R3455864-2 09/27/19 13:49

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	49.9	99.9	85.0-115	

Method Blank (MB)

(MB) R3455857-1 09/27/19 13:31

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

L1141877-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1141877-01 09/27/19 13:31 • (DUP) R3455857-3 09/27/19 13:31

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	80.6	80.5	1	0.147		10

Laboratory Control Sample (LCS)

(LCS) R3455857-2 09/27/19 13:31

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) R3456065-3 09/28/19 20:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500

Method Blank (MB)

(MB) R3456065-3 09/28/19 20:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	0.395	J	0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*100*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*

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

(LCS) R3456065-1 09/28/19 19:14 • (LCSD) R3456065-2 09/28/19 19:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	120	139	96.2	111	19.0-160			14.2	27
Acrylonitrile	125	117	117	93.3	93.5	55.0-149			0.161	20
Benzene	25.0	25.8	26.3	103	105	70.0-123			1.82	20
Bromobenzene	25.0	25.7	26.6	103	107	73.0-121			3.68	20
Bromodichloromethane	25.0	27.2	28.0	109	112	75.0-120			2.89	20
Bromochloromethane	25.0	25.2	26.0	101	104	76.0-122			3.36	20
Bromoform	25.0	25.2	25.8	101	103	68.0-132			2.39	20
Bromomethane	25.0	23.0	22.7	92.1	90.8	10.0-160			1.44	25
n-Butylbenzene	25.0	27.3	27.9	109	111	73.0-125			1.93	20
sec-Butylbenzene	25.0	29.4	29.7	117	119	75.0-125			1.08	20
tert-Butylbenzene	25.0	24.6	25.3	98.5	101	76.0-124			2.84	20
Carbon disulfide	25.0	25.5	25.9	102	104	61.0-128			1.81	20
Carbon tetrachloride	25.0	23.2	23.6	92.8	94.3	68.0-126			1.60	20
Chlorobenzene	25.0	27.9	26.3	112	105	80.0-121			6.05	20
Chlorodibromomethane	25.0	26.4	26.1	106	104	77.0-125			1.26	20
Chloroethane	25.0	22.2	22.2	88.9	88.8	47.0-150			0.114	20
Chloroform	25.0	24.3	24.6	97.0	98.2	73.0-120			1.23	20
Chloromethane	25.0	22.6	22.8	90.5	91.1	41.0-142			0.643	20
2-Chlorotoluene	25.0	26.7	27.5	107	110	76.0-123			2.94	20
4-Chlorotoluene	25.0	27.1	28.1	108	113	75.0-122			3.84	20
1,2-Dibromo-3-Chloropropane	25.0	26.2	27.5	105	110	58.0-134			4.78	20
1,2-Dibromoethane	25.0	26.0	25.6	104	102	80.0-122			1.73	20
Dibromomethane	25.0	26.1	26.4	105	106	80.0-120			1.04	20
1,2-Dichlorobenzene	25.0	26.4	27.1	106	109	79.0-121			2.72	20
1,3-Dichlorobenzene	25.0	25.4	26.6	102	106	79.0-120			4.31	20
1,4-Dichlorobenzene	25.0	26.0	26.8	104	107	79.0-120			2.94	20
Dichlorodifluoromethane	25.0	24.0	23.9	96.1	95.6	51.0-149			0.448	20
1,1-Dichloroethane	25.0	24.3	24.6	97.1	98.3	70.0-126			1.27	20
1,2-Dichloroethane	25.0	26.0	26.4	104	106	70.0-128			1.75	20
1,1-Dichloroethene	25.0	25.6	25.6	102	102	71.0-124			0.119	20
cis-1,2-Dichloroethene	25.0	24.9	24.8	99.6	99.0	73.0-120			0.619	20
trans-1,2-Dichloroethene	25.0	24.8	24.9	99.3	99.6	73.0-120			0.336	20
1,2-Dichloropropane	25.0	27.3	27.9	109	112	77.0-125			2.27	20
1,1-Dichloropropene	25.0	26.4	25.9	106	104	74.0-126			1.99	20
1,3-Dichloropropane	25.0	27.2	26.2	109	105	80.0-120			3.84	20
cis-1,3-Dichloropropene	25.0	27.1	28.0	108	112	80.0-123			3.36	20
trans-1,3-Dichloropropene	25.0	28.6	27.7	114	111	78.0-124			3.12	20
2,2-Dichloropropane	25.0	22.1	22.9	88.6	91.6	58.0-130			3.36	20
Di-isopropyl ether	25.0	24.7	25.3	98.9	101	58.0-138			2.52	20
Ethylbenzene	25.0	27.5	26.2	110	105	79.0-123			4.84	20

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

(LCS) R3456065-1 09/28/19 19:14 • (LCSD) R3456065-2 09/28/19 19:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	25.0	25.1	26.8	101	107	54.0-138			6.26	20
2-Hexanone	125	128	130	103	104	67.0-149			1.22	20
n-Hexane	25.0	25.3	26.0	101	104	57.0-133			2.65	20
Iodomethane	125	120	121	95.8	96.5	33.0-147			0.736	26
Isopropylbenzene	25.0	28.5	26.4	114	106	76.0-127			7.62	20
p-Isopropyltoluene	25.0	28.5	28.5	114	114	76.0-125			0.0960	20
2-Butanone (MEK)	125	128	138	102	110	44.0-160			7.90	20
Methylene Chloride	25.0	23.4	23.4	93.5	93.6	67.0-120			0.123	20
4-Methyl-2-pentanone (MIBK)	125	133	130	106	104	68.0-142			2.07	20
Methyl tert-butyl ether	25.0	22.7	22.9	90.9	91.5	68.0-125			0.690	20
Naphthalene	25.0	28.1	29.7	112	119	54.0-135			5.63	20
n-Propylbenzene	25.0	27.1	27.7	109	111	77.0-124			2.04	20
Styrene	25.0	27.0	26.3	108	105	73.0-130			2.56	20
1,1,1,2-Tetrachloroethane	25.0	26.3	25.8	105	103	75.0-125			1.75	20
1,1,2,2-Tetrachloroethane	25.0	27.3	28.8	109	115	65.0-130			5.31	20
1,1,2-Trichlorotrifluoroethane	25.0	25.0	24.7	100	98.7	69.0-132			1.44	20
Tetrachloroethene	25.0	27.3	26.0	109	104	72.0-132			4.90	20
Toluene	25.0	26.2	25.6	105	102	79.0-120			2.40	20
1,2,3-Trichlorobenzene	25.0	29.2	29.6	117	118	50.0-138			1.30	20
1,2,4-Trichlorobenzene	25.0	27.6	28.0	110	112	57.0-137			1.48	20
1,1,1-Trichloroethane	25.0	25.9	25.5	103	102	73.0-124			1.63	20
1,1,2-Trichloroethane	25.0	27.6	25.9	110	104	80.0-120			6.26	20
Trichloroethene	25.0	25.0	25.2	100	101	78.0-124			0.663	20
Trichlorofluoromethane	25.0	24.0	23.0	95.8	92.0	59.0-147			4.09	20
1,2,3-Trichloropropane	25.0	25.6	26.4	102	106	73.0-130			3.20	20
1,2,4-Trimethylbenzene	25.0	27.9	28.6	112	114	76.0-121			2.35	20
1,2,3-Trimethylbenzene	25.0	28.9	29.3	116	117	77.0-120			1.50	20
1,3,5-Trimethylbenzene	25.0	28.4	29.6	114	118	76.0-122			4.17	20
Vinyl acetate	125	130	134	104	107	11.0-160			2.90	20
Vinyl chloride	25.0	23.8	23.8	95.4	95.1	67.0-131			0.216	20
Xylenes, Total	75.0	79.4	75.7	106	101	79.0-123			4.77	20
(S) Toluene-d8				*100*	*99.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*90.3*	*90.2*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*104*	*110*	*70.0-130*				

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

Method Blank (MB)

(MB) R3456621-2 10/01/19 10:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
trans-1,4-Dichloro-2-butene	U		0.257	5.00
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3456621-1 10/01/19 09:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,4-Dichloro-2-butene	25.0	20.8	83.1	33.0-144	
(S) Toluene-d8			*100*	*80.0-120*	
(S) 4-Bromofluorobenzene			*105*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*105*	*70.0-130*	

Method Blank (MB)

(MB) R3455592-2 09/28/19 10:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	U		0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3455592-2 09/28/19 10:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	0.00868	J	0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*112*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*98.0*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3455592-1 09/28/19 09:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.442	70.7	10.0-160	
Acrylonitrile	0.625	0.449	71.9	45.0-153	
Benzene	0.125	0.110	87.8	70.0-123	
Bromobenzene	0.125	0.117	93.2	73.0-121	
Bromodichloromethane	0.125	0.118	94.6	73.0-121	
Bromochloromethane	0.125	0.134	107	77.0-128	
Bromoform	0.125	0.127	102	64.0-132	
Bromomethane	0.125	0.119	95.4	56.0-147	
n-Butylbenzene	0.125	0.113	90.1	68.0-135	
sec-Butylbenzene	0.125	0.129	103	74.0-130	
tert-Butylbenzene	0.125	0.122	97.3	75.0-127	
Carbon disulfide	0.125	0.104	83.0	56.0-133	
Carbon tetrachloride	0.125	0.121	96.9	66.0-128	
Chlorobenzene	0.125	0.114	91.2	76.0-128	
Chlorodibromomethane	0.125	0.140	112	74.0-127	
Chloroethane	0.125	0.114	90.9	61.0-134	
Chloroform	0.125	0.100	80.4	72.0-123	
Chloromethane	0.125	0.113	90.1	51.0-138	
2-Chlorotoluene	0.125	0.114	91.1	75.0-124	
4-Chlorotoluene	0.125	0.121	96.9	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.104	83.6	59.0-130	
1,2-Dibromoethane	0.125	0.125	99.9	74.0-128	
Dibromomethane	0.125	0.107	85.4	75.0-122	
1,2-Dichlorobenzene	0.125	0.118	94.0	76.0-124	
1,3-Dichlorobenzene	0.125	0.127	101	76.0-125	
1,4-Dichlorobenzene	0.125	0.115	91.6	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.135	108	45.0-143	
Dichlorodifluoromethane	0.125	0.119	95.1	43.0-156	
1,1-Dichloroethane	0.125	0.121	96.6	70.0-127	
1,2-Dichloroethane	0.125	0.122	97.3	65.0-131	
1,1-Dichloroethene	0.125	0.120	95.8	65.0-131	
cis-1,2-Dichloroethene	0.125	0.106	84.5	73.0-125	
trans-1,2-Dichloroethene	0.125	0.122	97.5	71.0-125	
1,2-Dichloropropane	0.125	0.108	86.3	74.0-125	
1,1-Dichloropropene	0.125	0.119	95.3	73.0-125	
1,3-Dichloropropane	0.125	0.121	97.2	80.0-125	
cis-1,3-Dichloropropene	0.125	0.106	84.8	76.0-127	
trans-1,3-Dichloropropene	0.125	0.126	101	73.0-127	
2,2-Dichloropropane	0.125	0.126	101	59.0-135	
Di-isopropyl ether	0.125	0.101	80.9	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3455592-1 09/28/19 09:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.128	102	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.123	98.2	57.0-150	
2-Hexanone	0.625	0.525	84.0	54.0-147	
n-Hexane	0.125	0.105	84.0	55.0-137	
Iodomethane	0.625	0.624	99.8	74.0-134	
Isopropylbenzene	0.125	0.113	90.7	72.0-127	
p-Isopropyltoluene	0.125	0.118	94.6	72.0-133	
2-Butanone (MEK)	0.625	0.491	78.6	30.0-160	
Methylene Chloride	0.125	0.119	95.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.543	86.9	56.0-143	
Methyl tert-butyl ether	0.125	0.123	98.2	66.0-132	
Naphthalene	0.125	0.111	88.9	59.0-130	
n-Propylbenzene	0.125	0.109	86.9	74.0-126	
Styrene	0.125	0.123	98.6	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.139	111	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0993	79.5	68.0-128	
Tetrachloroethene	0.125	0.141	113	70.0-136	
Toluene	0.125	0.117	93.4	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.0991	79.3	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.110	87.7	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.131	105	62.0-137	
1,1,1-Trichloroethane	0.125	0.125	99.6	69.0-126	
1,1,2-Trichloroethane	0.125	0.132	106	78.0-123	
Trichloroethene	0.125	0.113	90.5	76.0-126	
Trichlorofluoromethane	0.125	0.104	83.0	61.0-142	
1,2,3-Trichloropropane	0.125	0.110	87.6	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.123	98.2	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.119	95.0	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.117	93.6	73.0-127	
Vinyl acetate	0.625	0.611	97.7	43.0-159	
Vinyl chloride	0.125	0.123	98.2	63.0-134	
Xylenes, Total	0.375	0.370	98.7	72.0-127	
(S) Toluene-d8			*114*	*75.0-131*	
(S) 4-Bromofluorobenzene			*106*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Method Blank (MB)

(MB) R3456026-2 09/28/19 22:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	U		0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3456026-2 09/28/19 22:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	0.00732	J	0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*111*			*75.0-131*
(S) 4-Bromofluorobenzene	*102*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3456026-1 09/28/19 21:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.450	72.1	10.0-160	
Acrylonitrile	0.625	0.444	71.0	45.0-153	
Benzene	0.125	0.114	91.3	70.0-123	
Bromobenzene	0.125	0.125	100	73.0-121	
Bromodichloromethane	0.125	0.124	99.5	73.0-121	
Bromochloromethane	0.125	0.140	112	77.0-128	
Bromoform	0.125	0.119	95.5	64.0-132	
Bromomethane	0.125	0.115	92.3	56.0-147	
n-Butylbenzene	0.125	0.116	92.5	68.0-135	
sec-Butylbenzene	0.125	0.135	108	74.0-130	
tert-Butylbenzene	0.125	0.127	101	75.0-127	
Carbon disulfide	0.125	0.108	86.0	56.0-133	
Carbon tetrachloride	0.125	0.131	105	66.0-128	
Chlorobenzene	0.125	0.109	87.1	76.0-128	
Chlorodibromomethane	0.125	0.134	107	74.0-127	
Chloroethane	0.125	0.104	83.1	61.0-134	
Chloroform	0.125	0.103	82.6	72.0-123	
Chloromethane	0.125	0.116	92.4	51.0-138	
2-Chlorotoluene	0.125	0.123	98.7	75.0-124	
4-Chlorotoluene	0.125	0.126	101	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.116	93.0	59.0-130	
1,2-Dibromoethane	0.125	0.122	97.3	74.0-128	
Dibromomethane	0.125	0.110	88.0	75.0-122	
1,2-Dichlorobenzene	0.125	0.124	99.5	76.0-124	
1,3-Dichlorobenzene	0.125	0.131	105	76.0-125	
1,4-Dichlorobenzene	0.125	0.117	93.9	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.127	102	45.0-143	
Dichlorodifluoromethane	0.125	0.130	104	43.0-156	
1,1-Dichloroethane	0.125	0.120	96.4	70.0-127	
1,2-Dichloroethane	0.125	0.118	94.4	65.0-131	
1,1-Dichloroethene	0.125	0.122	97.9	65.0-131	
cis-1,2-Dichloroethene	0.125	0.104	83.2	73.0-125	
trans-1,2-Dichloroethene	0.125	0.124	99.3	71.0-125	
1,2-Dichloropropane	0.125	0.115	91.9	74.0-125	
1,1-Dichloropropene	0.125	0.129	103	73.0-125	
1,3-Dichloropropane	0.125	0.113	90.7	80.0-125	
cis-1,3-Dichloropropene	0.125	0.106	85.1	76.0-127	
trans-1,3-Dichloropropene	0.125	0.123	98.1	73.0-127	
2,2-Dichloropropane	0.125	0.132	106	59.0-135	
Di-isopropyl ether	0.125	0.103	82.7	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3456026-1 09/28/19 21:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.124	99.6	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.126	101	57.0-150	
2-Hexanone	0.625	0.499	79.8	54.0-147	
n-Hexane	0.125	0.0949	75.9	55.0-137	
Iodomethane	0.625	0.648	104	74.0-134	
Isopropylbenzene	0.125	0.110	87.7	72.0-127	
p-Isopropyltoluene	0.125	0.131	105	72.0-133	
2-Butanone (MEK)	0.625	0.493	79.0	30.0-160	
Methylene Chloride	0.125	0.115	91.8	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.514	82.2	56.0-143	
Methyl tert-butyl ether	0.125	0.121	96.8	66.0-132	
Naphthalene	0.125	0.110	87.8	59.0-130	
n-Propylbenzene	0.125	0.115	91.9	74.0-126	
Styrene	0.125	0.125	99.7	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.127	102	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0910	72.8	68.0-128	
Tetrachloroethene	0.125	0.139	111	70.0-136	
Toluene	0.125	0.116	92.7	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.112	89.5	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.112	89.5	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.135	108	62.0-137	
1,1,1-Trichloroethane	0.125	0.130	104	69.0-126	
1,1,2-Trichloroethane	0.125	0.131	105	78.0-123	
Trichloroethene	0.125	0.127	102	76.0-126	
Trichlorofluoromethane	0.125	0.112	89.7	61.0-142	
1,2,3-Trichloropropane	0.125	0.110	87.9	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.131	105	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.122	97.3	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.122	97.9	73.0-127	
Vinyl acetate	0.625	0.419	67.0	43.0-159	
Vinyl chloride	0.125	0.136	109	63.0-134	
Xylenes, Total	0.375	0.363	96.8	72.0-127	
(S) Toluene-d8			*108*	*75.0-131*	
(S) 4-Bromofluorobenzene			*102*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*104*	*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.

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

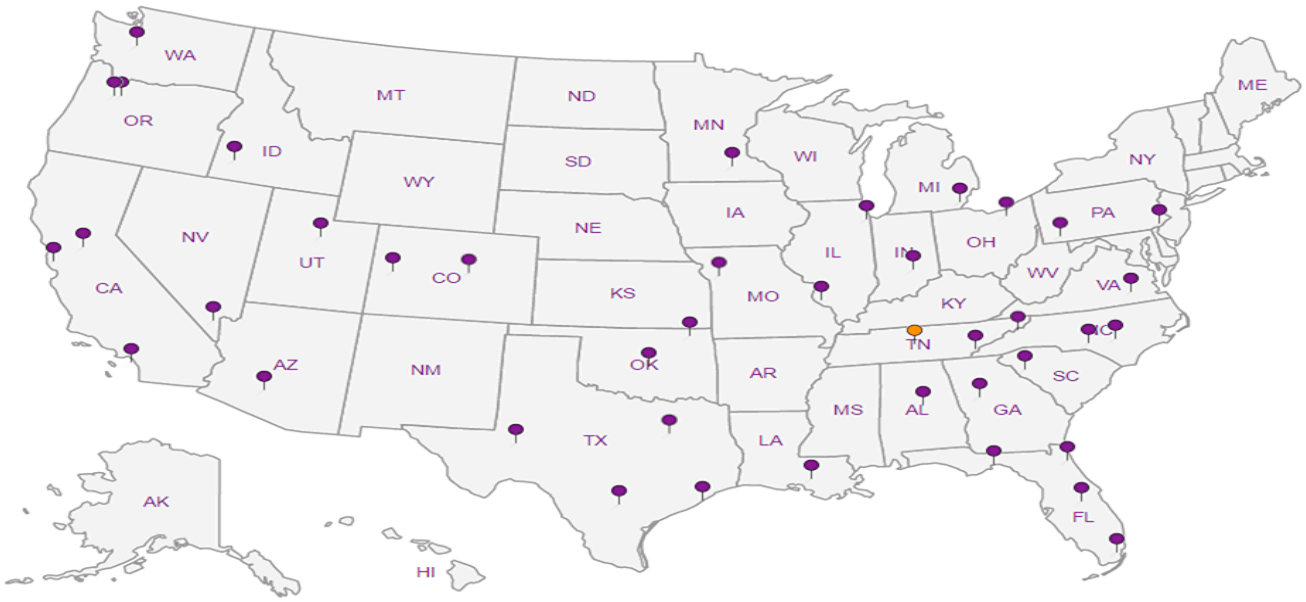
Third Party Federal Accreditations

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:

City/State Collected: SEATTLE WA

Please Circle: PT MT CT ET

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

Client Project # 14B.001.02.501B

Lab Project # PESENVSWA-ALP

Collected by (print): R.MCLAUGHLIN

Site/Facility ID #

P.O. #

Collected by (signature): R T M Laughlin

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-319 - 6	GRAB	SS	6	9/18/19	1043	2	X	X		-01
MW-319- 10		SS	10		1046					02
MW-319- 15		SS	15		1050					03
MW-319- 20		SS	20		1052					04
MW-319- 30		SS	30		1115					05
MW-319- 35		SS	35		1135					06
MW-319- 40		SS	40		1123					07
MW-319- 45		SS	45		1200					08
MW-319- 50		SS	50		1205					09
MW-319- 55	X	SS	55	X	1230	2	X	X		10

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

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

SDG # 1141867

H207

Acctnum: PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110 - Brian Ford

PB: 8/21/19 MS

Shipped Via: FedEX Ground

* 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 # 1145 2227 4244

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:	Bottles Received:	If preservation required by Login: Date/Time
R T M Laughlin	9-20-19	1200	PES	Yes No HCL MeoH TBR		
Relinquished by: (Signature)	Date: 9-20-19	Time: 1240	Received by: (Signature)	Temp: 5.0 °C	34	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/21/19	Time: 8:45	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:

City/State Collected: SEATTLE WA

Please Circle: PT MT CT ET

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

Client Project # 1413.001.02.501B

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLAUGHLIN

Site/Facility ID # AMERICAN LINEN

P.O. #

Collected by (signature): 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	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-319-60	GRAB	SS	60	9/18/19	1232	2	X	X		11
MW-319-65		SS	65		1245					12
MW-319-70		SS	70		1248					13
MW-319-75		SS	75		1320					14
MW-319-80	X (RM)	SS	80		1322	1				15
MW-319-85		SS	85	X	1335	2		X		16
TB-092019	GRAB	SS	—	9/20/19	0900	1				17
MW-2006-70	GRAB	SS	70	9/18/19	1000	2	X	X		18
		SS								
		SS								

Analysis / Container / Preservative

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 #

Table #

Acctnum: PESENVSWA
Template: T154694
Prelogin: P725383
PM: 110 - Brian Ford
PB: 8/21/19 MW5
Shipped Via: FedEX Ground

* 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 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:	X Y __N

Relinquished by: (Signature) R T McLaughlin	Date: 9-20-19	Time: 1200	Received by: (Signature)
Relinquished by: (Signature)	Date: 9-20-19	Time: 1240	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

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

Temp: 5.0 °C Bottles Received: 34

Date: 9/21/19 Time: 0945

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

October 02, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1141887
Samples Received:	09/21/2019
Project Number:	1413.001.02.501
Description:	American Linen
Site:	700 DEXTER AVE N
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
Project Manager

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

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MW-311-5 L1141887-01 Solid

Collected by: HW Small | Collected date/time: 09/18/19 09:40 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352844	1	09/27/19 13:05	09/27/19 13:17	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	1	09/18/19 09:40	09/29/19 01:41	BMB	Mt. Juliet, TN

MW-311-10 L1141887-02 Solid

Collected by: HW Small | Collected date/time: 09/18/19 09:43 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352844	1	09/27/19 13:05	09/27/19 13:17	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	1	09/18/19 09:43	09/29/19 02:01	BMB	Mt. Juliet, TN

MW-311-15 L1141887-03 Solid

Collected by: HW Small | Collected date/time: 09/18/19 09:45 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352844	1	09/27/19 13:05	09/27/19 13:17	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	2	09/18/19 09:45	09/29/19 02:22	BMB	Mt. Juliet, TN

MW-311-20 L1141887-04 Solid

Collected by: HW Small | Collected date/time: 09/18/19 09:50 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352844	1	09/27/19 13:05	09/27/19 13:17	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	2.06	09/18/19 09:50	09/29/19 02:42	BMB	Mt. Juliet, TN

MW-311-25 L1141887-05 Solid

Collected by: HW Small | Collected date/time: 09/18/19 10:00 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352844	1	09/27/19 13:05	09/27/19 13:17	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	4	09/18/19 10:00	09/29/19 03:03	BMB	Mt. Juliet, TN

MW-311-30 L1141887-06 Solid

Collected by: HW Small | Collected date/time: 09/18/19 10:05 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352844	1	09/27/19 13:05	09/27/19 13:17	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	2.27	09/18/19 10:05	09/29/19 03:23	BMB	Mt. Juliet, TN

MW-311-35 L1141887-07 Solid

Collected by: HW Small | Collected date/time: 09/18/19 11:10 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352844	1	09/27/19 13:05	09/27/19 13:17	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	2	09/18/19 11:10	09/29/19 03:43	BMB	Mt. Juliet, TN

MW-311-40 L1141887-08 Solid

Collected by: HW Small | Collected date/time: 09/18/19 10:45 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352844	1	09/27/19 13:05	09/27/19 13:17	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	1	09/18/19 10:45	09/29/19 04:04	BMB	Mt. Juliet, TN

MW-311-45 L1141887-09 Solid

Collected by: HW Small | Collected date/time: 09/18/19 10:50 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352844	1	09/27/19 13:05	09/27/19 13:17	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	1	09/18/19 10:50	09/29/19 04:24	BMB	Mt. Juliet, TN

MW-311-50 L1141887-10 Solid

Collected by: HW Small | Collected date/time: 09/18/19 10:55 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352844	1	09/27/19 13:05	09/27/19 13:17	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	1	09/18/19 10:55	09/29/19 04:44	BMB	Mt. Juliet, TN

MW-311-55 L1141887-11 Solid

Collected by: HW Small | Collected date/time: 09/18/19 11:00 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352847	1	09/27/19 10:51	09/27/19 11:08	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	1	09/18/19 11:00	09/29/19 05:04	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354779	20	09/18/19 11:00	10/01/19 21:06	ACG	Mt. Juliet, TN

MW-311-60 L1141887-12 Solid

Collected by: HW Small | Collected date/time: 09/18/19 11:05 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352847	1	09/27/19 10:51	09/27/19 11:08	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	2	09/18/19 11:05	09/29/19 05:25	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354779	2	09/18/19 11:05	10/01/19 18:23	ACG	Mt. Juliet, TN

MW-311-65 L1141887-13 Solid

Collected by: HW Small | Collected date/time: 09/18/19 12:35 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352847	1	09/27/19 10:51	09/27/19 11:08	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354017	1	09/18/19 12:35	09/29/19 05:45	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354779	1	09/18/19 12:35	10/01/19 18:43	ACG	Mt. Juliet, TN

MW-311-70 L1141887-14 Solid

Collected by: HW Small | Collected date/time: 09/18/19 12:40 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352847	1	09/27/19 10:51	09/27/19 11:08	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354779	1	09/18/19 12:40	10/01/19 19:03	ACG	Mt. Juliet, TN

MW-2005-65 L1141887-15 Solid

Collected by: HW Small
Collected date/time: 09/18/19 13:00
Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352847	1	09/27/19 10:51	09/27/19 11:08	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354025	1	09/18/19 13:00	09/29/19 02:02	ACG	Mt. Juliet, TN

MW-2007-70 L1141887-16 Solid

Collected by: HW Small
Collected date/time: 09/18/19 00:00
Received date/time: 09/21/19 08:45

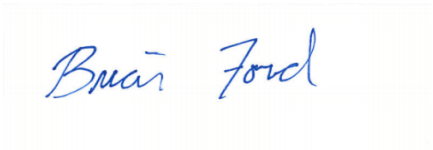
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352847	1	09/27/19 10:51	09/27/19 11:08	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354025	2	09/18/19 00:00	09/29/19 02:23	ACG	Mt. Juliet, TN

TB-091819 L1141887-17 GW

Collected by: HW Small
Collected date/time: 09/18/19 00:00
Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353837	1	09/28/19 21:39	09/28/19 21:39	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354826	1	10/01/19 13:40	10/01/19 13:40	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.



Brian Ford
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	09/27/2019 13:17	WG1352844

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0791		0.0164	0.0299	1	09/29/2019 01:41	WG1354017
Acrylonitrile	U	J0	0.00227	0.0150	1	09/29/2019 01:41	WG1354017
Benzene	0.000644	J	0.000479	0.00120	1	09/29/2019 01:41	WG1354017
Bromobenzene	U		0.00126	0.0150	1	09/29/2019 01:41	WG1354017
Bromodichloromethane	U		0.000943	0.00299	1	09/29/2019 01:41	WG1354017
Bromochloromethane	U		0.00135	0.00599	1	09/29/2019 01:41	WG1354017
Bromoform	U		0.00716	0.0299	1	09/29/2019 01:41	WG1354017
Bromomethane	U		0.00443	0.0150	1	09/29/2019 01:41	WG1354017
n-Butylbenzene	U		0.00460	0.0150	1	09/29/2019 01:41	WG1354017
sec-Butylbenzene	U		0.00303	0.0150	1	09/29/2019 01:41	WG1354017
tert-Butylbenzene	U		0.00186	0.00599	1	09/29/2019 01:41	WG1354017
Carbon disulfide	U		0.00486	0.0150	1	09/29/2019 01:41	WG1354017
Carbon tetrachloride	U		0.00129	0.00599	1	09/29/2019 01:41	WG1354017
Chlorobenzene	U		0.000686	0.00299	1	09/29/2019 01:41	WG1354017
Chlorodibromomethane	U		0.000539	0.00299	1	09/29/2019 01:41	WG1354017
Chloroethane	U		0.00129	0.00599	1	09/29/2019 01:41	WG1354017
Chloroform	U		0.000497	0.00299	1	09/29/2019 01:41	WG1354017
Chloromethane	U		0.00166	0.0150	1	09/29/2019 01:41	WG1354017
2-Chlorotoluene	U		0.00110	0.00299	1	09/29/2019 01:41	WG1354017
4-Chlorotoluene	U		0.00135	0.00599	1	09/29/2019 01:41	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.00610	0.0299	1	09/29/2019 01:41	WG1354017
1,2-Dibromoethane	U		0.000628	0.00299	1	09/29/2019 01:41	WG1354017
Dibromomethane	U		0.00120	0.00599	1	09/29/2019 01:41	WG1354017
1,2-Dichlorobenzene	U		0.00174	0.00599	1	09/29/2019 01:41	WG1354017
1,3-Dichlorobenzene	U		0.00203	0.00599	1	09/29/2019 01:41	WG1354017
1,4-Dichlorobenzene	U		0.00236	0.00599	1	09/29/2019 01:41	WG1354017
Dichlorodifluoromethane	U		0.000979	0.00299	1	09/29/2019 01:41	WG1354017
1,1-Dichloroethane	U		0.000688	0.00299	1	09/29/2019 01:41	WG1354017
1,2-Dichloroethane	U		0.000569	0.00299	1	09/29/2019 01:41	WG1354017
1,1-Dichloroethene	U		0.000599	0.00299	1	09/29/2019 01:41	WG1354017
cis-1,2-Dichloroethene	U		0.000826	0.00299	1	09/29/2019 01:41	WG1354017
trans-1,2-Dichloroethene	U		0.00171	0.00599	1	09/29/2019 01:41	WG1354017
1,2-Dichloropropane	U		0.00152	0.00599	1	09/29/2019 01:41	WG1354017
1,1-Dichloropropene	U		0.000838	0.00299	1	09/29/2019 01:41	WG1354017
1,3-Dichloropropane	U		0.00209	0.00599	1	09/29/2019 01:41	WG1354017
cis-1,3-Dichloropropene	U		0.000812	0.00299	1	09/29/2019 01:41	WG1354017
trans-1,3-Dichloropropene	U		0.00183	0.00599	1	09/29/2019 01:41	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00168	0.00599	1	09/29/2019 01:41	WG1354017
2,2-Dichloropropane	U		0.000949	0.00299	1	09/29/2019 01:41	WG1354017
Di-isopropyl ether	U		0.000419	0.00120	1	09/29/2019 01:41	WG1354017
Ethylbenzene	U		0.000634	0.00299	1	09/29/2019 01:41	WG1354017
Hexachloro-1,3-butadiene	U		0.0152	0.0299	1	09/29/2019 01:41	WG1354017
2-Hexanone	U		0.0120	0.0299	1	09/29/2019 01:41	WG1354017
n-Hexane	0.00436	J J0	0.00127	0.00599	1	09/29/2019 01:41	WG1354017
Iodomethane	U		0.00724	0.0150	1	09/29/2019 01:41	WG1354017
Isopropylbenzene	U		0.00103	0.00299	1	09/29/2019 01:41	WG1354017
p-Isopropyltoluene	U		0.00279	0.00599	1	09/29/2019 01:41	WG1354017
2-Butanone (MEK)	U		0.0150	0.0299	1	09/29/2019 01:41	WG1354017
Methylene Chloride	0.0128	B J	0.00795	0.0299	1	09/29/2019 01:41	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.0299	1	09/29/2019 01:41	WG1354017

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 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000353	0.00120	1	09/29/2019 01:41	WG1354017
Naphthalene	0.00453	J	0.00373	0.0150	1	09/29/2019 01:41	WG1354017
n-Propylbenzene	U		0.00141	0.00599	1	09/29/2019 01:41	WG1354017
Styrene	U		0.00327	0.0150	1	09/29/2019 01:41	WG1354017
1,1,1,2-Tetrachloroethane	U		0.000599	0.00299	1	09/29/2019 01:41	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.000467	0.00299	1	09/29/2019 01:41	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.000808	0.00299	1	09/29/2019 01:41	WG1354017
Tetrachloroethene	0.00286	J	0.000838	0.00299	1	09/29/2019 01:41	WG1354017
Toluene	0.00756		0.00150	0.00599	1	09/29/2019 01:41	WG1354017
1,2,3-Trichlorobenzene	U		0.000748	0.00299	1	09/29/2019 01:41	WG1354017
1,2,4-Trichlorobenzene	U		0.00577	0.0150	1	09/29/2019 01:41	WG1354017
1,1,1-Trichloroethane	U		0.000329	0.00299	1	09/29/2019 01:41	WG1354017
1,1,2-Trichloroethane	U		0.00106	0.00299	1	09/29/2019 01:41	WG1354017
Trichloroethene	U		0.000479	0.00120	1	09/29/2019 01:41	WG1354017
Trichlorofluoromethane	U		0.000599	0.00299	1	09/29/2019 01:41	WG1354017
1,2,3-Trichloropropane	U		0.00610	0.0150	1	09/29/2019 01:41	WG1354017
1,2,4-Trimethylbenzene	U		0.00139	0.00599	1	09/29/2019 01:41	WG1354017
1,2,3-Trimethylbenzene	0.00172	J	0.00138	0.00599	1	09/29/2019 01:41	WG1354017
1,3,5-Trimethylbenzene	U		0.00129	0.00599	1	09/29/2019 01:41	WG1354017
Vinyl acetate	U	J0	0.00421	0.0150	1	09/29/2019 01:41	WG1354017
Vinyl chloride	U		0.000818	0.00299	1	09/29/2019 01:41	WG1354017
Xylenes, Total	U		0.00572	0.00778	1	09/29/2019 01:41	WG1354017
(S) Toluene-d8	*112*			*75.0-131*		*09/29/2019 01:41*	WG1354017
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/29/2019 01:41*	WG1354017
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/29/2019 01:41*	WG1354017

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	09/27/2019 13:17	WG1352844

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0194	J	0.0158	0.0288	1	09/29/2019 02:01	WG1354017
Acrylonitrile	U	J0	0.00219	0.0144	1	09/29/2019 02:01	WG1354017
Benzene	U		0.000460	0.00115	1	09/29/2019 02:01	WG1354017
Bromobenzene	U		0.00121	0.0144	1	09/29/2019 02:01	WG1354017
Bromodichloromethane	U		0.000907	0.00288	1	09/29/2019 02:01	WG1354017
Bromochloromethane	U		0.00130	0.00576	1	09/29/2019 02:01	WG1354017
Bromoform	U		0.00688	0.0288	1	09/29/2019 02:01	WG1354017
Bromomethane	U		0.00426	0.0144	1	09/29/2019 02:01	WG1354017
n-Butylbenzene	U		0.00442	0.0144	1	09/29/2019 02:01	WG1354017
sec-Butylbenzene	U		0.00291	0.0144	1	09/29/2019 02:01	WG1354017
tert-Butylbenzene	U		0.00178	0.00576	1	09/29/2019 02:01	WG1354017
Carbon disulfide	U		0.00467	0.0144	1	09/29/2019 02:01	WG1354017
Carbon tetrachloride	U		0.00124	0.00576	1	09/29/2019 02:01	WG1354017
Chlorobenzene	U		0.000660	0.00288	1	09/29/2019 02:01	WG1354017
Chlorodibromomethane	U		0.000518	0.00288	1	09/29/2019 02:01	WG1354017
Chloroethane	U		0.00124	0.00576	1	09/29/2019 02:01	WG1354017
Chloroform	U		0.000478	0.00288	1	09/29/2019 02:01	WG1354017
Chloromethane	U		0.00160	0.0144	1	09/29/2019 02:01	WG1354017
2-Chlorotoluene	U		0.00106	0.00288	1	09/29/2019 02:01	WG1354017
4-Chlorotoluene	U		0.00130	0.00576	1	09/29/2019 02:01	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.00587	0.0288	1	09/29/2019 02:01	WG1354017
1,2-Dibromoethane	U		0.000604	0.00288	1	09/29/2019 02:01	WG1354017
Dibromomethane	U		0.00115	0.00576	1	09/29/2019 02:01	WG1354017
1,2-Dichlorobenzene	U		0.00167	0.00576	1	09/29/2019 02:01	WG1354017
1,3-Dichlorobenzene	U		0.00196	0.00576	1	09/29/2019 02:01	WG1354017
1,4-Dichlorobenzene	U		0.00227	0.00576	1	09/29/2019 02:01	WG1354017
Dichlorodifluoromethane	U		0.000942	0.00288	1	09/29/2019 02:01	WG1354017
1,1-Dichloroethane	U		0.000662	0.00288	1	09/29/2019 02:01	WG1354017
1,2-Dichloroethane	U		0.000547	0.00288	1	09/29/2019 02:01	WG1354017
1,1-Dichloroethene	U		0.000576	0.00288	1	09/29/2019 02:01	WG1354017
cis-1,2-Dichloroethene	U		0.000794	0.00288	1	09/29/2019 02:01	WG1354017
trans-1,2-Dichloroethene	U		0.00165	0.00576	1	09/29/2019 02:01	WG1354017
1,2-Dichloropropane	U		0.00146	0.00576	1	09/29/2019 02:01	WG1354017
1,1-Dichloropropene	U		0.000806	0.00288	1	09/29/2019 02:01	WG1354017
1,3-Dichloropropane	U		0.00201	0.00576	1	09/29/2019 02:01	WG1354017
cis-1,3-Dichloropropene	U		0.000780	0.00288	1	09/29/2019 02:01	WG1354017
trans-1,3-Dichloropropene	U		0.00176	0.00576	1	09/29/2019 02:01	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00161	0.00576	1	09/29/2019 02:01	WG1354017
2,2-Dichloropropane	U		0.000913	0.00288	1	09/29/2019 02:01	WG1354017
Di-isopropyl ether	U		0.000403	0.00115	1	09/29/2019 02:01	WG1354017
Ethylbenzene	U		0.000610	0.00288	1	09/29/2019 02:01	WG1354017
Hexachloro-1,3-butadiene	U		0.0146	0.0288	1	09/29/2019 02:01	WG1354017
2-Hexanone	U		0.0115	0.0288	1	09/29/2019 02:01	WG1354017
n-Hexane	0.00437	J J0	0.00122	0.00576	1	09/29/2019 02:01	WG1354017
Iodomethane	U		0.00696	0.0144	1	09/29/2019 02:01	WG1354017
Isopropylbenzene	U		0.000993	0.00288	1	09/29/2019 02:01	WG1354017
p-Isopropyltoluene	U		0.00268	0.00576	1	09/29/2019 02:01	WG1354017
2-Butanone (MEK)	U		0.0144	0.0288	1	09/29/2019 02:01	WG1354017
Methylene Chloride	0.0113	B J	0.00764	0.0288	1	09/29/2019 02:01	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0288	1	09/29/2019 02:01	WG1354017

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000340	0.00115	1	09/29/2019 02:01	WG1354017
Naphthalene	U		0.00359	0.0144	1	09/29/2019 02:01	WG1354017
n-Propylbenzene	U		0.00136	0.00576	1	09/29/2019 02:01	WG1354017
Styrene	U		0.00314	0.0144	1	09/29/2019 02:01	WG1354017
1,1,1,2-Tetrachloroethane	U		0.000576	0.00288	1	09/29/2019 02:01	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.000449	0.00288	1	09/29/2019 02:01	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.000777	0.00288	1	09/29/2019 02:01	WG1354017
Tetrachloroethene	U		0.000806	0.00288	1	09/29/2019 02:01	WG1354017
Toluene	0.00875		0.00144	0.00576	1	09/29/2019 02:01	WG1354017
1,2,3-Trichlorobenzene	U		0.000719	0.00288	1	09/29/2019 02:01	WG1354017
1,2,4-Trichlorobenzene	U		0.00555	0.0144	1	09/29/2019 02:01	WG1354017
1,1,1-Trichloroethane	U		0.000317	0.00288	1	09/29/2019 02:01	WG1354017
1,1,2-Trichloroethane	U		0.00102	0.00288	1	09/29/2019 02:01	WG1354017
Trichloroethene	U		0.000460	0.00115	1	09/29/2019 02:01	WG1354017
Trichlorofluoromethane	U		0.000576	0.00288	1	09/29/2019 02:01	WG1354017
1,2,3-Trichloropropane	U		0.00587	0.0144	1	09/29/2019 02:01	WG1354017
1,2,4-Trimethylbenzene	U		0.00134	0.00576	1	09/29/2019 02:01	WG1354017
1,2,3-Trimethylbenzene	U		0.00132	0.00576	1	09/29/2019 02:01	WG1354017
1,3,5-Trimethylbenzene	U		0.00124	0.00576	1	09/29/2019 02:01	WG1354017
Vinyl acetate	U	J0	0.00405	0.0144	1	09/29/2019 02:01	WG1354017
Vinyl chloride	U		0.000786	0.00288	1	09/29/2019 02:01	WG1354017
Xylenes, Total	U		0.00550	0.00748	1	09/29/2019 02:01	WG1354017
(S) Toluene-d8	*114*			*75.0-131*		*09/29/2019 02:01*	WG1354017
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*		*09/29/2019 02:01*	WG1354017
(S) 1,2-Dichloroethane-d4	*97.6*			*70.0-130*		*09/29/2019 02:01*	WG1354017

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.5		1	09/27/2019 13:17	WG1352844

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0509	J	0.0368	0.0671	2	09/29/2019 02:22	WG1354017
Acrylonitrile	U	J0	0.00510	0.0335	2	09/29/2019 02:22	WG1354017
Benzene	U		0.00107	0.00268	2	09/29/2019 02:22	WG1354017
Bromobenzene	U		0.00282	0.0335	2	09/29/2019 02:22	WG1354017
Bromodichloromethane	U		0.00212	0.00671	2	09/29/2019 02:22	WG1354017
Bromochloromethane	U		0.00303	0.0134	2	09/29/2019 02:22	WG1354017
Bromoform	U		0.0161	0.0671	2	09/29/2019 02:22	WG1354017
Bromomethane	U		0.00993	0.0335	2	09/29/2019 02:22	WG1354017
n-Butylbenzene	U		0.0103	0.0335	2	09/29/2019 02:22	WG1354017
sec-Butylbenzene	U		0.00679	0.0335	2	09/29/2019 02:22	WG1354017
tert-Butylbenzene	U		0.00416	0.0134	2	09/29/2019 02:22	WG1354017
Carbon disulfide	U		0.0109	0.0335	2	09/29/2019 02:22	WG1354017
Carbon tetrachloride	U		0.00290	0.0134	2	09/29/2019 02:22	WG1354017
Chlorobenzene	U		0.00154	0.00671	2	09/29/2019 02:22	WG1354017
Chlorodibromomethane	U		0.00121	0.00671	2	09/29/2019 02:22	WG1354017
Chloroethane	U		0.00290	0.0134	2	09/29/2019 02:22	WG1354017
Chloroform	U		0.00111	0.00671	2	09/29/2019 02:22	WG1354017
Chloromethane	U		0.00373	0.0335	2	09/29/2019 02:22	WG1354017
2-Chlorotoluene	U		0.00247	0.00671	2	09/29/2019 02:22	WG1354017
4-Chlorotoluene	U		0.00303	0.0134	2	09/29/2019 02:22	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.0137	0.0671	2	09/29/2019 02:22	WG1354017
1,2-Dibromoethane	U		0.00141	0.00671	2	09/29/2019 02:22	WG1354017
Dibromomethane	U		0.00268	0.0134	2	09/29/2019 02:22	WG1354017
1,2-Dichlorobenzene	U		0.00389	0.0134	2	09/29/2019 02:22	WG1354017
1,3-Dichlorobenzene	U		0.00456	0.0134	2	09/29/2019 02:22	WG1354017
1,4-Dichlorobenzene	U		0.00529	0.0134	2	09/29/2019 02:22	WG1354017
Dichlorodifluoromethane	U		0.00220	0.00671	2	09/29/2019 02:22	WG1354017
1,1-Dichloroethane	U		0.00154	0.00671	2	09/29/2019 02:22	WG1354017
1,2-Dichloroethane	U		0.00127	0.00671	2	09/29/2019 02:22	WG1354017
1,1-Dichloroethene	U		0.00134	0.00671	2	09/29/2019 02:22	WG1354017
cis-1,2-Dichloroethene	U		0.00185	0.00671	2	09/29/2019 02:22	WG1354017
trans-1,2-Dichloroethene	U		0.00384	0.0134	2	09/29/2019 02:22	WG1354017
1,2-Dichloropropane	U		0.00341	0.0134	2	09/29/2019 02:22	WG1354017
1,1-Dichloropropene	U		0.00188	0.00671	2	09/29/2019 02:22	WG1354017
1,3-Dichloropropane	U		0.00470	0.0134	2	09/29/2019 02:22	WG1354017
cis-1,3-Dichloropropene	U		0.00182	0.00671	2	09/29/2019 02:22	WG1354017
trans-1,3-Dichloropropene	U		0.00411	0.0134	2	09/29/2019 02:22	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00376	0.0134	2	09/29/2019 02:22	WG1354017
2,2-Dichloropropane	U		0.00213	0.00671	2	09/29/2019 02:22	WG1354017
Di-isopropyl ether	U		0.000939	0.00268	2	09/29/2019 02:22	WG1354017
Ethylbenzene	U		0.00142	0.00671	2	09/29/2019 02:22	WG1354017
Hexachloro-1,3-butadiene	U		0.0341	0.0671	2	09/29/2019 02:22	WG1354017
2-Hexanone	U		0.0268	0.0671	2	09/29/2019 02:22	WG1354017
n-Hexane	U	J0	0.00284	0.0134	2	09/29/2019 02:22	WG1354017
Iodomethane	U		0.0162	0.0335	2	09/29/2019 02:22	WG1354017
Isopropylbenzene	U		0.00232	0.00671	2	09/29/2019 02:22	WG1354017
p-Isopropyltoluene	U		0.00625	0.0134	2	09/29/2019 02:22	WG1354017
2-Butanone (MEK)	U		0.0335	0.0671	2	09/29/2019 02:22	WG1354017
Methylene Chloride	0.0273	B J	0.0178	0.0671	2	09/29/2019 02:22	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0268	0.0671	2	09/29/2019 02:22	WG1354017

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000792	0.00268	2	09/29/2019 02:22	WG1354017
Naphthalene	U		0.00837	0.0335	2	09/29/2019 02:22	WG1354017
n-Propylbenzene	U		0.00317	0.0134	2	09/29/2019 02:22	WG1354017
Styrene	U		0.00733	0.0335	2	09/29/2019 02:22	WG1354017
1,1,1,2-Tetrachloroethane	U		0.00134	0.00671	2	09/29/2019 02:22	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.00105	0.00671	2	09/29/2019 02:22	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.00181	0.00671	2	09/29/2019 02:22	WG1354017
Tetrachloroethene	U		0.00188	0.00671	2	09/29/2019 02:22	WG1354017
Toluene	0.0223		0.00335	0.0134	2	09/29/2019 02:22	WG1354017
1,2,3-Trichlorobenzene	U		0.00168	0.00671	2	09/29/2019 02:22	WG1354017
1,2,4-Trichlorobenzene	U		0.0129	0.0335	2	09/29/2019 02:22	WG1354017
1,1,1-Trichloroethane	U		0.000738	0.00671	2	09/29/2019 02:22	WG1354017
1,1,2-Trichloroethane	U		0.00237	0.00671	2	09/29/2019 02:22	WG1354017
Trichloroethene	U		0.00107	0.00268	2	09/29/2019 02:22	WG1354017
Trichlorofluoromethane	U		0.00134	0.00671	2	09/29/2019 02:22	WG1354017
1,2,3-Trichloropropane	U		0.0137	0.0335	2	09/29/2019 02:22	WG1354017
1,2,4-Trimethylbenzene	U		0.00311	0.0134	2	09/29/2019 02:22	WG1354017
1,2,3-Trimethylbenzene	U		0.00309	0.0134	2	09/29/2019 02:22	WG1354017
1,3,5-Trimethylbenzene	U		0.00290	0.0134	2	09/29/2019 02:22	WG1354017
Vinyl acetate	U	J0	0.00945	0.0335	2	09/29/2019 02:22	WG1354017
Vinyl chloride	U		0.00184	0.00671	2	09/29/2019 02:22	WG1354017
Xylenes, Total	U		0.0128	0.0174	2	09/29/2019 02:22	WG1354017
(S) Toluene-d8	*112*			*75.0-131*		*09/29/2019 02:22*	WG1354017
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/29/2019 02:22*	WG1354017
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/29/2019 02:22*	WG1354017

Sample Narrative:

L1141887-03 WG1354017: Dilution due to limited sample volume.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.6		1	09/27/2019 13:17	WG1352844

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0986		0.0383	0.0700	2.06	09/29/2019 02:42	WG1354017
Acrylonitrile	U	J0	0.00531	0.0350	2.06	09/29/2019 02:42	WG1354017
Benzene	U		0.00112	0.00280	2.06	09/29/2019 02:42	WG1354017
Bromobenzene	U		0.00293	0.0350	2.06	09/29/2019 02:42	WG1354017
Bromodichloromethane	U		0.00220	0.00700	2.06	09/29/2019 02:42	WG1354017
Bromochloromethane	U		0.00317	0.0140	2.06	09/29/2019 02:42	WG1354017
Bromoform	U		0.0167	0.0700	2.06	09/29/2019 02:42	WG1354017
Bromomethane	U		0.0104	0.0350	2.06	09/29/2019 02:42	WG1354017
n-Butylbenzene	U		0.0107	0.0350	2.06	09/29/2019 02:42	WG1354017
sec-Butylbenzene	U		0.00708	0.0350	2.06	09/29/2019 02:42	WG1354017
tert-Butylbenzene	U		0.00433	0.0140	2.06	09/29/2019 02:42	WG1354017
Carbon disulfide	U		0.0114	0.0350	2.06	09/29/2019 02:42	WG1354017
Carbon tetrachloride	U		0.00302	0.0140	2.06	09/29/2019 02:42	WG1354017
Chlorobenzene	U		0.00160	0.00700	2.06	09/29/2019 02:42	WG1354017
Chlorodibromomethane	U		0.00126	0.00700	2.06	09/29/2019 02:42	WG1354017
Chloroethane	U		0.00302	0.0140	2.06	09/29/2019 02:42	WG1354017
Chloroform	U		0.00116	0.00700	2.06	09/29/2019 02:42	WG1354017
Chloromethane	U		0.00389	0.0350	2.06	09/29/2019 02:42	WG1354017
2-Chlorotoluene	U		0.00258	0.00700	2.06	09/29/2019 02:42	WG1354017
4-Chlorotoluene	U		0.00317	0.0140	2.06	09/29/2019 02:42	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.0143	0.0700	2.06	09/29/2019 02:42	WG1354017
1,2-Dibromoethane	U		0.00147	0.00700	2.06	09/29/2019 02:42	WG1354017
Dibromomethane	U		0.00280	0.0140	2.06	09/29/2019 02:42	WG1354017
1,2-Dichlorobenzene	U		0.00406	0.0140	2.06	09/29/2019 02:42	WG1354017
1,3-Dichlorobenzene	U		0.00476	0.0140	2.06	09/29/2019 02:42	WG1354017
1,4-Dichlorobenzene	U		0.00552	0.0140	2.06	09/29/2019 02:42	WG1354017
Dichlorodifluoromethane	U		0.00228	0.00700	2.06	09/29/2019 02:42	WG1354017
1,1-Dichloroethane	U		0.00160	0.00700	2.06	09/29/2019 02:42	WG1354017
1,2-Dichloroethane	U		0.00133	0.00700	2.06	09/29/2019 02:42	WG1354017
1,1-Dichloroethene	U		0.00140	0.00700	2.06	09/29/2019 02:42	WG1354017
cis-1,2-Dichloroethene	U		0.00193	0.00700	2.06	09/29/2019 02:42	WG1354017
trans-1,2-Dichloroethene	U		0.00399	0.0140	2.06	09/29/2019 02:42	WG1354017
1,2-Dichloropropane	U		0.00356	0.0140	2.06	09/29/2019 02:42	WG1354017
1,1-Dichloropropene	U		0.00196	0.00700	2.06	09/29/2019 02:42	WG1354017
1,3-Dichloropropane	U		0.00489	0.0140	2.06	09/29/2019 02:42	WG1354017
cis-1,3-Dichloropropene	U		0.00190	0.00700	2.06	09/29/2019 02:42	WG1354017
trans-1,3-Dichloropropene	U		0.00428	0.0140	2.06	09/29/2019 02:42	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00391	0.0140	2.06	09/29/2019 02:42	WG1354017
2,2-Dichloropropane	U		0.00221	0.00700	2.06	09/29/2019 02:42	WG1354017
Di-isopropyl ether	U		0.000980	0.00280	2.06	09/29/2019 02:42	WG1354017
Ethylbenzene	U		0.00148	0.00700	2.06	09/29/2019 02:42	WG1354017
Hexachloro-1,3-butadiene	U		0.0356	0.0700	2.06	09/29/2019 02:42	WG1354017
2-Hexanone	U		0.0280	0.0700	2.06	09/29/2019 02:42	WG1354017
n-Hexane	0.0118	J J0	0.00296	0.0140	2.06	09/29/2019 02:42	WG1354017
Iodomethane	U		0.0170	0.0350	2.06	09/29/2019 02:42	WG1354017
Isopropylbenzene	U		0.00242	0.00700	2.06	09/29/2019 02:42	WG1354017
p-Isopropyltoluene	0.00774	J	0.00652	0.0140	2.06	09/29/2019 02:42	WG1354017
2-Butanone (MEK)	U		0.0351	0.0700	2.06	09/29/2019 02:42	WG1354017
Methylene Chloride	0.0263	B J	0.0186	0.0700	2.06	09/29/2019 02:42	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0280	0.0700	2.06	09/29/2019 02:42	WG1354017

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000826	0.00280	2.06	09/29/2019 02:42	WG1354017
Naphthalene	U		0.00874	0.0350	2.06	09/29/2019 02:42	WG1354017
n-Propylbenzene	U		0.00330	0.0140	2.06	09/29/2019 02:42	WG1354017
Styrene	U		0.00764	0.0350	2.06	09/29/2019 02:42	WG1354017
1,1,1,2-Tetrachloroethane	U		0.00140	0.00700	2.06	09/29/2019 02:42	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.00109	0.00700	2.06	09/29/2019 02:42	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.00189	0.00700	2.06	09/29/2019 02:42	WG1354017
Tetrachloroethene	U		0.00196	0.00700	2.06	09/29/2019 02:42	WG1354017
Toluene	0.0469		0.00351	0.0140	2.06	09/29/2019 02:42	WG1354017
1,2,3-Trichlorobenzene	U		0.00175	0.00700	2.06	09/29/2019 02:42	WG1354017
1,2,4-Trichlorobenzene	U		0.0135	0.0350	2.06	09/29/2019 02:42	WG1354017
1,1,1-Trichloroethane	U		0.000769	0.00700	2.06	09/29/2019 02:42	WG1354017
1,1,2-Trichloroethane	U		0.00247	0.00700	2.06	09/29/2019 02:42	WG1354017
Trichloroethene	U		0.00112	0.00280	2.06	09/29/2019 02:42	WG1354017
Trichlorofluoromethane	U		0.00140	0.00700	2.06	09/29/2019 02:42	WG1354017
1,2,3-Trichloropropane	U		0.0143	0.0350	2.06	09/29/2019 02:42	WG1354017
1,2,4-Trimethylbenzene	U		0.00325	0.0140	2.06	09/29/2019 02:42	WG1354017
1,2,3-Trimethylbenzene	U		0.00322	0.0140	2.06	09/29/2019 02:42	WG1354017
1,3,5-Trimethylbenzene	U		0.00302	0.0140	2.06	09/29/2019 02:42	WG1354017
Vinyl acetate	U	J0	0.00985	0.0350	2.06	09/29/2019 02:42	WG1354017
Vinyl chloride	U		0.00192	0.00700	2.06	09/29/2019 02:42	WG1354017
Xylenes, Total	U		0.0134	0.0182	2.06	09/29/2019 02:42	WG1354017
(S) Toluene-d8	*113*			*75.0-131*		*09/29/2019 02:42*	WG1354017
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*09/29/2019 02:42*	WG1354017
(S) 1,2-Dichloroethane-d4	*98.7*			*70.0-130*		*09/29/2019 02:42*	WG1354017

Sample Narrative:

L1141887-04 WG1354017: Dilution due to limited sample volume.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.5		1	09/27/2019 13:17	WG1352844

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.138		0.0680	0.124	4	09/29/2019 03:03	WG1354017
Acrylonitrile	U	J0	0.00944	0.0621	4	09/29/2019 03:03	WG1354017
Benzene	U		0.00199	0.00497	4	09/29/2019 03:03	WG1354017
Bromobenzene	U		0.00522	0.0621	4	09/29/2019 03:03	WG1354017
Bromodichloromethane	U		0.00391	0.0124	4	09/29/2019 03:03	WG1354017
Bromochloromethane	U		0.00561	0.0248	4	09/29/2019 03:03	WG1354017
Bromoform	U		0.0297	0.124	4	09/29/2019 03:03	WG1354017
Bromomethane	U		0.0184	0.0621	4	09/29/2019 03:03	WG1354017
n-Butylbenzene	U		0.0191	0.0621	4	09/29/2019 03:03	WG1354017
sec-Butylbenzene	U		0.0125	0.0621	4	09/29/2019 03:03	WG1354017
tert-Butylbenzene	U		0.00770	0.0248	4	09/29/2019 03:03	WG1354017
Carbon disulfide	U		0.0201	0.0621	4	09/29/2019 03:03	WG1354017
Carbon tetrachloride	U		0.00536	0.0248	4	09/29/2019 03:03	WG1354017
Chlorobenzene	U		0.00284	0.0124	4	09/29/2019 03:03	WG1354017
Chlorodibromomethane	U		0.00224	0.0124	4	09/29/2019 03:03	WG1354017
Chloroethane	U		0.00536	0.0248	4	09/29/2019 03:03	WG1354017
Chloroform	U		0.00206	0.0124	4	09/29/2019 03:03	WG1354017
Chloromethane	U		0.00690	0.0621	4	09/29/2019 03:03	WG1354017
2-Chlorotoluene	U		0.00457	0.0124	4	09/29/2019 03:03	WG1354017
4-Chlorotoluene	U		0.00561	0.0248	4	09/29/2019 03:03	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.0253	0.124	4	09/29/2019 03:03	WG1354017
1,2-Dibromoethane	U		0.00261	0.0124	4	09/29/2019 03:03	WG1354017
Dibromomethane	U		0.00497	0.0248	4	09/29/2019 03:03	WG1354017
1,2-Dichlorobenzene	U		0.00720	0.0248	4	09/29/2019 03:03	WG1354017
1,3-Dichlorobenzene	U		0.00844	0.0248	4	09/29/2019 03:03	WG1354017
1,4-Dichlorobenzene	U		0.00979	0.0248	4	09/29/2019 03:03	WG1354017
Dichlorodifluoromethane	U		0.00406	0.0124	4	09/29/2019 03:03	WG1354017
1,1-Dichloroethane	U		0.00286	0.0124	4	09/29/2019 03:03	WG1354017
1,2-Dichloroethane	U		0.00236	0.0124	4	09/29/2019 03:03	WG1354017
1,1-Dichloroethene	U		0.00248	0.0124	4	09/29/2019 03:03	WG1354017
cis-1,2-Dichloroethene	U		0.00343	0.0124	4	09/29/2019 03:03	WG1354017
trans-1,2-Dichloroethene	U		0.00710	0.0248	4	09/29/2019 03:03	WG1354017
1,2-Dichloropropane	U		0.00631	0.0248	4	09/29/2019 03:03	WG1354017
1,1-Dichloropropene	U		0.00348	0.0124	4	09/29/2019 03:03	WG1354017
1,3-Dichloropropane	U		0.00869	0.0248	4	09/29/2019 03:03	WG1354017
cis-1,3-Dichloropropene	U		0.00337	0.0124	4	09/29/2019 03:03	WG1354017
trans-1,3-Dichloropropene	U		0.00760	0.0248	4	09/29/2019 03:03	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00695	0.0248	4	09/29/2019 03:03	WG1354017
2,2-Dichloropropane	U		0.00394	0.0124	4	09/29/2019 03:03	WG1354017
Di-isopropyl ether	U		0.00174	0.00497	4	09/29/2019 03:03	WG1354017
Ethylbenzene	0.00620	J	0.00263	0.0124	4	09/29/2019 03:03	WG1354017
Hexachloro-1,3-butadiene	U		0.0631	0.124	4	09/29/2019 03:03	WG1354017
2-Hexanone	U		0.0497	0.124	4	09/29/2019 03:03	WG1354017
n-Hexane	U	J0	0.00527	0.0248	4	09/29/2019 03:03	WG1354017
Iodomethane	U		0.0301	0.0621	4	09/29/2019 03:03	WG1354017
Isopropylbenzene	U		0.00428	0.0124	4	09/29/2019 03:03	WG1354017
p-Isopropyltoluene	U		0.0116	0.0248	4	09/29/2019 03:03	WG1354017
2-Butanone (MEK)	U		0.0621	0.124	4	09/29/2019 03:03	WG1354017
Methylene Chloride	0.0517	B J	0.0330	0.124	4	09/29/2019 03:03	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0497	0.124	4	09/29/2019 03:03	WG1354017

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 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00147	0.00497	4	09/29/2019 03:03	WG1354017
Naphthalene	U		0.0155	0.0621	4	09/29/2019 03:03	WG1354017
n-Propylbenzene	U		0.00586	0.0248	4	09/29/2019 03:03	WG1354017
Styrene	U		0.0135	0.0621	4	09/29/2019 03:03	WG1354017
1,1,1,2-Tetrachloroethane	U		0.00248	0.0124	4	09/29/2019 03:03	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.00194	0.0124	4	09/29/2019 03:03	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.00335	0.0124	4	09/29/2019 03:03	WG1354017
Tetrachloroethene	U		0.00348	0.0124	4	09/29/2019 03:03	WG1354017
Toluene	0.196		0.00621	0.0248	4	09/29/2019 03:03	WG1354017
1,2,3-Trichlorobenzene	U		0.00310	0.0124	4	09/29/2019 03:03	WG1354017
1,2,4-Trichlorobenzene	U		0.0240	0.0621	4	09/29/2019 03:03	WG1354017
1,1,1-Trichloroethane	U		0.00137	0.0124	4	09/29/2019 03:03	WG1354017
1,1,2-Trichloroethane	U		0.00438	0.0124	4	09/29/2019 03:03	WG1354017
Trichloroethene	U		0.00199	0.00497	4	09/29/2019 03:03	WG1354017
Trichlorofluoromethane	U		0.00248	0.0124	4	09/29/2019 03:03	WG1354017
1,2,3-Trichloropropane	U		0.0253	0.0621	4	09/29/2019 03:03	WG1354017
1,2,4-Trimethylbenzene	U		0.00576	0.0248	4	09/29/2019 03:03	WG1354017
1,2,3-Trimethylbenzene	U		0.00571	0.0248	4	09/29/2019 03:03	WG1354017
1,3,5-Trimethylbenzene	U		0.00536	0.0248	4	09/29/2019 03:03	WG1354017
Vinyl acetate	U	J0	0.0175	0.0621	4	09/29/2019 03:03	WG1354017
Vinyl chloride	U		0.00339	0.0124	4	09/29/2019 03:03	WG1354017
Xylenes, Total	U		0.0237	0.0323	4	09/29/2019 03:03	WG1354017
(S) Toluene-d8	*111*			*75.0-131*		*09/29/2019 03:03*	WG1354017
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/29/2019 03:03*	WG1354017
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/29/2019 03:03*	WG1354017

Sample Narrative:

L1141887-05 WG1354017: Dilution due to limited sample volume.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	09/27/2019 13:17	WG1352844

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0360	0.0656	2.27	09/29/2019 03:23	WG1354017
Acrylonitrile	U	J0	0.00498	0.0328	2.27	09/29/2019 03:23	WG1354017
Benzene	U		0.00105	0.00263	2.27	09/29/2019 03:23	WG1354017
Bromobenzene	U		0.00275	0.0328	2.27	09/29/2019 03:23	WG1354017
Bromodichloromethane	U		0.00207	0.00656	2.27	09/29/2019 03:23	WG1354017
Bromochloromethane	U		0.00296	0.0131	2.27	09/29/2019 03:23	WG1354017
Bromoform	U		0.0157	0.0656	2.27	09/29/2019 03:23	WG1354017
Bromomethane	U		0.00972	0.0328	2.27	09/29/2019 03:23	WG1354017
n-Butylbenzene	U		0.0101	0.0328	2.27	09/29/2019 03:23	WG1354017
sec-Butylbenzene	U		0.00664	0.0328	2.27	09/29/2019 03:23	WG1354017
tert-Butylbenzene	U		0.00407	0.0131	2.27	09/29/2019 03:23	WG1354017
Carbon disulfide	U		0.0107	0.0328	2.27	09/29/2019 03:23	WG1354017
Carbon tetrachloride	U		0.00283	0.0131	2.27	09/29/2019 03:23	WG1354017
Chlorobenzene	U		0.00150	0.00656	2.27	09/29/2019 03:23	WG1354017
Chlorodibromomethane	U		0.00118	0.00656	2.27	09/29/2019 03:23	WG1354017
Chloroethane	U		0.00283	0.0131	2.27	09/29/2019 03:23	WG1354017
Chloroform	U		0.00109	0.00656	2.27	09/29/2019 03:23	WG1354017
Chloromethane	U		0.00365	0.0328	2.27	09/29/2019 03:23	WG1354017
2-Chlorotoluene	U		0.00242	0.00656	2.27	09/29/2019 03:23	WG1354017
4-Chlorotoluene	U		0.00296	0.0131	2.27	09/29/2019 03:23	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.0134	0.0656	2.27	09/29/2019 03:23	WG1354017
1,2-Dibromoethane	U		0.00138	0.00656	2.27	09/29/2019 03:23	WG1354017
Dibromomethane	U		0.00263	0.0131	2.27	09/29/2019 03:23	WG1354017
1,2-Dichlorobenzene	U		0.00381	0.0131	2.27	09/29/2019 03:23	WG1354017
1,3-Dichlorobenzene	U		0.00446	0.0131	2.27	09/29/2019 03:23	WG1354017
1,4-Dichlorobenzene	U		0.00517	0.0131	2.27	09/29/2019 03:23	WG1354017
Dichlorodifluoromethane	U		0.00215	0.00656	2.27	09/29/2019 03:23	WG1354017
1,1-Dichloroethane	U		0.00150	0.00656	2.27	09/29/2019 03:23	WG1354017
1,2-Dichloroethane	U		0.00125	0.00656	2.27	09/29/2019 03:23	WG1354017
1,1-Dichloroethene	U		0.00132	0.00656	2.27	09/29/2019 03:23	WG1354017
cis-1,2-Dichloroethene	U		0.00182	0.00656	2.27	09/29/2019 03:23	WG1354017
trans-1,2-Dichloroethene	U		0.00376	0.0131	2.27	09/29/2019 03:23	WG1354017
1,2-Dichloropropane	U		0.00333	0.0131	2.27	09/29/2019 03:23	WG1354017
1,1-Dichloropropene	U		0.00184	0.00656	2.27	09/29/2019 03:23	WG1354017
1,3-Dichloropropane	U		0.00459	0.0131	2.27	09/29/2019 03:23	WG1354017
cis-1,3-Dichloropropene	U		0.00178	0.00656	2.27	09/29/2019 03:23	WG1354017
trans-1,3-Dichloropropene	U		0.00401	0.0131	2.27	09/29/2019 03:23	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00368	0.0131	2.27	09/29/2019 03:23	WG1354017
2,2-Dichloropropane	U		0.00208	0.00656	2.27	09/29/2019 03:23	WG1354017
Di-isopropyl ether	U		0.000918	0.00263	2.27	09/29/2019 03:23	WG1354017
Ethylbenzene	0.00392	J	0.00139	0.00656	2.27	09/29/2019 03:23	WG1354017
Hexachloro-1,3-butadiene	U		0.0333	0.0656	2.27	09/29/2019 03:23	WG1354017
2-Hexanone	U		0.0263	0.0656	2.27	09/29/2019 03:23	WG1354017
n-Hexane	U	J0	0.00279	0.0131	2.27	09/29/2019 03:23	WG1354017
Iodomethane	U		0.0158	0.0328	2.27	09/29/2019 03:23	WG1354017
Isopropylbenzene	U		0.00227	0.00656	2.27	09/29/2019 03:23	WG1354017
p-Isopropyltoluene	U		0.00612	0.0131	2.27	09/29/2019 03:23	WG1354017
2-Butanone (MEK)	U		0.0328	0.0656	2.27	09/29/2019 03:23	WG1354017
Methylene Chloride	0.0284	B J	0.0175	0.0656	2.27	09/29/2019 03:23	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0263	0.0656	2.27	09/29/2019 03:23	WG1354017

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000775	0.00263	2.27	09/29/2019 03:23	WG1354017
Naphthalene	U		0.00819	0.0328	2.27	09/29/2019 03:23	WG1354017
n-Propylbenzene	U		0.00310	0.0131	2.27	09/29/2019 03:23	WG1354017
Styrene	U		0.00717	0.0328	2.27	09/29/2019 03:23	WG1354017
1,1,1,2-Tetrachloroethane	U		0.00132	0.00656	2.27	09/29/2019 03:23	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.00102	0.00656	2.27	09/29/2019 03:23	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.00177	0.00656	2.27	09/29/2019 03:23	WG1354017
Tetrachloroethene	U		0.00184	0.00656	2.27	09/29/2019 03:23	WG1354017
Toluene	0.0804		0.00328	0.0131	2.27	09/29/2019 03:23	WG1354017
1,2,3-Trichlorobenzene	U		0.00164	0.00656	2.27	09/29/2019 03:23	WG1354017
1,2,4-Trichlorobenzene	U		0.0126	0.0328	2.27	09/29/2019 03:23	WG1354017
1,1,1-Trichloroethane	U		0.000722	0.00656	2.27	09/29/2019 03:23	WG1354017
1,1,2-Trichloroethane	U		0.00231	0.00656	2.27	09/29/2019 03:23	WG1354017
Trichloroethene	U		0.00105	0.00263	2.27	09/29/2019 03:23	WG1354017
Trichlorofluoromethane	U		0.00132	0.00656	2.27	09/29/2019 03:23	WG1354017
1,2,3-Trichloropropane	U		0.0134	0.0328	2.27	09/29/2019 03:23	WG1354017
1,2,4-Trimethylbenzene	U		0.00304	0.0131	2.27	09/29/2019 03:23	WG1354017
1,2,3-Trimethylbenzene	U		0.00302	0.0131	2.27	09/29/2019 03:23	WG1354017
1,3,5-Trimethylbenzene	U		0.00283	0.0131	2.27	09/29/2019 03:23	WG1354017
Vinyl acetate	U	J0	0.00924	0.0328	2.27	09/29/2019 03:23	WG1354017
Vinyl chloride	U		0.00179	0.00656	2.27	09/29/2019 03:23	WG1354017
Xylenes, Total	0.0180		0.0125	0.0171	2.27	09/29/2019 03:23	WG1354017
(S) Toluene-d8	*112*			*75.0-131*		*09/29/2019 03:23*	WG1354017
(S) 4-Bromofluorobenzene	*98.9*			*67.0-138*		*09/29/2019 03:23*	WG1354017
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*		*09/29/2019 03:23*	WG1354017

Sample Narrative:

L1141887-06 WG1354017: Dilution due to limited sample volume.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.7		1	09/27/2019 13:17	WG1352844

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0793		0.0320	0.0583	2	09/29/2019 03:43	WG1354017
Acrylonitrile	U	J0	0.00443	0.0292	2	09/29/2019 03:43	WG1354017
Benzene	U		0.000933	0.00233	2	09/29/2019 03:43	WG1354017
Bromobenzene	U		0.00245	0.0292	2	09/29/2019 03:43	WG1354017
Bromodichloromethane	U		0.00184	0.00583	2	09/29/2019 03:43	WG1354017
Bromochloromethane	U		0.00264	0.0117	2	09/29/2019 03:43	WG1354017
Bromoform	U		0.0140	0.0583	2	09/29/2019 03:43	WG1354017
Bromomethane	U		0.00863	0.0292	2	09/29/2019 03:43	WG1354017
n-Butylbenzene	U		0.00896	0.0292	2	09/29/2019 03:43	WG1354017
sec-Butylbenzene	U		0.00590	0.0292	2	09/29/2019 03:43	WG1354017
tert-Butylbenzene	U		0.00362	0.0117	2	09/29/2019 03:43	WG1354017
Carbon disulfide	U		0.00947	0.0292	2	09/29/2019 03:43	WG1354017
Carbon tetrachloride	U		0.00252	0.0117	2	09/29/2019 03:43	WG1354017
Chlorobenzene	U		0.00134	0.00583	2	09/29/2019 03:43	WG1354017
Chlorodibromomethane	U		0.00105	0.00583	2	09/29/2019 03:43	WG1354017
Chloroethane	U		0.00252	0.0117	2	09/29/2019 03:43	WG1354017
Chloroform	U		0.000968	0.00583	2	09/29/2019 03:43	WG1354017
Chloromethane	U		0.00324	0.0292	2	09/29/2019 03:43	WG1354017
2-Chlorotoluene	U		0.00215	0.00583	2	09/29/2019 03:43	WG1354017
4-Chlorotoluene	U		0.00264	0.0117	2	09/29/2019 03:43	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.0119	0.0583	2	09/29/2019 03:43	WG1354017
1,2-Dibromoethane	U		0.00122	0.00583	2	09/29/2019 03:43	WG1354017
Dibromomethane	U		0.00233	0.0117	2	09/29/2019 03:43	WG1354017
1,2-Dichlorobenzene	U		0.00338	0.0117	2	09/29/2019 03:43	WG1354017
1,3-Dichlorobenzene	U		0.00397	0.0117	2	09/29/2019 03:43	WG1354017
1,4-Dichlorobenzene	U		0.00460	0.0117	2	09/29/2019 03:43	WG1354017
Dichlorodifluoromethane	U		0.00191	0.00583	2	09/29/2019 03:43	WG1354017
1,1-Dichloroethane	U		0.00134	0.00583	2	09/29/2019 03:43	WG1354017
1,2-Dichloroethane	U		0.00111	0.00583	2	09/29/2019 03:43	WG1354017
1,1-Dichloroethene	U		0.00117	0.00583	2	09/29/2019 03:43	WG1354017
cis-1,2-Dichloroethene	U		0.00161	0.00583	2	09/29/2019 03:43	WG1354017
trans-1,2-Dichloroethene	U		0.00334	0.0117	2	09/29/2019 03:43	WG1354017
1,2-Dichloropropane	U		0.00296	0.0117	2	09/29/2019 03:43	WG1354017
1,1-Dichloropropene	U		0.00163	0.00583	2	09/29/2019 03:43	WG1354017
1,3-Dichloropropane	U		0.00408	0.0117	2	09/29/2019 03:43	WG1354017
cis-1,3-Dichloropropene	U		0.00159	0.00583	2	09/29/2019 03:43	WG1354017
trans-1,3-Dichloropropene	U		0.00357	0.0117	2	09/29/2019 03:43	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00327	0.0117	2	09/29/2019 03:43	WG1354017
2,2-Dichloropropane	U		0.00185	0.00583	2	09/29/2019 03:43	WG1354017
Di-isopropyl ether	U		0.000816	0.00233	2	09/29/2019 03:43	WG1354017
Ethylbenzene	0.00252	J	0.00124	0.00583	2	09/29/2019 03:43	WG1354017
Hexachloro-1,3-butadiene	U		0.0296	0.0583	2	09/29/2019 03:43	WG1354017
2-Hexanone	U		0.0233	0.0583	2	09/29/2019 03:43	WG1354017
n-Hexane	U	J0	0.00247	0.0117	2	09/29/2019 03:43	WG1354017
Iodomethane	U		0.0141	0.0292	2	09/29/2019 03:43	WG1354017
Isopropylbenzene	U		0.00202	0.00583	2	09/29/2019 03:43	WG1354017
p-Isopropyltoluene	U		0.00544	0.0117	2	09/29/2019 03:43	WG1354017
2-Butanone (MEK)	U		0.0292	0.0583	2	09/29/2019 03:43	WG1354017
Methylene Chloride	0.0250	B J	0.0155	0.0583	2	09/29/2019 03:43	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0233	0.0583	2	09/29/2019 03:43	WG1354017

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000688	0.00233	2	09/29/2019 03:43	WG1354017
Naphthalene	U		0.00728	0.0292	2	09/29/2019 03:43	WG1354017
n-Propylbenzene	U		0.00275	0.0117	2	09/29/2019 03:43	WG1354017
Styrene	U		0.00637	0.0292	2	09/29/2019 03:43	WG1354017
1,1,1,2-Tetrachloroethane	U		0.00117	0.00583	2	09/29/2019 03:43	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.000910	0.00583	2	09/29/2019 03:43	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.00157	0.00583	2	09/29/2019 03:43	WG1354017
Tetrachloroethene	U		0.00163	0.00583	2	09/29/2019 03:43	WG1354017
Toluene	0.0325		0.00292	0.0117	2	09/29/2019 03:43	WG1354017
1,2,3-Trichlorobenzene	U		0.00146	0.00583	2	09/29/2019 03:43	WG1354017
1,2,4-Trichlorobenzene	U		0.0112	0.0292	2	09/29/2019 03:43	WG1354017
1,1,1-Trichloroethane	U		0.000642	0.00583	2	09/29/2019 03:43	WG1354017
1,1,2-Trichloroethane	U		0.00206	0.00583	2	09/29/2019 03:43	WG1354017
Trichloroethene	U		0.000933	0.00233	2	09/29/2019 03:43	WG1354017
Trichlorofluoromethane	U		0.00117	0.00583	2	09/29/2019 03:43	WG1354017
1,2,3-Trichloropropane	U		0.0119	0.0292	2	09/29/2019 03:43	WG1354017
1,2,4-Trimethylbenzene	U		0.00271	0.0117	2	09/29/2019 03:43	WG1354017
1,2,3-Trimethylbenzene	U		0.00268	0.0117	2	09/29/2019 03:43	WG1354017
1,3,5-Trimethylbenzene	U		0.00252	0.0117	2	09/29/2019 03:43	WG1354017
Vinyl acetate	U	J0	0.00821	0.0292	2	09/29/2019 03:43	WG1354017
Vinyl chloride	U		0.00160	0.00583	2	09/29/2019 03:43	WG1354017
Xylenes, Total	U		0.0112	0.0152	2	09/29/2019 03:43	WG1354017
(S) Toluene-d8	*109*			*75.0-131*		*09/29/2019 03:43*	WG1354017
(S) 4-Bromofluorobenzene	*98.7*			*67.0-138*		*09/29/2019 03:43*	WG1354017
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/29/2019 03:43*	WG1354017

Sample Narrative:

L1141887-07 WG1354017: Dilution due to limited sample volume.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.3		1	09/27/2019 13:17	WG1352844

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0604		0.0161	0.0293	1	09/29/2019 04:04	WG1354017
Acrylonitrile	U	J0	0.00223	0.0146	1	09/29/2019 04:04	WG1354017
Benzene	0.000752	J	0.000469	0.00117	1	09/29/2019 04:04	WG1354017
Bromobenzene	U		0.00123	0.0146	1	09/29/2019 04:04	WG1354017
Bromodichloromethane	U		0.000924	0.00293	1	09/29/2019 04:04	WG1354017
Bromochloromethane	U		0.00132	0.00586	1	09/29/2019 04:04	WG1354017
Bromoform	U		0.00701	0.0293	1	09/29/2019 04:04	WG1354017
Bromomethane	U		0.00434	0.0146	1	09/29/2019 04:04	WG1354017
n-Butylbenzene	U		0.00450	0.0146	1	09/29/2019 04:04	WG1354017
sec-Butylbenzene	U		0.00297	0.0146	1	09/29/2019 04:04	WG1354017
tert-Butylbenzene	U		0.00182	0.00586	1	09/29/2019 04:04	WG1354017
Carbon disulfide	U		0.00476	0.0146	1	09/29/2019 04:04	WG1354017
Carbon tetrachloride	U		0.00127	0.00586	1	09/29/2019 04:04	WG1354017
Chlorobenzene	U		0.000672	0.00293	1	09/29/2019 04:04	WG1354017
Chlorodibromomethane	U		0.000527	0.00293	1	09/29/2019 04:04	WG1354017
Chloroethane	U		0.00127	0.00586	1	09/29/2019 04:04	WG1354017
Chloroform	U		0.000486	0.00293	1	09/29/2019 04:04	WG1354017
Chloromethane	U		0.00163	0.0146	1	09/29/2019 04:04	WG1354017
2-Chlorotoluene	U		0.00108	0.00293	1	09/29/2019 04:04	WG1354017
4-Chlorotoluene	U		0.00132	0.00586	1	09/29/2019 04:04	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.00598	0.0293	1	09/29/2019 04:04	WG1354017
1,2-Dibromoethane	U		0.000615	0.00293	1	09/29/2019 04:04	WG1354017
Dibromomethane	U		0.00117	0.00586	1	09/29/2019 04:04	WG1354017
1,2-Dichlorobenzene	U		0.00170	0.00586	1	09/29/2019 04:04	WG1354017
1,3-Dichlorobenzene	U		0.00199	0.00586	1	09/29/2019 04:04	WG1354017
1,4-Dichlorobenzene	U		0.00231	0.00586	1	09/29/2019 04:04	WG1354017
Dichlorodifluoromethane	U		0.000959	0.00293	1	09/29/2019 04:04	WG1354017
1,1-Dichloroethane	U		0.000674	0.00293	1	09/29/2019 04:04	WG1354017
1,2-Dichloroethane	U		0.000557	0.00293	1	09/29/2019 04:04	WG1354017
1,1-Dichloroethene	U		0.000586	0.00293	1	09/29/2019 04:04	WG1354017
cis-1,2-Dichloroethene	0.00613		0.000809	0.00293	1	09/29/2019 04:04	WG1354017
trans-1,2-Dichloroethene	U		0.00168	0.00586	1	09/29/2019 04:04	WG1354017
1,2-Dichloropropane	U		0.00149	0.00586	1	09/29/2019 04:04	WG1354017
1,1-Dichloropropene	U		0.000820	0.00293	1	09/29/2019 04:04	WG1354017
1,3-Dichloropropane	U		0.00205	0.00586	1	09/29/2019 04:04	WG1354017
cis-1,3-Dichloropropene	U		0.000795	0.00293	1	09/29/2019 04:04	WG1354017
trans-1,3-Dichloropropene	U		0.00179	0.00586	1	09/29/2019 04:04	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00164	0.00586	1	09/29/2019 04:04	WG1354017
2,2-Dichloropropane	U		0.000929	0.00293	1	09/29/2019 04:04	WG1354017
Di-isopropyl ether	U		0.000410	0.00117	1	09/29/2019 04:04	WG1354017
Ethylbenzene	0.000683	J	0.000621	0.00293	1	09/29/2019 04:04	WG1354017
Hexachloro-1,3-butadiene	U		0.0149	0.0293	1	09/29/2019 04:04	WG1354017
2-Hexanone	U		0.0117	0.0293	1	09/29/2019 04:04	WG1354017
n-Hexane	0.00799	J0	0.00124	0.00586	1	09/29/2019 04:04	WG1354017
Iodomethane	U		0.00709	0.0146	1	09/29/2019 04:04	WG1354017
Isopropylbenzene	U		0.00101	0.00293	1	09/29/2019 04:04	WG1354017
p-Isopropyltoluene	U		0.00273	0.00586	1	09/29/2019 04:04	WG1354017
2-Butanone (MEK)	U		0.0146	0.0293	1	09/29/2019 04:04	WG1354017
Methylene Chloride	0.0153	B J	0.00778	0.0293	1	09/29/2019 04:04	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0293	1	09/29/2019 04:04	WG1354017

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000346	0.00117	1	09/29/2019 04:04	WG1354017
Naphthalene	U		0.00366	0.0146	1	09/29/2019 04:04	WG1354017
n-Propylbenzene	U		0.00138	0.00586	1	09/29/2019 04:04	WG1354017
Styrene	U		0.00320	0.0146	1	09/29/2019 04:04	WG1354017
1,1,1,2-Tetrachloroethane	U		0.000586	0.00293	1	09/29/2019 04:04	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.000457	0.00293	1	09/29/2019 04:04	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.000791	0.00293	1	09/29/2019 04:04	WG1354017
Tetrachloroethene	0.00251	J	0.000820	0.00293	1	09/29/2019 04:04	WG1354017
Toluene	0.0152		0.00146	0.00586	1	09/29/2019 04:04	WG1354017
1,2,3-Trichlorobenzene	U		0.000732	0.00293	1	09/29/2019 04:04	WG1354017
1,2,4-Trichlorobenzene	U		0.00565	0.0146	1	09/29/2019 04:04	WG1354017
1,1,1-Trichloroethane	U		0.000322	0.00293	1	09/29/2019 04:04	WG1354017
1,1,2-Trichloroethane	U		0.00103	0.00293	1	09/29/2019 04:04	WG1354017
Trichloroethene	0.00304		0.000469	0.00117	1	09/29/2019 04:04	WG1354017
Trichlorofluoromethane	U		0.000586	0.00293	1	09/29/2019 04:04	WG1354017
1,2,3-Trichloropropane	U		0.00598	0.0146	1	09/29/2019 04:04	WG1354017
1,2,4-Trimethylbenzene	U		0.00136	0.00586	1	09/29/2019 04:04	WG1354017
1,2,3-Trimethylbenzene	U		0.00135	0.00586	1	09/29/2019 04:04	WG1354017
1,3,5-Trimethylbenzene	U		0.00127	0.00586	1	09/29/2019 04:04	WG1354017
Vinyl acetate	U	J0	0.00413	0.0146	1	09/29/2019 04:04	WG1354017
Vinyl chloride	U		0.000800	0.00293	1	09/29/2019 04:04	WG1354017
Xylenes, Total	U		0.00560	0.00762	1	09/29/2019 04:04	WG1354017
(S) Toluene-d8	*111*			*75.0-131*		*09/29/2019 04:04*	WG1354017
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/29/2019 04:04*	WG1354017
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/29/2019 04:04*	WG1354017

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.7		1	09/27/2019 13:17	WG1352844

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0437		0.0172	0.0314	1	09/29/2019 04:24	WG1354017
Acrylonitrile	U	J0	0.00238	0.0157	1	09/29/2019 04:24	WG1354017
Benzene	U		0.000502	0.00126	1	09/29/2019 04:24	WG1354017
Bromobenzene	U		0.00132	0.0157	1	09/29/2019 04:24	WG1354017
Bromodichloromethane	U		0.000989	0.00314	1	09/29/2019 04:24	WG1354017
Bromochloromethane	U		0.00142	0.00628	1	09/29/2019 04:24	WG1354017
Bromoform	U		0.00751	0.0314	1	09/29/2019 04:24	WG1354017
Bromomethane	U		0.00464	0.0157	1	09/29/2019 04:24	WG1354017
n-Butylbenzene	U		0.00482	0.0157	1	09/29/2019 04:24	WG1354017
sec-Butylbenzene	U		0.00318	0.0157	1	09/29/2019 04:24	WG1354017
tert-Butylbenzene	U		0.00195	0.00628	1	09/29/2019 04:24	WG1354017
Carbon disulfide	U		0.00510	0.0157	1	09/29/2019 04:24	WG1354017
Carbon tetrachloride	U		0.00136	0.00628	1	09/29/2019 04:24	WG1354017
Chlorobenzene	U		0.000719	0.00314	1	09/29/2019 04:24	WG1354017
Chlorodibromomethane	U		0.000565	0.00314	1	09/29/2019 04:24	WG1354017
Chloroethane	U		0.00136	0.00628	1	09/29/2019 04:24	WG1354017
Chloroform	U		0.000521	0.00314	1	09/29/2019 04:24	WG1354017
Chloromethane	U		0.00174	0.0157	1	09/29/2019 04:24	WG1354017
2-Chlorotoluene	U		0.00115	0.00314	1	09/29/2019 04:24	WG1354017
4-Chlorotoluene	U		0.00142	0.00628	1	09/29/2019 04:24	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.00640	0.0314	1	09/29/2019 04:24	WG1354017
1,2-Dibromoethane	U		0.000659	0.00314	1	09/29/2019 04:24	WG1354017
Dibromomethane	U		0.00126	0.00628	1	09/29/2019 04:24	WG1354017
1,2-Dichlorobenzene	U		0.00182	0.00628	1	09/29/2019 04:24	WG1354017
1,3-Dichlorobenzene	U		0.00213	0.00628	1	09/29/2019 04:24	WG1354017
1,4-Dichlorobenzene	U		0.00247	0.00628	1	09/29/2019 04:24	WG1354017
Dichlorodifluoromethane	U		0.00103	0.00314	1	09/29/2019 04:24	WG1354017
1,1-Dichloroethane	U		0.000722	0.00314	1	09/29/2019 04:24	WG1354017
1,2-Dichloroethane	U		0.000596	0.00314	1	09/29/2019 04:24	WG1354017
1,1-Dichloroethene	0.000838	J	0.000628	0.00314	1	09/29/2019 04:24	WG1354017
cis-1,2-Dichloroethene	0.265		0.000866	0.00314	1	09/29/2019 04:24	WG1354017
trans-1,2-Dichloroethene	0.00184	J	0.00179	0.00628	1	09/29/2019 04:24	WG1354017
1,2-Dichloropropane	U		0.00159	0.00628	1	09/29/2019 04:24	WG1354017
1,1-Dichloropropene	U		0.000879	0.00314	1	09/29/2019 04:24	WG1354017
1,3-Dichloropropane	U		0.00220	0.00628	1	09/29/2019 04:24	WG1354017
cis-1,3-Dichloropropene	U		0.000851	0.00314	1	09/29/2019 04:24	WG1354017
trans-1,3-Dichloropropene	U		0.00192	0.00628	1	09/29/2019 04:24	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00176	0.00628	1	09/29/2019 04:24	WG1354017
2,2-Dichloropropane	U		0.000995	0.00314	1	09/29/2019 04:24	WG1354017
Di-isopropyl ether	U		0.000439	0.00126	1	09/29/2019 04:24	WG1354017
Ethylbenzene	U		0.000665	0.00314	1	09/29/2019 04:24	WG1354017
Hexachloro-1,3-butadiene	U		0.0159	0.0314	1	09/29/2019 04:24	WG1354017
2-Hexanone	U		0.0126	0.0314	1	09/29/2019 04:24	WG1354017
n-Hexane	U	J0	0.00133	0.00628	1	09/29/2019 04:24	WG1354017
Iodomethane	U		0.00759	0.0157	1	09/29/2019 04:24	WG1354017
Isopropylbenzene	U		0.00108	0.00314	1	09/29/2019 04:24	WG1354017
p-Isopropyltoluene	U		0.00292	0.00628	1	09/29/2019 04:24	WG1354017
2-Butanone (MEK)	U		0.0157	0.0314	1	09/29/2019 04:24	WG1354017
Methylene Chloride	0.0116	B J	0.00833	0.0314	1	09/29/2019 04:24	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0126	0.0314	1	09/29/2019 04:24	WG1354017

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000370	0.00126	1	09/29/2019 04:24	WG1354017
Naphthalene	U		0.00392	0.0157	1	09/29/2019 04:24	WG1354017
n-Propylbenzene	U		0.00148	0.00628	1	09/29/2019 04:24	WG1354017
Styrene	U		0.00343	0.0157	1	09/29/2019 04:24	WG1354017
1,1,1,2-Tetrachloroethane	U		0.000628	0.00314	1	09/29/2019 04:24	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.000490	0.00314	1	09/29/2019 04:24	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.000847	0.00314	1	09/29/2019 04:24	WG1354017
Tetrachloroethene	1.25		0.000879	0.00314	1	09/29/2019 04:24	WG1354017
Toluene	0.00613	J	0.00157	0.00628	1	09/29/2019 04:24	WG1354017
1,2,3-Trichlorobenzene	U		0.000784	0.00314	1	09/29/2019 04:24	WG1354017
1,2,4-Trichlorobenzene	U		0.00605	0.0157	1	09/29/2019 04:24	WG1354017
1,1,1-Trichloroethane	U		0.000345	0.00314	1	09/29/2019 04:24	WG1354017
1,1,2-Trichloroethane	U		0.00111	0.00314	1	09/29/2019 04:24	WG1354017
Trichloroethene	0.169		0.000502	0.00126	1	09/29/2019 04:24	WG1354017
Trichlorofluoromethane	U		0.000628	0.00314	1	09/29/2019 04:24	WG1354017
1,2,3-Trichloropropane	U		0.00640	0.0157	1	09/29/2019 04:24	WG1354017
1,2,4-Trimethylbenzene	U		0.00146	0.00628	1	09/29/2019 04:24	WG1354017
1,2,3-Trimethylbenzene	U		0.00144	0.00628	1	09/29/2019 04:24	WG1354017
1,3,5-Trimethylbenzene	U		0.00136	0.00628	1	09/29/2019 04:24	WG1354017
Vinyl acetate	U	J0	0.00442	0.0157	1	09/29/2019 04:24	WG1354017
Vinyl chloride	U		0.000857	0.00314	1	09/29/2019 04:24	WG1354017
Xylenes, Total	U		0.00600	0.00816	1	09/29/2019 04:24	WG1354017
(S) Toluene-d8	*110*			*75.0-131*		*09/29/2019 04:24*	WG1354017
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/29/2019 04:24*	WG1354017
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/29/2019 04:24*	WG1354017

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.6		1	09/27/2019 13:17	WG1352844

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0416		0.0160	0.0292	1	09/29/2019 04:44	WG1354017
Acrylonitrile	U	J0	0.00222	0.0146	1	09/29/2019 04:44	WG1354017
Benzene	0.000485	J	0.000467	0.00117	1	09/29/2019 04:44	WG1354017
Bromobenzene	U		0.00123	0.0146	1	09/29/2019 04:44	WG1354017
Bromodichloromethane	U		0.000920	0.00292	1	09/29/2019 04:44	WG1354017
Bromochloromethane	U		0.00132	0.00584	1	09/29/2019 04:44	WG1354017
Bromoform	U		0.00698	0.0292	1	09/29/2019 04:44	WG1354017
Bromomethane	U		0.00432	0.0146	1	09/29/2019 04:44	WG1354017
n-Butylbenzene	U		0.00448	0.0146	1	09/29/2019 04:44	WG1354017
sec-Butylbenzene	U		0.00295	0.0146	1	09/29/2019 04:44	WG1354017
tert-Butylbenzene	U		0.00181	0.00584	1	09/29/2019 04:44	WG1354017
Carbon disulfide	U		0.00474	0.0146	1	09/29/2019 04:44	WG1354017
Carbon tetrachloride	U		0.00126	0.00584	1	09/29/2019 04:44	WG1354017
Chlorobenzene	U		0.000669	0.00292	1	09/29/2019 04:44	WG1354017
Chlorodibromomethane	U		0.000525	0.00292	1	09/29/2019 04:44	WG1354017
Chloroethane	U		0.00126	0.00584	1	09/29/2019 04:44	WG1354017
Chloroform	U		0.000485	0.00292	1	09/29/2019 04:44	WG1354017
Chloromethane	U		0.00162	0.0146	1	09/29/2019 04:44	WG1354017
2-Chlorotoluene	U		0.00107	0.00292	1	09/29/2019 04:44	WG1354017
4-Chlorotoluene	U		0.00132	0.00584	1	09/29/2019 04:44	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.00595	0.0292	1	09/29/2019 04:44	WG1354017
1,2-Dibromoethane	U		0.000613	0.00292	1	09/29/2019 04:44	WG1354017
Dibromomethane	U		0.00117	0.00584	1	09/29/2019 04:44	WG1354017
1,2-Dichlorobenzene	U		0.00169	0.00584	1	09/29/2019 04:44	WG1354017
1,3-Dichlorobenzene	U		0.00198	0.00584	1	09/29/2019 04:44	WG1354017
1,4-Dichlorobenzene	U		0.00230	0.00584	1	09/29/2019 04:44	WG1354017
Dichlorodifluoromethane	U		0.000955	0.00292	1	09/29/2019 04:44	WG1354017
1,1-Dichloroethane	U		0.000671	0.00292	1	09/29/2019 04:44	WG1354017
1,2-Dichloroethane	U		0.000555	0.00292	1	09/29/2019 04:44	WG1354017
1,1-Dichloroethene	0.000999	J	0.000584	0.00292	1	09/29/2019 04:44	WG1354017
cis-1,2-Dichloroethene	0.232		0.000806	0.00292	1	09/29/2019 04:44	WG1354017
trans-1,2-Dichloroethene	0.00195	J	0.00167	0.00584	1	09/29/2019 04:44	WG1354017
1,2-Dichloropropane	U		0.00148	0.00584	1	09/29/2019 04:44	WG1354017
1,1-Dichloropropene	U		0.000817	0.00292	1	09/29/2019 04:44	WG1354017
1,3-Dichloropropane	U		0.00204	0.00584	1	09/29/2019 04:44	WG1354017
cis-1,3-Dichloropropene	U		0.000792	0.00292	1	09/29/2019 04:44	WG1354017
trans-1,3-Dichloropropene	U		0.00179	0.00584	1	09/29/2019 04:44	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00163	0.00584	1	09/29/2019 04:44	WG1354017
2,2-Dichloropropane	U		0.000926	0.00292	1	09/29/2019 04:44	WG1354017
Di-isopropyl ether	U		0.000409	0.00117	1	09/29/2019 04:44	WG1354017
Ethylbenzene	U		0.000619	0.00292	1	09/29/2019 04:44	WG1354017
Hexachloro-1,3-butadiene	U		0.0148	0.0292	1	09/29/2019 04:44	WG1354017
2-Hexanone	U		0.0117	0.0292	1	09/29/2019 04:44	WG1354017
n-Hexane	0.00800	J0	0.00124	0.00584	1	09/29/2019 04:44	WG1354017
Iodomethane	U		0.00706	0.0146	1	09/29/2019 04:44	WG1354017
Isopropylbenzene	U		0.00101	0.00292	1	09/29/2019 04:44	WG1354017
p-Isopropyltoluene	U		0.00272	0.00584	1	09/29/2019 04:44	WG1354017
2-Butanone (MEK)	U		0.0146	0.0292	1	09/29/2019 04:44	WG1354017
Methylene Chloride	0.0130	B J	0.00775	0.0292	1	09/29/2019 04:44	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0292	1	09/29/2019 04:44	WG1354017

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000344	0.00117	1	09/29/2019 04:44	WG1354017
Naphthalene	U		0.00364	0.0146	1	09/29/2019 04:44	WG1354017
n-Propylbenzene	U		0.00138	0.00584	1	09/29/2019 04:44	WG1354017
Styrene	U		0.00319	0.0146	1	09/29/2019 04:44	WG1354017
1,1,1,2-Tetrachloroethane	U		0.000584	0.00292	1	09/29/2019 04:44	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.000455	0.00292	1	09/29/2019 04:44	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.000788	0.00292	1	09/29/2019 04:44	WG1354017
Tetrachloroethene	1.31		0.000817	0.00292	1	09/29/2019 04:44	WG1354017
Toluene	0.0181		0.00146	0.00584	1	09/29/2019 04:44	WG1354017
1,2,3-Trichlorobenzene	U		0.000730	0.00292	1	09/29/2019 04:44	WG1354017
1,2,4-Trichlorobenzene	U		0.00563	0.0146	1	09/29/2019 04:44	WG1354017
1,1,1-Trichloroethane	U		0.000321	0.00292	1	09/29/2019 04:44	WG1354017
1,1,2-Trichloroethane	U		0.00103	0.00292	1	09/29/2019 04:44	WG1354017
Trichloroethene	0.151		0.000467	0.00117	1	09/29/2019 04:44	WG1354017
Trichlorofluoromethane	U		0.000584	0.00292	1	09/29/2019 04:44	WG1354017
1,2,3-Trichloropropane	U		0.00595	0.0146	1	09/29/2019 04:44	WG1354017
1,2,4-Trimethylbenzene	U		0.00135	0.00584	1	09/29/2019 04:44	WG1354017
1,2,3-Trimethylbenzene	U		0.00134	0.00584	1	09/29/2019 04:44	WG1354017
1,3,5-Trimethylbenzene	U		0.00126	0.00584	1	09/29/2019 04:44	WG1354017
Vinyl acetate	U	J0	0.00411	0.0146	1	09/29/2019 04:44	WG1354017
Vinyl chloride	U		0.000797	0.00292	1	09/29/2019 04:44	WG1354017
Xylenes, Total	U		0.00558	0.00759	1	09/29/2019 04:44	WG1354017
(S) Toluene-d8	*111*			*75.0-131*		*09/29/2019 04:44*	WG1354017
(S) 4-Bromofluorobenzene	*98.1*			*67.0-138*		*09/29/2019 04:44*	WG1354017
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/29/2019 04:44*	WG1354017

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	09/27/2019 11:08	WG1352847

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0466		0.0151	0.0276	1	09/29/2019 05:04	WG1354017
Acrylonitrile	U	J0	0.00210	0.0138	1	09/29/2019 05:04	WG1354017
Benzene	0.000690	J	0.000442	0.00111	1	09/29/2019 05:04	WG1354017
Bromobenzene	U		0.00116	0.0138	1	09/29/2019 05:04	WG1354017
Bromodichloromethane	U		0.000871	0.00276	1	09/29/2019 05:04	WG1354017
Bromochloromethane	U		0.00125	0.00553	1	09/29/2019 05:04	WG1354017
Bromoform	U		0.00661	0.0276	1	09/29/2019 05:04	WG1354017
Bromomethane	U		0.00409	0.0138	1	09/29/2019 05:04	WG1354017
n-Butylbenzene	U		0.00425	0.0138	1	09/29/2019 05:04	WG1354017
sec-Butylbenzene	U		0.00280	0.0138	1	09/29/2019 05:04	WG1354017
tert-Butylbenzene	U		0.00171	0.00553	1	09/29/2019 05:04	WG1354017
Carbon disulfide	U		0.00449	0.0138	1	09/29/2019 05:04	WG1354017
Carbon tetrachloride	U		0.00119	0.00553	1	09/29/2019 05:04	WG1354017
Chlorobenzene	U		0.000633	0.00276	1	09/29/2019 05:04	WG1354017
Chlorodibromomethane	U		0.000498	0.00276	1	09/29/2019 05:04	WG1354017
Chloroethane	U		0.00119	0.00553	1	09/29/2019 05:04	WG1354017
Chloroform	U		0.000459	0.00276	1	09/29/2019 05:04	WG1354017
Chloromethane	U		0.00154	0.0138	1	09/29/2019 05:04	WG1354017
2-Chlorotoluene	U		0.00102	0.00276	1	09/29/2019 05:04	WG1354017
4-Chlorotoluene	U		0.00125	0.00553	1	09/29/2019 05:04	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.00564	0.0276	1	09/29/2019 05:04	WG1354017
1,2-Dibromoethane	U		0.000580	0.00276	1	09/29/2019 05:04	WG1354017
Dibromomethane	U		0.00111	0.00553	1	09/29/2019 05:04	WG1354017
1,2-Dichlorobenzene	U		0.00160	0.00553	1	09/29/2019 05:04	WG1354017
1,3-Dichlorobenzene	U		0.00188	0.00553	1	09/29/2019 05:04	WG1354017
1,4-Dichlorobenzene	U		0.00218	0.00553	1	09/29/2019 05:04	WG1354017
Dichlorodifluoromethane	U		0.000904	0.00276	1	09/29/2019 05:04	WG1354017
1,1-Dichloroethane	U		0.000636	0.00276	1	09/29/2019 05:04	WG1354017
1,2-Dichloroethane	U		0.000525	0.00276	1	09/29/2019 05:04	WG1354017
1,1-Dichloroethene	0.00508		0.000553	0.00276	1	09/29/2019 05:04	WG1354017
cis-1,2-Dichloroethene	0.545		0.000763	0.00276	1	09/29/2019 05:04	WG1354017
trans-1,2-Dichloroethene	0.00191	J	0.00158	0.00553	1	09/29/2019 05:04	WG1354017
1,2-Dichloropropane	U		0.00140	0.00553	1	09/29/2019 05:04	WG1354017
1,1-Dichloropropene	U		0.000774	0.00276	1	09/29/2019 05:04	WG1354017
1,3-Dichloropropane	U		0.00193	0.00553	1	09/29/2019 05:04	WG1354017
cis-1,3-Dichloropropene	U		0.000750	0.00276	1	09/29/2019 05:04	WG1354017
trans-1,3-Dichloropropene	U		0.00169	0.00553	1	09/29/2019 05:04	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00155	0.00553	1	09/29/2019 05:04	WG1354017
2,2-Dichloropropane	U		0.000877	0.00276	1	09/29/2019 05:04	WG1354017
Di-isopropyl ether	U		0.000387	0.00111	1	09/29/2019 05:04	WG1354017
Ethylbenzene	U		0.000586	0.00276	1	09/29/2019 05:04	WG1354017
Hexachloro-1,3-butadiene	U		0.0140	0.0276	1	09/29/2019 05:04	WG1354017
2-Hexanone	U		0.0111	0.0276	1	09/29/2019 05:04	WG1354017
n-Hexane	0.00470	J J0	0.00117	0.00553	1	09/29/2019 05:04	WG1354017
Iodomethane	U		0.00669	0.0138	1	09/29/2019 05:04	WG1354017
Isopropylbenzene	U		0.000954	0.00276	1	09/29/2019 05:04	WG1354017
p-Isopropyltoluene	U		0.00258	0.00553	1	09/29/2019 05:04	WG1354017
2-Butanone (MEK)	U		0.0138	0.0276	1	09/29/2019 05:04	WG1354017
Methylene Chloride	0.00939	B J	0.00734	0.0276	1	09/29/2019 05:04	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0111	0.0276	1	09/29/2019 05:04	WG1354017

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000326	0.00111	1	09/29/2019 05:04	WG1354017
Naphthalene	U		0.00345	0.0138	1	09/29/2019 05:04	WG1354017
n-Propylbenzene	U		0.00130	0.00553	1	09/29/2019 05:04	WG1354017
Styrene	U		0.00302	0.0138	1	09/29/2019 05:04	WG1354017
1,1,1,2-Tetrachloroethane	U		0.000553	0.00276	1	09/29/2019 05:04	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.000431	0.00276	1	09/29/2019 05:04	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.000746	0.00276	1	09/29/2019 05:04	WG1354017
Tetrachloroethene	2.31		0.0155	0.0553	20	10/01/2019 21:06	WG1354779
Toluene	0.0106		0.00138	0.00553	1	09/29/2019 05:04	WG1354017
1,2,3-Trichlorobenzene	U		0.000691	0.00276	1	09/29/2019 05:04	WG1354017
1,2,4-Trichlorobenzene	U		0.00533	0.0138	1	09/29/2019 05:04	WG1354017
1,1,1-Trichloroethane	U		0.000304	0.00276	1	09/29/2019 05:04	WG1354017
1,1,2-Trichloroethane	U		0.000976	0.00276	1	09/29/2019 05:04	WG1354017
Trichloroethene	0.895		0.000442	0.00111	1	09/29/2019 05:04	WG1354017
Trichlorofluoromethane	U		0.000553	0.00276	1	09/29/2019 05:04	WG1354017
1,2,3-Trichloropropane	U		0.00564	0.0138	1	09/29/2019 05:04	WG1354017
1,2,4-Trimethylbenzene	U		0.00128	0.00553	1	09/29/2019 05:04	WG1354017
1,2,3-Trimethylbenzene	U		0.00127	0.00553	1	09/29/2019 05:04	WG1354017
1,3,5-Trimethylbenzene	U		0.00119	0.00553	1	09/29/2019 05:04	WG1354017
Vinyl acetate	U	J0	0.00389	0.0138	1	09/29/2019 05:04	WG1354017
Vinyl chloride	0.0235		0.000755	0.00276	1	09/29/2019 05:04	WG1354017
Xylenes, Total	U		0.00528	0.00719	1	09/29/2019 05:04	WG1354017
(S) Toluene-d8	*109*			*75.0-131*		*09/29/2019 05:04*	WG1354017
(S) Toluene-d8	*109*			*75.0-131*		*10/01/2019 21:06*	WG1354779
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/29/2019 05:04*	WG1354017
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*10/01/2019 21:06*	WG1354779
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/29/2019 05:04*	WG1354017
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*10/01/2019 21:06*	WG1354779

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.3		1	09/27/2019 11:08	WG1352847

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0887		0.0300	0.0548	2	09/29/2019 05:25	WG1354017
Acrylonitrile	U	J0	0.00416	0.0274	2	09/29/2019 05:25	WG1354017
Benzene	U		0.000877	0.00219	2	09/29/2019 05:25	WG1354017
Bromobenzene	U		0.00230	0.0274	2	09/29/2019 05:25	WG1354017
Bromodichloromethane	U		0.00173	0.00548	2	09/29/2019 05:25	WG1354017
Bromochloromethane	U		0.00248	0.0110	2	09/29/2019 05:25	WG1354017
Bromoform	U		0.0131	0.0548	2	09/29/2019 05:25	WG1354017
Bromomethane	U		0.00811	0.0274	2	09/29/2019 05:25	WG1354017
n-Butylbenzene	U		0.00842	0.0274	2	09/29/2019 05:25	WG1354017
sec-Butylbenzene	U		0.00554	0.0274	2	09/29/2019 05:25	WG1354017
tert-Butylbenzene	U		0.00340	0.0110	2	09/29/2019 05:25	WG1354017
Carbon disulfide	U		0.00890	0.0274	2	09/29/2019 05:25	WG1354017
Carbon tetrachloride	U		0.00237	0.0110	2	09/29/2019 05:25	WG1354017
Chlorobenzene	U		0.00126	0.00548	2	09/29/2019 05:25	WG1354017
Chlorodibromomethane	U		0.000986	0.00548	2	09/29/2019 05:25	WG1354017
Chloroethane	U		0.00237	0.0110	2	09/29/2019 05:25	WG1354017
Chloroform	U		0.000910	0.00548	2	09/29/2019 05:25	WG1354017
Chloromethane	U		0.00305	0.0274	2	09/29/2019 05:25	WG1354017
2-Chlorotoluene	U		0.00202	0.00548	2	09/29/2019 05:25	WG1354017
4-Chlorotoluene	U		0.00248	0.0110	2	09/29/2019 05:25	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.0112	0.0548	2	09/29/2019 05:25	WG1354017
1,2-Dibromoethane	U		0.00115	0.00548	2	09/29/2019 05:25	WG1354017
Dibromomethane	U		0.00219	0.0110	2	09/29/2019 05:25	WG1354017
1,2-Dichlorobenzene	U		0.00318	0.0110	2	09/29/2019 05:25	WG1354017
1,3-Dichlorobenzene	U		0.00373	0.0110	2	09/29/2019 05:25	WG1354017
1,4-Dichlorobenzene	U		0.00432	0.0110	2	09/29/2019 05:25	WG1354017
Dichlorodifluoromethane	U		0.00180	0.00548	2	09/29/2019 05:25	WG1354017
1,1-Dichloroethane	U		0.00126	0.00548	2	09/29/2019 05:25	WG1354017
1,2-Dichloroethane	U		0.00104	0.00548	2	09/29/2019 05:25	WG1354017
1,1-Dichloroethene	U		0.00110	0.00548	2	09/29/2019 05:25	WG1354017
cis-1,2-Dichloroethene	0.141		0.00151	0.00548	2	09/29/2019 05:25	WG1354017
trans-1,2-Dichloroethene	U		0.00313	0.0110	2	09/29/2019 05:25	WG1354017
1,2-Dichloropropane	U		0.00278	0.0110	2	09/29/2019 05:25	WG1354017
1,1-Dichloropropene	U		0.00153	0.00548	2	09/29/2019 05:25	WG1354017
1,3-Dichloropropane	U		0.00384	0.0110	2	09/29/2019 05:25	WG1354017
cis-1,3-Dichloropropene	U		0.00149	0.00548	2	09/29/2019 05:25	WG1354017
trans-1,3-Dichloropropene	U		0.00335	0.0110	2	09/29/2019 05:25	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00307	0.0110	2	09/29/2019 05:25	WG1354017
2,2-Dichloropropane	U		0.00174	0.00548	2	09/29/2019 05:25	WG1354017
Di-isopropyl ether	U		0.000767	0.00219	2	09/29/2019 05:25	WG1354017
Ethylbenzene	0.00131	J	0.00116	0.00548	2	09/29/2019 05:25	WG1354017
Hexachloro-1,3-butadiene	U		0.0278	0.0548	2	09/29/2019 05:25	WG1354017
2-Hexanone	U		0.0219	0.0548	2	09/29/2019 05:25	WG1354017
n-Hexane	U	J0	0.00232	0.0110	2	09/29/2019 05:25	WG1354017
Iodomethane	U		0.0133	0.0274	2	09/29/2019 05:25	WG1354017
Isopropylbenzene	U		0.00190	0.00548	2	09/29/2019 05:25	WG1354017
p-Isopropyltoluene	U		0.00511	0.0110	2	09/29/2019 05:25	WG1354017
2-Butanone (MEK)	U		0.0274	0.0548	2	09/29/2019 05:25	WG1354017
Methylene Chloride	0.0261	B J	0.0146	0.0548	2	09/29/2019 05:25	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0219	0.0548	2	09/29/2019 05:25	WG1354017

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000647	0.00219	2	09/29/2019 05:25	WG1354017
Naphthalene	U		0.00684	0.0274	2	09/29/2019 05:25	WG1354017
n-Propylbenzene	U		0.00259	0.0110	2	09/29/2019 05:25	WG1354017
Styrene	U		0.00598	0.0274	2	09/29/2019 05:25	WG1354017
1,1,1,2-Tetrachloroethane	U		0.00110	0.00548	2	09/29/2019 05:25	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.000855	0.00548	2	09/29/2019 05:25	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.00148	0.00548	2	09/29/2019 05:25	WG1354017
Tetrachloroethene	0.00274	J	0.00153	0.00548	2	10/01/2019 18:23	WG1354779
Toluene	0.0290		0.00274	0.0110	2	09/29/2019 05:25	WG1354017
1,2,3-Trichlorobenzene	U		0.00137	0.00548	2	09/29/2019 05:25	WG1354017
1,2,4-Trichlorobenzene	U		0.0106	0.0274	2	09/29/2019 05:25	WG1354017
1,1,1-Trichloroethane	U		0.000603	0.00548	2	09/29/2019 05:25	WG1354017
1,1,2-Trichloroethane	U		0.00194	0.00548	2	09/29/2019 05:25	WG1354017
Trichloroethene	0.0106		0.000877	0.00219	2	09/29/2019 05:25	WG1354017
Trichlorofluoromethane	U		0.00110	0.00548	2	09/29/2019 05:25	WG1354017
1,2,3-Trichloropropane	U		0.0112	0.0274	2	09/29/2019 05:25	WG1354017
1,2,4-Trimethylbenzene	U		0.00254	0.0110	2	09/29/2019 05:25	WG1354017
1,2,3-Trimethylbenzene	U		0.00252	0.0110	2	09/29/2019 05:25	WG1354017
1,3,5-Trimethylbenzene	U		0.00237	0.0110	2	09/29/2019 05:25	WG1354017
Vinyl acetate	U	J0	0.00771	0.0274	2	09/29/2019 05:25	WG1354017
Vinyl chloride	0.0232		0.00150	0.00548	2	09/29/2019 05:25	WG1354017
Xylenes, Total	U		0.0105	0.0142	2	09/29/2019 05:25	WG1354017
(S) Toluene-d8	*111*			*75.0-131*		*09/29/2019 05:25*	WG1354017
(S) Toluene-d8	*110*			*75.0-131*		*10/01/2019 18:23*	WG1354779
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*		*09/29/2019 05:25*	WG1354017
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*10/01/2019 18:23*	WG1354779
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/29/2019 05:25*	WG1354017
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*10/01/2019 18:23*	WG1354779

Sample Narrative:

L1141887-12 WG1354017, WG1354779: Dilution due to limited sample volume.

L1141887-12 WG1354017, WG1354779: Lowest possible dilution due to low sample volume.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.4		1	09/27/2019 11:08	WG1352847

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0265		0.0145	0.0265	1	09/29/2019 05:45	WG1354017
Acrylonitrile	U	J0	0.00201	0.0132	1	09/29/2019 05:45	WG1354017
Benzene	U		0.000424	0.00106	1	09/29/2019 05:45	WG1354017
Bromobenzene	U		0.00111	0.0132	1	09/29/2019 05:45	WG1354017
Bromodichloromethane	U		0.000835	0.00265	1	09/29/2019 05:45	WG1354017
Bromochloromethane	U		0.00120	0.00530	1	09/29/2019 05:45	WG1354017
Bromoform	U		0.00634	0.0265	1	09/29/2019 05:45	WG1354017
Bromomethane	U		0.00392	0.0132	1	09/29/2019 05:45	WG1354017
n-Butylbenzene	U		0.00407	0.0132	1	09/29/2019 05:45	WG1354017
sec-Butylbenzene	U		0.00268	0.0132	1	09/29/2019 05:45	WG1354017
tert-Butylbenzene	U		0.00164	0.00530	1	09/29/2019 05:45	WG1354017
Carbon disulfide	U		0.00430	0.0132	1	09/29/2019 05:45	WG1354017
Carbon tetrachloride	U		0.00114	0.00530	1	09/29/2019 05:45	WG1354017
Chlorobenzene	U		0.000607	0.00265	1	09/29/2019 05:45	WG1354017
Chlorodibromomethane	U		0.000477	0.00265	1	09/29/2019 05:45	WG1354017
Chloroethane	U		0.00114	0.00530	1	09/29/2019 05:45	WG1354017
Chloroform	U		0.000440	0.00265	1	09/29/2019 05:45	WG1354017
Chloromethane	U		0.00147	0.0132	1	09/29/2019 05:45	WG1354017
2-Chlorotoluene	U		0.000975	0.00265	1	09/29/2019 05:45	WG1354017
4-Chlorotoluene	U		0.00120	0.00530	1	09/29/2019 05:45	WG1354017
1,2-Dibromo-3-Chloropropane	U	J0	0.00541	0.0265	1	09/29/2019 05:45	WG1354017
1,2-Dibromoethane	U		0.000556	0.00265	1	09/29/2019 05:45	WG1354017
Dibromomethane	U		0.00106	0.00530	1	09/29/2019 05:45	WG1354017
1,2-Dichlorobenzene	U		0.00154	0.00530	1	09/29/2019 05:45	WG1354017
1,3-Dichlorobenzene	U		0.00180	0.00530	1	09/29/2019 05:45	WG1354017
1,4-Dichlorobenzene	U		0.00209	0.00530	1	09/29/2019 05:45	WG1354017
Dichlorodifluoromethane	U		0.000867	0.00265	1	09/29/2019 05:45	WG1354017
1,1-Dichloroethane	U		0.000609	0.00265	1	09/29/2019 05:45	WG1354017
1,2-Dichloroethane	U		0.000503	0.00265	1	09/29/2019 05:45	WG1354017
1,1-Dichloroethene	U		0.000530	0.00265	1	09/29/2019 05:45	WG1354017
cis-1,2-Dichloroethene	0.00153	J	0.000731	0.00265	1	09/29/2019 05:45	WG1354017
trans-1,2-Dichloroethene	U		0.00152	0.00530	1	09/29/2019 05:45	WG1354017
1,2-Dichloropropane	U		0.00135	0.00530	1	09/29/2019 05:45	WG1354017
1,1-Dichloropropene	U		0.000742	0.00265	1	09/29/2019 05:45	WG1354017
1,3-Dichloropropane	U		0.00185	0.00530	1	09/29/2019 05:45	WG1354017
cis-1,3-Dichloropropene	U		0.000719	0.00265	1	09/29/2019 05:45	WG1354017
trans-1,3-Dichloropropene	U		0.00162	0.00530	1	09/29/2019 05:45	WG1354017
trans-1,4-Dichloro-2-butene	U		0.00148	0.00530	1	09/29/2019 05:45	WG1354017
2,2-Dichloropropane	U		0.000840	0.00265	1	09/29/2019 05:45	WG1354017
Di-isopropyl ether	U		0.000371	0.00106	1	09/29/2019 05:45	WG1354017
Ethylbenzene	U		0.000562	0.00265	1	09/29/2019 05:45	WG1354017
Hexachloro-1,3-butadiene	U		0.0135	0.0265	1	09/29/2019 05:45	WG1354017
2-Hexanone	U		0.0106	0.0265	1	09/29/2019 05:45	WG1354017
n-Hexane	0.00513	J J0	0.00112	0.00530	1	09/29/2019 05:45	WG1354017
Iodomethane	U		0.00641	0.0132	1	09/29/2019 05:45	WG1354017
Isopropylbenzene	U		0.000915	0.00265	1	09/29/2019 05:45	WG1354017
p-Isopropyltoluene	U		0.00247	0.00530	1	09/29/2019 05:45	WG1354017
2-Butanone (MEK)	U		0.0132	0.0265	1	09/29/2019 05:45	WG1354017
Methylene Chloride	0.00862	B J	0.00704	0.0265	1	09/29/2019 05:45	WG1354017
4-Methyl-2-pentanone (MIBK)	U		0.0106	0.0265	1	09/29/2019 05:45	WG1354017

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000313	0.00106	1	09/29/2019 05:45	WG1354017
Naphthalene	U		0.00331	0.0132	1	09/29/2019 05:45	WG1354017
n-Propylbenzene	U		0.00125	0.00530	1	09/29/2019 05:45	WG1354017
Styrene	U		0.00289	0.0132	1	09/29/2019 05:45	WG1354017
1,1,1,2-Tetrachloroethane	U		0.000530	0.00265	1	09/29/2019 05:45	WG1354017
1,1,2,2-Tetrachloroethane	U	J0	0.000413	0.00265	1	09/29/2019 05:45	WG1354017
1,1,2-Trichlorotrifluoroethane	U		0.000715	0.00265	1	09/29/2019 05:45	WG1354017
Tetrachloroethene	U		0.000742	0.00265	1	10/01/2019 18:43	WG1354779
Toluene	0.0112		0.00132	0.00530	1	09/29/2019 05:45	WG1354017
1,2,3-Trichlorobenzene	U		0.000662	0.00265	1	09/29/2019 05:45	WG1354017
1,2,4-Trichlorobenzene	U		0.00511	0.0132	1	09/29/2019 05:45	WG1354017
1,1,1-Trichloroethane	U		0.000291	0.00265	1	09/29/2019 05:45	WG1354017
1,1,2-Trichloroethane	U		0.000936	0.00265	1	09/29/2019 05:45	WG1354017
Trichloroethene	0.000817	J	0.000424	0.00106	1	09/29/2019 05:45	WG1354017
Trichlorofluoromethane	U		0.000530	0.00265	1	09/29/2019 05:45	WG1354017
1,2,3-Trichloropropane	U		0.00541	0.0132	1	09/29/2019 05:45	WG1354017
1,2,4-Trimethylbenzene	U		0.00123	0.00530	1	09/29/2019 05:45	WG1354017
1,2,3-Trimethylbenzene	U		0.00122	0.00530	1	09/29/2019 05:45	WG1354017
1,3,5-Trimethylbenzene	U		0.00114	0.00530	1	09/29/2019 05:45	WG1354017
Vinyl acetate	U	J0	0.00373	0.0132	1	09/29/2019 05:45	WG1354017
Vinyl chloride	0.00565		0.000724	0.00265	1	09/29/2019 05:45	WG1354017
Xylenes, Total	U		0.00507	0.00689	1	09/29/2019 05:45	WG1354017
(S) Toluene-d8	*114*			*75.0-131*		*09/29/2019 05:45*	WG1354017
(S) Toluene-d8	*109*			*75.0-131*		*10/01/2019 18:43*	WG1354779
(S) 4-Bromofluorobenzene	*98.7*			*67.0-138*		*09/29/2019 05:45*	WG1354017
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*10/01/2019 18:43*	WG1354779
(S) 1,2-Dichloroethane-d4	*97.7*			*70.0-130*		*09/29/2019 05:45*	WG1354017
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*10/01/2019 18:43*	WG1354779

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	09/27/2019 11:08	WG1352847

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0230	J	0.0151	0.0275	1	10/01/2019 19:03	WG1354779
Acrylonitrile	U	J0	0.00209	0.0138	1	10/01/2019 19:03	WG1354779
Benzene	U		0.000441	0.00110	1	10/01/2019 19:03	WG1354779
Bromobenzene	U		0.00116	0.0138	1	10/01/2019 19:03	WG1354779
Bromodichloromethane	U		0.000868	0.00275	1	10/01/2019 19:03	WG1354779
Bromochloromethane	U		0.00125	0.00551	1	10/01/2019 19:03	WG1354779
Bromoform	U		0.00659	0.0275	1	10/01/2019 19:03	WG1354779
Bromomethane	U		0.00408	0.0138	1	10/01/2019 19:03	WG1354779
n-Butylbenzene	U		0.00423	0.0138	1	10/01/2019 19:03	WG1354779
sec-Butylbenzene	U		0.00279	0.0138	1	10/01/2019 19:03	WG1354779
tert-Butylbenzene	U		0.00171	0.00551	1	10/01/2019 19:03	WG1354779
Carbon disulfide	U		0.00447	0.0138	1	10/01/2019 19:03	WG1354779
Carbon tetrachloride	U		0.00119	0.00551	1	10/01/2019 19:03	WG1354779
Chlorobenzene	U		0.000631	0.00275	1	10/01/2019 19:03	WG1354779
Chlorodibromomethane	U		0.000496	0.00275	1	10/01/2019 19:03	WG1354779
Chloroethane	U		0.00119	0.00551	1	10/01/2019 19:03	WG1354779
Chloroform	0.000674	B J	0.000457	0.00275	1	10/01/2019 19:03	WG1354779
Chloromethane	U		0.00153	0.0138	1	10/01/2019 19:03	WG1354779
2-Chlorotoluene	U		0.00101	0.00275	1	10/01/2019 19:03	WG1354779
4-Chlorotoluene	U		0.00125	0.00551	1	10/01/2019 19:03	WG1354779
1,2-Dibromo-3-Chloropropane	U		0.00562	0.0275	1	10/01/2019 19:03	WG1354779
1,2-Dibromoethane	U		0.000578	0.00275	1	10/01/2019 19:03	WG1354779
Dibromomethane	U		0.00110	0.00551	1	10/01/2019 19:03	WG1354779
1,2-Dichlorobenzene	U		0.00160	0.00551	1	10/01/2019 19:03	WG1354779
1,3-Dichlorobenzene	U		0.00187	0.00551	1	10/01/2019 19:03	WG1354779
1,4-Dichlorobenzene	U		0.00217	0.00551	1	10/01/2019 19:03	WG1354779
Dichlorodifluoromethane	U		0.000901	0.00275	1	10/01/2019 19:03	WG1354779
1,1-Dichloroethane	U		0.000634	0.00275	1	10/01/2019 19:03	WG1354779
1,2-Dichloroethane	U		0.000523	0.00275	1	10/01/2019 19:03	WG1354779
1,1-Dichloroethene	U		0.000551	0.00275	1	10/01/2019 19:03	WG1354779
cis-1,2-Dichloroethene	U		0.000760	0.00275	1	10/01/2019 19:03	WG1354779
trans-1,2-Dichloroethene	U		0.00158	0.00551	1	10/01/2019 19:03	WG1354779
1,2-Dichloropropane	U		0.00140	0.00551	1	10/01/2019 19:03	WG1354779
1,1-Dichloropropene	U		0.000771	0.00275	1	10/01/2019 19:03	WG1354779
1,3-Dichloropropane	U		0.00193	0.00551	1	10/01/2019 19:03	WG1354779
cis-1,3-Dichloropropene	U		0.000747	0.00275	1	10/01/2019 19:03	WG1354779
trans-1,3-Dichloropropene	U		0.00169	0.00551	1	10/01/2019 19:03	WG1354779
trans-1,4-Dichloro-2-butene	U		0.00154	0.00551	1	10/01/2019 19:03	WG1354779
2,2-Dichloropropane	U		0.000874	0.00275	1	10/01/2019 19:03	WG1354779
Di-isopropyl ether	U		0.000386	0.00110	1	10/01/2019 19:03	WG1354779
Ethylbenzene	U		0.000584	0.00275	1	10/01/2019 19:03	WG1354779
Hexachloro-1,3-butadiene	U		0.0140	0.0275	1	10/01/2019 19:03	WG1354779
2-Hexanone	U		0.0110	0.0275	1	10/01/2019 19:03	WG1354779
n-Hexane	U		0.00117	0.00551	1	10/01/2019 19:03	WG1354779
Iodomethane	U		0.00667	0.0138	1	10/01/2019 19:03	WG1354779
Isopropylbenzene	U		0.000951	0.00275	1	10/01/2019 19:03	WG1354779
p-Isopropyltoluene	U		0.00257	0.00551	1	10/01/2019 19:03	WG1354779
2-Butanone (MEK)	U		0.0138	0.0275	1	10/01/2019 19:03	WG1354779
Methylene Chloride	0.00961	J	0.00732	0.0275	1	10/01/2019 19:03	WG1354779
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0275	1	10/01/2019 19:03	WG1354779

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000325	0.00110	1	10/01/2019 19:03	WG1354779
Naphthalene	U		0.00344	0.0138	1	10/01/2019 19:03	WG1354779
n-Propylbenzene	U		0.00130	0.00551	1	10/01/2019 19:03	WG1354779
Styrene	U		0.00301	0.0138	1	10/01/2019 19:03	WG1354779
1,1,1,2-Tetrachloroethane	U		0.000551	0.00275	1	10/01/2019 19:03	WG1354779
1,1,2,2-Tetrachloroethane	U		0.000430	0.00275	1	10/01/2019 19:03	WG1354779
1,1,2-Trichlorotrifluoroethane	U		0.000744	0.00275	1	10/01/2019 19:03	WG1354779
Tetrachloroethene	0.00142	J	0.000771	0.00275	1	10/01/2019 19:03	WG1354779
Toluene	0.00420	J	0.00138	0.00551	1	10/01/2019 19:03	WG1354779
1,2,3-Trichlorobenzene	U		0.000689	0.00275	1	10/01/2019 19:03	WG1354779
1,2,4-Trichlorobenzene	U		0.00531	0.0138	1	10/01/2019 19:03	WG1354779
1,1,1-Trichloroethane	U		0.000303	0.00275	1	10/01/2019 19:03	WG1354779
1,1,2-Trichloroethane	U		0.000973	0.00275	1	10/01/2019 19:03	WG1354779
Trichloroethene	0.000483	J	0.000441	0.00110	1	10/01/2019 19:03	WG1354779
Trichlorofluoromethane	U		0.000551	0.00275	1	10/01/2019 19:03	WG1354779
1,2,3-Trichloropropane	U		0.00562	0.0138	1	10/01/2019 19:03	WG1354779
1,2,4-Trimethylbenzene	U		0.00128	0.00551	1	10/01/2019 19:03	WG1354779
1,2,3-Trimethylbenzene	U		0.00127	0.00551	1	10/01/2019 19:03	WG1354779
1,3,5-Trimethylbenzene	U		0.00119	0.00551	1	10/01/2019 19:03	WG1354779
Vinyl acetate	U	J0	0.00388	0.0138	1	10/01/2019 19:03	WG1354779
Vinyl chloride	U		0.000753	0.00275	1	10/01/2019 19:03	WG1354779
Xylenes, Total	U		0.00527	0.00716	1	10/01/2019 19:03	WG1354779
(S) Toluene-d8	*105*			*75.0-131*		*10/01/2019 19:03*	WG1354779
(S) 4-Bromofluorobenzene	*98.2*			*67.0-138*		*10/01/2019 19:03*	WG1354779
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*10/01/2019 19:03*	WG1354779

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.2		1	09/27/2019 11:08	WG1352847

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0422	B	0.0150	0.0274	1	09/29/2019 02:02	WG1354025
Acrylonitrile	U		0.00208	0.0137	1	09/29/2019 02:02	WG1354025
Benzene	0.000507	J	0.000439	0.00110	1	09/29/2019 02:02	WG1354025
Bromobenzene	U		0.00115	0.0137	1	09/29/2019 02:02	WG1354025
Bromodichloromethane	U		0.000864	0.00274	1	09/29/2019 02:02	WG1354025
Bromochloromethane	U		0.00124	0.00549	1	09/29/2019 02:02	WG1354025
Bromoform	U		0.00656	0.0274	1	09/29/2019 02:02	WG1354025
Bromomethane	U		0.00406	0.0137	1	09/29/2019 02:02	WG1354025
n-Butylbenzene	U		0.00421	0.0137	1	09/29/2019 02:02	WG1354025
sec-Butylbenzene	U		0.00278	0.0137	1	09/29/2019 02:02	WG1354025
tert-Butylbenzene	U		0.00170	0.00549	1	09/29/2019 02:02	WG1354025
Carbon disulfide	U		0.00445	0.0137	1	09/29/2019 02:02	WG1354025
Carbon tetrachloride	U		0.00118	0.00549	1	09/29/2019 02:02	WG1354025
Chlorobenzene	U		0.000629	0.00274	1	09/29/2019 02:02	WG1354025
Chlorodibromomethane	U		0.000494	0.00274	1	09/29/2019 02:02	WG1354025
Chloroethane	U		0.00118	0.00549	1	09/29/2019 02:02	WG1354025
Chloroform	0.000755	B J	0.000455	0.00274	1	09/29/2019 02:02	WG1354025
Chloromethane	U		0.00152	0.0137	1	09/29/2019 02:02	WG1354025
2-Chlorotoluene	U		0.00101	0.00274	1	09/29/2019 02:02	WG1354025
4-Chlorotoluene	U		0.00124	0.00549	1	09/29/2019 02:02	WG1354025
1,2-Dibromo-3-Chloropropane	U		0.00559	0.0274	1	09/29/2019 02:02	WG1354025
1,2-Dibromoethane	U		0.000576	0.00274	1	09/29/2019 02:02	WG1354025
Dibromomethane	U		0.00110	0.00549	1	09/29/2019 02:02	WG1354025
1,2-Dichlorobenzene	U		0.00159	0.00549	1	09/29/2019 02:02	WG1354025
1,3-Dichlorobenzene	U		0.00186	0.00549	1	09/29/2019 02:02	WG1354025
1,4-Dichlorobenzene	U		0.00216	0.00549	1	09/29/2019 02:02	WG1354025
Dichlorodifluoromethane	U		0.000897	0.00274	1	09/29/2019 02:02	WG1354025
1,1-Dichloroethane	U		0.000631	0.00274	1	09/29/2019 02:02	WG1354025
1,2-Dichloroethane	U		0.000521	0.00274	1	09/29/2019 02:02	WG1354025
1,1-Dichloroethene	U		0.000549	0.00274	1	09/29/2019 02:02	WG1354025
cis-1,2-Dichloroethene	U		0.000757	0.00274	1	09/29/2019 02:02	WG1354025
trans-1,2-Dichloroethene	U		0.00157	0.00549	1	09/29/2019 02:02	WG1354025
1,2-Dichloropropane	U		0.00139	0.00549	1	09/29/2019 02:02	WG1354025
1,1-Dichloropropene	U		0.000768	0.00274	1	09/29/2019 02:02	WG1354025
1,3-Dichloropropane	U		0.00192	0.00549	1	09/29/2019 02:02	WG1354025
cis-1,3-Dichloropropene	U		0.000744	0.00274	1	09/29/2019 02:02	WG1354025
trans-1,3-Dichloropropene	U		0.00168	0.00549	1	09/29/2019 02:02	WG1354025
trans-1,4-Dichloro-2-butene	U		0.00154	0.00549	1	09/29/2019 02:02	WG1354025
2,2-Dichloropropane	U		0.000870	0.00274	1	09/29/2019 02:02	WG1354025
Di-isopropyl ether	U		0.000384	0.00110	1	09/29/2019 02:02	WG1354025
Ethylbenzene	0.000641	J	0.000581	0.00274	1	09/29/2019 02:02	WG1354025
Hexachloro-1,3-butadiene	U		0.0139	0.0274	1	09/29/2019 02:02	WG1354025
2-Hexanone	U		0.0110	0.0274	1	09/29/2019 02:02	WG1354025
n-Hexane	U		0.00116	0.00549	1	09/29/2019 02:02	WG1354025
Iodomethane	U		0.00664	0.0137	1	09/29/2019 02:02	WG1354025
Isopropylbenzene	U		0.000947	0.00274	1	09/29/2019 02:02	WG1354025
p-Isopropyltoluene	U		0.00256	0.00549	1	09/29/2019 02:02	WG1354025
2-Butanone (MEK)	0.0153	B J	0.0137	0.0274	1	09/29/2019 02:02	WG1354025
Methylene Chloride	U		0.00728	0.0274	1	09/29/2019 02:02	WG1354025
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0274	1	09/29/2019 02:02	WG1354025

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000324	0.00110	1	09/29/2019 02:02	WG1354025
Naphthalene	U		0.00342	0.0137	1	09/29/2019 02:02	WG1354025
n-Propylbenzene	U		0.00129	0.00549	1	09/29/2019 02:02	WG1354025
Styrene	U		0.00299	0.0137	1	09/29/2019 02:02	WG1354025
1,1,1,2-Tetrachloroethane	U		0.000549	0.00274	1	09/29/2019 02:02	WG1354025
1,1,2,2-Tetrachloroethane	U		0.000428	0.00274	1	09/29/2019 02:02	WG1354025
1,1,2-Trichlorotrifluoroethane	U		0.000740	0.00274	1	09/29/2019 02:02	WG1354025
Tetrachloroethene	0.00113	J J0	0.000768	0.00274	1	09/29/2019 02:02	WG1354025
Toluene	0.0123		0.00137	0.00549	1	09/29/2019 02:02	WG1354025
1,2,3-Trichlorobenzene	U		0.000686	0.00274	1	09/29/2019 02:02	WG1354025
1,2,4-Trichlorobenzene	U		0.00529	0.0137	1	09/29/2019 02:02	WG1354025
1,1,1-Trichloroethane	U		0.000302	0.00274	1	09/29/2019 02:02	WG1354025
1,1,2-Trichloroethane	U		0.000969	0.00274	1	09/29/2019 02:02	WG1354025
Trichloroethene	U		0.000439	0.00110	1	09/29/2019 02:02	WG1354025
Trichlorofluoromethane	U		0.000549	0.00274	1	09/29/2019 02:02	WG1354025
1,2,3-Trichloropropane	U		0.00559	0.0137	1	09/29/2019 02:02	WG1354025
1,2,4-Trimethylbenzene	U		0.00127	0.00549	1	09/29/2019 02:02	WG1354025
1,2,3-Trimethylbenzene	U		0.00126	0.00549	1	09/29/2019 02:02	WG1354025
1,3,5-Trimethylbenzene	U		0.00118	0.00549	1	09/29/2019 02:02	WG1354025
Vinyl acetate	U		0.00386	0.0137	1	09/29/2019 02:02	WG1354025
Vinyl chloride	0.00442		0.000749	0.00274	1	09/29/2019 02:02	WG1354025
Xylenes, Total	U		0.00524	0.00713	1	09/29/2019 02:02	WG1354025
(S) Toluene-d8	*106*			*75.0-131*		*09/29/2019 02:02*	WG1354025
(S) 4-Bromofluorobenzene	*94.9*			*67.0-138*		*09/29/2019 02:02*	WG1354025
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*09/29/2019 02:02*	WG1354025

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.9		1	09/27/2019 11:08	WG1352847

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0828	B	0.0292	0.0533	2	09/29/2019 02:23	WG1354025
Acrylonitrile	U		0.00405	0.0266	2	09/29/2019 02:23	WG1354025
Benzene	0.00100	J	0.000852	0.00213	2	09/29/2019 02:23	WG1354025
Bromobenzene	U		0.00224	0.0266	2	09/29/2019 02:23	WG1354025
Bromodichloromethane	U		0.00168	0.00533	2	09/29/2019 02:23	WG1354025
Bromochloromethane	U		0.00241	0.0107	2	09/29/2019 02:23	WG1354025
Bromoform	U		0.0128	0.0533	2	09/29/2019 02:23	WG1354025
Bromomethane	U		0.00788	0.0266	2	09/29/2019 02:23	WG1354025
n-Butylbenzene	U		0.00818	0.0266	2	09/29/2019 02:23	WG1354025
sec-Butylbenzene	U		0.00539	0.0266	2	09/29/2019 02:23	WG1354025
tert-Butylbenzene	U		0.00330	0.0107	2	09/29/2019 02:23	WG1354025
Carbon disulfide	U		0.00865	0.0266	2	09/29/2019 02:23	WG1354025
Carbon tetrachloride	U		0.00230	0.0107	2	09/29/2019 02:23	WG1354025
Chlorobenzene	U		0.00123	0.00533	2	09/29/2019 02:23	WG1354025
Chlorodibromomethane	U		0.000959	0.00533	2	09/29/2019 02:23	WG1354025
Chloroethane	U		0.00230	0.0107	2	09/29/2019 02:23	WG1354025
Chloroform	0.00158	B J	0.000884	0.00533	2	09/29/2019 02:23	WG1354025
Chloromethane	U		0.00296	0.0266	2	09/29/2019 02:23	WG1354025
2-Chlorotoluene	U		0.00196	0.00533	2	09/29/2019 02:23	WG1354025
4-Chlorotoluene	U		0.00241	0.0107	2	09/29/2019 02:23	WG1354025
1,2-Dibromo-3-Chloropropane	U		0.0109	0.0533	2	09/29/2019 02:23	WG1354025
1,2-Dibromoethane	U		0.00112	0.00533	2	09/29/2019 02:23	WG1354025
Dibromomethane	U		0.00213	0.0107	2	09/29/2019 02:23	WG1354025
1,2-Dichlorobenzene	U		0.00309	0.0107	2	09/29/2019 02:23	WG1354025
1,3-Dichlorobenzene	U		0.00362	0.0107	2	09/29/2019 02:23	WG1354025
1,4-Dichlorobenzene	U		0.00420	0.0107	2	09/29/2019 02:23	WG1354025
Dichlorodifluoromethane	U		0.00175	0.00533	2	09/29/2019 02:23	WG1354025
1,1-Dichloroethane	U		0.00123	0.00533	2	09/29/2019 02:23	WG1354025
1,2-Dichloroethane	U		0.00101	0.00533	2	09/29/2019 02:23	WG1354025
1,1-Dichloroethene	U		0.00107	0.00533	2	09/29/2019 02:23	WG1354025
cis-1,2-Dichloroethene	U		0.00147	0.00533	2	09/29/2019 02:23	WG1354025
trans-1,2-Dichloroethene	U		0.00305	0.0107	2	09/29/2019 02:23	WG1354025
1,2-Dichloropropane	U		0.00271	0.0107	2	09/29/2019 02:23	WG1354025
1,1-Dichloropropene	U		0.00149	0.00533	2	09/29/2019 02:23	WG1354025
1,3-Dichloropropane	U		0.00373	0.0107	2	09/29/2019 02:23	WG1354025
cis-1,3-Dichloropropene	U		0.00145	0.00533	2	09/29/2019 02:23	WG1354025
trans-1,3-Dichloropropene	U		0.00326	0.0107	2	09/29/2019 02:23	WG1354025
trans-1,4-Dichloro-2-butene	U		0.00298	0.0107	2	09/29/2019 02:23	WG1354025
2,2-Dichloropropane	U		0.00169	0.00533	2	09/29/2019 02:23	WG1354025
Di-isopropyl ether	U		0.000746	0.00213	2	09/29/2019 02:23	WG1354025
Ethylbenzene	0.00168	J	0.00113	0.00533	2	09/29/2019 02:23	WG1354025
Hexachloro-1,3-butadiene	U		0.0271	0.0533	2	09/29/2019 02:23	WG1354025
2-Hexanone	U		0.0213	0.0533	2	09/29/2019 02:23	WG1354025
n-Hexane	U		0.00226	0.0107	2	09/29/2019 02:23	WG1354025
Iodomethane	U		0.0129	0.0266	2	09/29/2019 02:23	WG1354025
Isopropylbenzene	U		0.00184	0.00533	2	09/29/2019 02:23	WG1354025
p-Isopropyltoluene	U		0.00496	0.0107	2	09/29/2019 02:23	WG1354025
2-Butanone (MEK)	U		0.0266	0.0533	2	09/29/2019 02:23	WG1354025
Methylene Chloride	0.0185	J	0.0142	0.0533	2	09/29/2019 02:23	WG1354025
4-Methyl-2-pentanone (MIBK)	U		0.0213	0.0533	2	09/29/2019 02:23	WG1354025

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000629	0.00213	2	09/29/2019 02:23	WG1354025
Naphthalene	U		0.00665	0.0266	2	09/29/2019 02:23	WG1354025
n-Propylbenzene	U		0.00251	0.0107	2	09/29/2019 02:23	WG1354025
Styrene	U		0.00582	0.0266	2	09/29/2019 02:23	WG1354025
1,1,1,2-Tetrachloroethane	U		0.00107	0.00533	2	09/29/2019 02:23	WG1354025
1,1,2,2-Tetrachloroethane	U		0.000831	0.00533	2	09/29/2019 02:23	WG1354025
1,1,2-Trichlorotrifluoroethane	U		0.00144	0.00533	2	09/29/2019 02:23	WG1354025
Tetrachloroethene	0.00375	J J0	0.00149	0.00533	2	09/29/2019 02:23	WG1354025
Toluene	0.0366		0.00266	0.0107	2	09/29/2019 02:23	WG1354025
1,2,3-Trichlorobenzene	U		0.00133	0.00533	2	09/29/2019 02:23	WG1354025
1,2,4-Trichlorobenzene	U		0.0103	0.0266	2	09/29/2019 02:23	WG1354025
1,1,1-Trichloroethane	U		0.000586	0.00533	2	09/29/2019 02:23	WG1354025
1,1,2-Trichloroethane	U		0.00189	0.00533	2	09/29/2019 02:23	WG1354025
Trichloroethene	U		0.000852	0.00213	2	09/29/2019 02:23	WG1354025
Trichlorofluoromethane	U		0.00107	0.00533	2	09/29/2019 02:23	WG1354025
1,2,3-Trichloropropane	U		0.0109	0.0266	2	09/29/2019 02:23	WG1354025
1,2,4-Trimethylbenzene	U		0.00247	0.0107	2	09/29/2019 02:23	WG1354025
1,2,3-Trimethylbenzene	U		0.00245	0.0107	2	09/29/2019 02:23	WG1354025
1,3,5-Trimethylbenzene	U		0.00230	0.0107	2	09/29/2019 02:23	WG1354025
Vinyl acetate	U		0.00750	0.0266	2	09/29/2019 02:23	WG1354025
Vinyl chloride	U		0.00146	0.00533	2	09/29/2019 02:23	WG1354025
Xylenes, Total	U		0.0102	0.0138	2	09/29/2019 02:23	WG1354025
(S) Toluene-d8	*104*			*75.0-131*		*09/29/2019 02:23*	WG1354025
(S) 4-Bromofluorobenzene	*95.2*			*67.0-138*		*09/29/2019 02:23*	WG1354025
(S) 1,2-Dichloroethane-d4	*97.5*			*70.0-130*		*09/29/2019 02:23*	WG1354025

Sample Narrative:

L1141887-16 WG1354025: Dilution due to low sample volume.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	09/28/2019 21:39	WG1353837
Acrylonitrile	U		0.873	5.00	1	09/28/2019 21:39	WG1353837
Benzene	U		0.0896	0.500	1	09/28/2019 21:39	WG1353837
Bromobenzene	U		0.133	0.500	1	09/28/2019 21:39	WG1353837
Bromodichloromethane	U		0.0800	0.500	1	09/28/2019 21:39	WG1353837
Bromochloromethane	U		0.145	0.500	1	09/28/2019 21:39	WG1353837
Bromoform	U		0.186	0.500	1	09/28/2019 21:39	WG1353837
Bromomethane	U		0.157	2.50	1	09/28/2019 21:39	WG1353837
n-Butylbenzene	U		0.143	0.500	1	09/28/2019 21:39	WG1353837
sec-Butylbenzene	U		0.134	0.500	1	09/28/2019 21:39	WG1353837
tert-Butylbenzene	U		0.183	0.500	1	09/28/2019 21:39	WG1353837
Carbon disulfide	U		0.101	0.500	1	09/28/2019 21:39	WG1353837
Carbon tetrachloride	U		0.159	0.500	1	09/28/2019 21:39	WG1353837
Chlorobenzene	U		0.140	0.500	1	09/28/2019 21:39	WG1353837
Chlorodibromomethane	U		0.128	0.500	1	09/28/2019 21:39	WG1353837
Chloroethane	U		0.141	2.50	1	09/28/2019 21:39	WG1353837
Chloroform	U		0.0860	0.500	1	09/28/2019 21:39	WG1353837
Chloromethane	U		0.153	1.25	1	09/28/2019 21:39	WG1353837
2-Chlorotoluene	U		0.111	0.500	1	09/28/2019 21:39	WG1353837
4-Chlorotoluene	U		0.0972	0.500	1	09/28/2019 21:39	WG1353837
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/28/2019 21:39	WG1353837
1,2-Dibromoethane	U		0.193	0.500	1	09/28/2019 21:39	WG1353837
Dibromomethane	U		0.117	0.500	1	09/28/2019 21:39	WG1353837
1,2-Dichlorobenzene	U		0.101	0.500	1	09/28/2019 21:39	WG1353837
1,3-Dichlorobenzene	U		0.130	0.500	1	09/28/2019 21:39	WG1353837
1,4-Dichlorobenzene	U		0.121	0.500	1	09/28/2019 21:39	WG1353837
Dichlorodifluoromethane	U		0.127	2.50	1	09/28/2019 21:39	WG1353837
1,1-Dichloroethane	U		0.114	0.500	1	09/28/2019 21:39	WG1353837
1,2-Dichloroethane	U		0.108	0.500	1	09/28/2019 21:39	WG1353837
1,1-Dichloroethene	U		0.188	0.500	1	09/28/2019 21:39	WG1353837
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/28/2019 21:39	WG1353837
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/28/2019 21:39	WG1353837
1,2-Dichloropropane	U		0.190	0.500	1	09/28/2019 21:39	WG1353837
1,1-Dichloropropene	U		0.128	0.500	1	09/28/2019 21:39	WG1353837
1,3-Dichloropropane	U		0.147	1.00	1	09/28/2019 21:39	WG1353837
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/28/2019 21:39	WG1353837
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/28/2019 21:39	WG1353837
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	10/01/2019 13:40	WG1354826
2,2-Dichloropropane	U		0.0929	0.500	1	09/28/2019 21:39	WG1353837
Di-isopropyl ether	U		0.0924	0.500	1	09/28/2019 21:39	WG1353837
Ethylbenzene	U		0.158	0.500	1	09/28/2019 21:39	WG1353837
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/28/2019 21:39	WG1353837
2-Hexanone	U		0.757	5.00	1	09/28/2019 21:39	WG1353837
n-Hexane	U		0.305	5.00	1	09/28/2019 21:39	WG1353837
Iodomethane	U		0.377	10.0	1	09/28/2019 21:39	WG1353837
Isopropylbenzene	U		0.126	0.500	1	09/28/2019 21:39	WG1353837
p-Isopropyltoluene	U		0.138	0.500	1	09/28/2019 21:39	WG1353837
2-Butanone (MEK)	U		1.28	5.00	1	09/28/2019 21:39	WG1353837
Methylene Chloride	U		1.07	2.50	1	09/28/2019 21:39	WG1353837
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/28/2019 21:39	WG1353837
Methyl tert-butyl ether	U		0.102	0.500	1	09/28/2019 21:39	WG1353837
Naphthalene	U		0.174	2.50	1	09/28/2019 21:39	WG1353837
n-Propylbenzene	U		0.162	0.500	1	09/28/2019 21:39	WG1353837
Styrene	U		0.117	0.500	1	09/28/2019 21:39	WG1353837
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/28/2019 21:39	WG1353837
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/28/2019 21:39	WG1353837

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/28/2019 21:39	WG1353837
Tetrachloroethene	U		0.199	0.500	1	09/28/2019 21:39	WG1353837
Toluene	U		0.412	0.500	1	09/28/2019 21:39	WG1353837
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/28/2019 21:39	WG1353837
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/28/2019 21:39	WG1353837
1,1,1-Trichloroethane	0.376	B J	0.0940	0.500	1	09/28/2019 21:39	WG1353837
1,1,2-Trichloroethane	U		0.186	0.500	1	09/28/2019 21:39	WG1353837
Trichloroethene	U		0.153	0.500	1	09/28/2019 21:39	WG1353837
Trichlorofluoromethane	U		0.130	2.50	1	09/28/2019 21:39	WG1353837
1,2,3-Trichloropropane	U		0.247	2.50	1	09/28/2019 21:39	WG1353837
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/28/2019 21:39	WG1353837
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/28/2019 21:39	WG1353837
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/28/2019 21:39	WG1353837
Vinyl acetate	U		0.645	5.00	1	09/28/2019 21:39	WG1353837
Vinyl chloride	U		0.118	0.500	1	09/28/2019 21:39	WG1353837
Xylenes, Total	U		0.316	1.50	1	09/28/2019 21:39	WG1353837
(S) Toluene-d8	*105*			*80.0-120*		*09/28/2019 21:39*	WG1353837
(S) Toluene-d8	*97.9*			*80.0-120*		*10/01/2019 13:40*	WG1354826
(S) 4-Bromofluorobenzene	*98.4*			*77.0-126*		*09/28/2019 21:39*	WG1353837
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*10/01/2019 13:40*	WG1354826
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/28/2019 21:39*	WG1353837
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*10/01/2019 13:40*	WG1354826

Method Blank (MB)

(MB) R3455855-1 09/27/19 13:17

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

L1141887-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1141887-01 09/27/19 13:17 • (DUP) R3455855-3 09/27/19 13:17

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.5	81.6	1	2.38		10

Laboratory Control Sample (LCS)

(LCS) R3455855-2 09/27/19 13:17

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) R3455849-1 09/27/19 11:08

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

L1141887-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1141887-11 09/27/19 11:08 • (DUP) R3455849-3 09/27/19 11:08

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.5	90.0	1	0.466		10

Laboratory Control Sample (LCS)

(LCS) R3455849-2 09/27/19 11:08

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) R3456065-3 09/28/19 20:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500

Method Blank (MB)

(MB) R3456065-3 09/28/19 20:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	0.395	J	0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*100*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*

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

(LCS) R3456065-1 09/28/19 19:14 • (LCSD) R3456065-2 09/28/19 19:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	120	139	96.2	111	19.0-160			14.2	27
Acrylonitrile	125	117	117	93.3	93.5	55.0-149			0.161	20
Benzene	25.0	25.8	26.3	103	105	70.0-123			1.82	20
Bromobenzene	25.0	25.7	26.6	103	107	73.0-121			3.68	20
Bromodichloromethane	25.0	27.2	28.0	109	112	75.0-120			2.89	20
Bromochloromethane	25.0	25.2	26.0	101	104	76.0-122			3.36	20
Bromoform	25.0	25.2	25.8	101	103	68.0-132			2.39	20
Bromomethane	25.0	23.0	22.7	92.1	90.8	10.0-160			1.44	25
n-Butylbenzene	25.0	27.3	27.9	109	111	73.0-125			1.93	20
sec-Butylbenzene	25.0	29.4	29.7	117	119	75.0-125			1.08	20
tert-Butylbenzene	25.0	24.6	25.3	98.5	101	76.0-124			2.84	20
Carbon disulfide	25.0	25.5	25.9	102	104	61.0-128			1.81	20
Carbon tetrachloride	25.0	23.2	23.6	92.8	94.3	68.0-126			1.60	20
Chlorobenzene	25.0	27.9	26.3	112	105	80.0-121			6.05	20
Chlorodibromomethane	25.0	26.4	26.1	106	104	77.0-125			1.26	20
Chloroethane	25.0	22.2	22.2	88.9	88.8	47.0-150			0.114	20
Chloroform	25.0	24.3	24.6	97.0	98.2	73.0-120			1.23	20
Chloromethane	25.0	22.6	22.8	90.5	91.1	41.0-142			0.643	20
2-Chlorotoluene	25.0	26.7	27.5	107	110	76.0-123			2.94	20
4-Chlorotoluene	25.0	27.1	28.1	108	113	75.0-122			3.84	20
1,2-Dibromo-3-Chloropropane	25.0	26.2	27.5	105	110	58.0-134			4.78	20
1,2-Dibromoethane	25.0	26.0	25.6	104	102	80.0-122			1.73	20
Dibromomethane	25.0	26.1	26.4	105	106	80.0-120			1.04	20
1,2-Dichlorobenzene	25.0	26.4	27.1	106	109	79.0-121			2.72	20
1,3-Dichlorobenzene	25.0	25.4	26.6	102	106	79.0-120			4.31	20
1,4-Dichlorobenzene	25.0	26.0	26.8	104	107	79.0-120			2.94	20
Dichlorodifluoromethane	25.0	24.0	23.9	96.1	95.6	51.0-149			0.448	20
1,1-Dichloroethane	25.0	24.3	24.6	97.1	98.3	70.0-126			1.27	20
1,2-Dichloroethane	25.0	26.0	26.4	104	106	70.0-128			1.75	20
1,1-Dichloroethene	25.0	25.6	25.6	102	102	71.0-124			0.119	20
cis-1,2-Dichloroethene	25.0	24.9	24.8	99.6	99.0	73.0-120			0.619	20
trans-1,2-Dichloroethene	25.0	24.8	24.9	99.3	99.6	73.0-120			0.336	20
1,2-Dichloropropane	25.0	27.3	27.9	109	112	77.0-125			2.27	20
1,1-Dichloropropene	25.0	26.4	25.9	106	104	74.0-126			1.99	20
1,3-Dichloropropane	25.0	27.2	26.2	109	105	80.0-120			3.84	20
cis-1,3-Dichloropropene	25.0	27.1	28.0	108	112	80.0-123			3.36	20
trans-1,3-Dichloropropene	25.0	28.6	27.7	114	111	78.0-124			3.12	20
2,2-Dichloropropane	25.0	22.1	22.9	88.6	91.6	58.0-130			3.36	20
Di-isopropyl ether	25.0	24.7	25.3	98.9	101	58.0-138			2.52	20
Ethylbenzene	25.0	27.5	26.2	110	105	79.0-123			4.84	20

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

(LCS) R3456065-1 09/28/19 19:14 • (LCSD) R3456065-2 09/28/19 19:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	25.0	25.1	26.8	101	107	54.0-138			6.26	20
2-Hexanone	125	128	130	103	104	67.0-149			1.22	20
n-Hexane	25.0	25.3	26.0	101	104	57.0-133			2.65	20
Iodomethane	125	120	121	95.8	96.5	33.0-147			0.736	26
Isopropylbenzene	25.0	28.5	26.4	114	106	76.0-127			7.62	20
p-Isopropyltoluene	25.0	28.5	28.5	114	114	76.0-125			0.0960	20
2-Butanone (MEK)	125	128	138	102	110	44.0-160			7.90	20
Methylene Chloride	25.0	23.4	23.4	93.5	93.6	67.0-120			0.123	20
4-Methyl-2-pentanone (MIBK)	125	133	130	106	104	68.0-142			2.07	20
Methyl tert-butyl ether	25.0	22.7	22.9	90.9	91.5	68.0-125			0.690	20
Naphthalene	25.0	28.1	29.7	112	119	54.0-135			5.63	20
n-Propylbenzene	25.0	27.1	27.7	109	111	77.0-124			2.04	20
Styrene	25.0	27.0	26.3	108	105	73.0-130			2.56	20
1,1,1,2-Tetrachloroethane	25.0	26.3	25.8	105	103	75.0-125			1.75	20
1,1,2,2-Tetrachloroethane	25.0	27.3	28.8	109	115	65.0-130			5.31	20
1,1,2-Trichlorotrifluoroethane	25.0	25.0	24.7	100	98.7	69.0-132			1.44	20
Tetrachloroethene	25.0	27.3	26.0	109	104	72.0-132			4.90	20
Toluene	25.0	26.2	25.6	105	102	79.0-120			2.40	20
1,2,3-Trichlorobenzene	25.0	29.2	29.6	117	118	50.0-138			1.30	20
1,2,4-Trichlorobenzene	25.0	27.6	28.0	110	112	57.0-137			1.48	20
1,1,1-Trichloroethane	25.0	25.9	25.5	103	102	73.0-124			1.63	20
1,1,2-Trichloroethane	25.0	27.6	25.9	110	104	80.0-120			6.26	20
Trichloroethene	25.0	25.0	25.2	100	101	78.0-124			0.663	20
Trichlorofluoromethane	25.0	24.0	23.0	95.8	92.0	59.0-147			4.09	20
1,2,3-Trichloropropane	25.0	25.6	26.4	102	106	73.0-130			3.20	20
1,2,4-Trimethylbenzene	25.0	27.9	28.6	112	114	76.0-121			2.35	20
1,2,3-Trimethylbenzene	25.0	28.9	29.3	116	117	77.0-120			1.50	20
1,3,5-Trimethylbenzene	25.0	28.4	29.6	114	118	76.0-122			4.17	20
Vinyl acetate	125	130	134	104	107	11.0-160			2.90	20
Vinyl chloride	25.0	23.8	23.8	95.4	95.1	67.0-131			0.216	20
Xylenes, Total	75.0	79.4	75.7	106	101	79.0-123			4.77	20
(S) Toluene-d8				*100*	*99.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*90.3*	*90.2*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*104*	*110*	*70.0-130*				

Method Blank (MB)

(MB) R3456621-2 10/01/19 10:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
trans-1,4-Dichloro-2-butene	U		0.257	5.00
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3456621-1 10/01/19 09:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,4-Dichloro-2-butene	25.0	20.8	83.1	33.0-144	
(S) Toluene-d8			*100*	*80.0-120*	
(S) 4-Bromofluorobenzene			*105*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*105*	*70.0-130*	

Method Blank (MB)

(MB) R3456026-2 09/28/19 22:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	U		0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3456026-2 09/28/19 22:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	0.00732	J	0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*111*			*75.0-131*
(S) 4-Bromofluorobenzene	*102*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3456026-1 09/28/19 21:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.450	72.1	10.0-160	
Acrylonitrile	0.625	0.444	71.0	45.0-153	
Benzene	0.125	0.114	91.3	70.0-123	
Bromobenzene	0.125	0.125	100	73.0-121	
Bromodichloromethane	0.125	0.124	99.5	73.0-121	
Bromochloromethane	0.125	0.140	112	77.0-128	
Bromoform	0.125	0.119	95.5	64.0-132	
Bromomethane	0.125	0.115	92.3	56.0-147	
n-Butylbenzene	0.125	0.116	92.5	68.0-135	
sec-Butylbenzene	0.125	0.135	108	74.0-130	
tert-Butylbenzene	0.125	0.127	101	75.0-127	
Carbon disulfide	0.125	0.108	86.0	56.0-133	
Carbon tetrachloride	0.125	0.131	105	66.0-128	
Chlorobenzene	0.125	0.109	87.1	76.0-128	
Chlorodibromomethane	0.125	0.134	107	74.0-127	
Chloroethane	0.125	0.104	83.1	61.0-134	
Chloroform	0.125	0.103	82.6	72.0-123	
Chloromethane	0.125	0.116	92.4	51.0-138	
2-Chlorotoluene	0.125	0.123	98.7	75.0-124	
4-Chlorotoluene	0.125	0.126	101	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.116	93.0	59.0-130	
1,2-Dibromoethane	0.125	0.122	97.3	74.0-128	
Dibromomethane	0.125	0.110	88.0	75.0-122	
1,2-Dichlorobenzene	0.125	0.124	99.5	76.0-124	
1,3-Dichlorobenzene	0.125	0.131	105	76.0-125	
1,4-Dichlorobenzene	0.125	0.117	93.9	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.127	102	45.0-143	
Dichlorodifluoromethane	0.125	0.130	104	43.0-156	
1,1-Dichloroethane	0.125	0.120	96.4	70.0-127	
1,2-Dichloroethane	0.125	0.118	94.4	65.0-131	
1,1-Dichloroethene	0.125	0.122	97.9	65.0-131	
cis-1,2-Dichloroethene	0.125	0.104	83.2	73.0-125	
trans-1,2-Dichloroethene	0.125	0.124	99.3	71.0-125	
1,2-Dichloropropane	0.125	0.115	91.9	74.0-125	
1,1-Dichloropropene	0.125	0.129	103	73.0-125	
1,3-Dichloropropane	0.125	0.113	90.7	80.0-125	
cis-1,3-Dichloropropene	0.125	0.106	85.1	76.0-127	
trans-1,3-Dichloropropene	0.125	0.123	98.1	73.0-127	
2,2-Dichloropropane	0.125	0.132	106	59.0-135	
Di-isopropyl ether	0.125	0.103	82.7	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3456026-1 09/28/19 21:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.124	99.6	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.126	101	57.0-150	
2-Hexanone	0.625	0.499	79.8	54.0-147	
n-Hexane	0.125	0.0949	75.9	55.0-137	
Iodomethane	0.625	0.648	104	74.0-134	
Isopropylbenzene	0.125	0.110	87.7	72.0-127	
p-Isopropyltoluene	0.125	0.131	105	72.0-133	
2-Butanone (MEK)	0.625	0.493	79.0	30.0-160	
Methylene Chloride	0.125	0.115	91.8	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.514	82.2	56.0-143	
Methyl tert-butyl ether	0.125	0.121	96.8	66.0-132	
Naphthalene	0.125	0.110	87.8	59.0-130	
n-Propylbenzene	0.125	0.115	91.9	74.0-126	
Styrene	0.125	0.125	99.7	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.127	102	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0910	72.8	68.0-128	
Tetrachloroethene	0.125	0.139	111	70.0-136	
Toluene	0.125	0.116	92.7	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.112	89.5	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.112	89.5	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.135	108	62.0-137	
1,1,1-Trichloroethane	0.125	0.130	104	69.0-126	
1,1,2-Trichloroethane	0.125	0.131	105	78.0-123	
Trichloroethene	0.125	0.127	102	76.0-126	
Trichlorofluoromethane	0.125	0.112	89.7	61.0-142	
1,2,3-Trichloropropane	0.125	0.110	87.9	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.131	105	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.122	97.3	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.122	97.9	73.0-127	
Vinyl acetate	0.625	0.419	67.0	43.0-159	
Vinyl chloride	0.125	0.136	109	63.0-134	
Xylenes, Total	0.375	0.363	96.8	72.0-127	
(S) Toluene-d8			*108*	*75.0-131*	
(S) 4-Bromofluorobenzene			*102*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*104*	*70.0-130*	

Method Blank (MB)

(MB) R3455827-2 09/28/19 22:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	0.0156	J	0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	0.00138	J	0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	0.00160	J	0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3455827-2 09/28/19 22:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	0.0155	J	0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*106*			*75.0-131*
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3455827-1 09/28/19 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.544	87.0	10.0-160	
Acrylonitrile	0.625	0.587	94.0	45.0-153	
Benzene	0.125	0.121	96.9	70.0-123	
Bromobenzene	0.125	0.114	90.9	73.0-121	
Bromodichloromethane	0.125	0.113	90.2	73.0-121	
Bromochloromethane	0.125	0.115	92.1	77.0-128	
Bromoform	0.125	0.112	89.8	64.0-132	
Bromomethane	0.125	0.135	108	56.0-147	
n-Butylbenzene	0.125	0.125	99.7	68.0-135	
sec-Butylbenzene	0.125	0.128	103	74.0-130	
tert-Butylbenzene	0.125	0.128	103	75.0-127	
Carbon disulfide	0.125	0.121	96.9	56.0-133	
Carbon tetrachloride	0.125	0.124	98.8	66.0-128	
Chlorobenzene	0.125	0.119	95.5	76.0-128	
Chlorodibromomethane	0.125	0.116	93.1	74.0-127	
Chloroethane	0.125	0.137	109	61.0-134	
Chloroform	0.125	0.118	94.2	72.0-123	
Chloromethane	0.125	0.127	102	51.0-138	
2-Chlorotoluene	0.125	0.124	99.3	75.0-124	
4-Chlorotoluene	0.125	0.115	92.2	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.101	80.9	59.0-130	
1,2-Dibromoethane	0.125	0.128	103	74.0-128	
Dibromomethane	0.125	0.121	96.5	75.0-122	
1,2-Dichlorobenzene	0.125	0.128	102	76.0-124	
1,3-Dichlorobenzene	0.125	0.125	99.8	76.0-125	
1,4-Dichlorobenzene	0.125	0.122	97.9	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.117	93.9	45.0-143	
Dichlorodifluoromethane	0.125	0.126	101	43.0-156	
1,1-Dichloroethane	0.125	0.120	95.7	70.0-127	
1,2-Dichloroethane	0.125	0.112	89.3	65.0-131	
1,1-Dichloroethene	0.125	0.125	100	65.0-131	
cis-1,2-Dichloroethene	0.125	0.117	93.8	73.0-125	
trans-1,2-Dichloroethene	0.125	0.127	102	71.0-125	
1,2-Dichloropropane	0.125	0.123	98.7	74.0-125	
1,1-Dichloropropene	0.125	0.122	97.5	73.0-125	
1,3-Dichloropropane	0.125	0.124	99.1	80.0-125	
cis-1,3-Dichloropropene	0.125	0.120	96.3	76.0-127	
trans-1,3-Dichloropropene	0.125	0.120	95.9	73.0-127	
2,2-Dichloropropane	0.125	0.113	90.4	59.0-135	
Di-isopropyl ether	0.125	0.118	94.3	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3455827-1 09/28/19 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.123	98.0	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.137	110	57.0-150	
2-Hexanone	0.625	0.610	97.7	54.0-147	
n-Hexane	0.125	0.121	96.7	55.0-137	
Iodomethane	0.625	0.476	76.1	74.0-134	
Isopropylbenzene	0.125	0.126	101	72.0-127	
p-Isopropyltoluene	0.125	0.131	105	72.0-133	
2-Butanone (MEK)	0.625	0.571	91.4	30.0-160	
Methylene Chloride	0.125	0.126	100	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.599	95.8	56.0-143	
Methyl tert-butyl ether	0.125	0.122	97.3	66.0-132	
Naphthalene	0.125	0.113	90.3	59.0-130	
n-Propylbenzene	0.125	0.118	94.8	74.0-126	
Styrene	0.125	0.118	94.5	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.126	101	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.111	88.8	68.0-128	
Tetrachloroethene	0.125	0.132	105	70.0-136	
Toluene	0.125	0.120	95.9	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.123	98.2	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.120	96.4	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.128	102	62.0-137	
1,1,1-Trichloroethane	0.125	0.117	93.3	69.0-126	
1,1,2-Trichloroethane	0.125	0.118	94.7	78.0-123	
Trichloroethene	0.125	0.130	104	76.0-126	
Trichlorofluoromethane	0.125	0.123	98.6	61.0-142	
1,2,3-Trichloropropane	0.125	0.124	99.4	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.120	96.3	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.119	95.0	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.122	97.6	73.0-127	
Vinyl acetate	0.625	0.548	87.7	43.0-159	
Vinyl chloride	0.125	0.121	96.8	63.0-134	
Xylenes, Total	0.375	0.380	101	72.0-127	
(S) Toluene-d8			*106*	*75.0-131*	
(S) 4-Bromofluorobenzene			*97.9*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*99.2*	*70.0-130*	

Method Blank (MB)

(MB) R3456538-2 10/01/19 15:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	0.00128	J	0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	0.00217	J	0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3456538-2 10/01/19 15:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	0.0136	J	0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*107*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3456538-1 10/01/19 14:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.508	81.3	10.0-160	
Acrylonitrile	0.625	0.483	77.2	45.0-153	
Benzene	0.125	0.114	91.1	70.0-123	
Bromobenzene	0.125	0.135	108	73.0-121	
Bromodichloromethane	0.125	0.126	101	73.0-121	
Bromochloromethane	0.125	0.134	107	77.0-128	
Bromoform	0.125	0.107	85.8	64.0-132	
Bromomethane	0.125	0.130	104	56.0-147	
n-Butylbenzene	0.125	0.132	105	68.0-135	
sec-Butylbenzene	0.125	0.148	118	74.0-130	
tert-Butylbenzene	0.125	0.137	109	75.0-127	
Carbon disulfide	0.125	0.105	84.3	56.0-133	
Carbon tetrachloride	0.125	0.127	102	66.0-128	
Chlorobenzene	0.125	0.105	84.2	76.0-128	
Chlorodibromomethane	0.125	0.127	102	74.0-127	
Chloroethane	0.125	0.123	98.7	61.0-134	
Chloroform	0.125	0.102	81.6	72.0-123	
Chloromethane	0.125	0.118	94.1	51.0-138	
2-Chlorotoluene	0.125	0.127	102	75.0-124	
4-Chlorotoluene	0.125	0.140	112	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.123	98.5	59.0-130	
1,2-Dibromoethane	0.125	0.120	95.8	74.0-128	
Dibromomethane	0.125	0.107	85.2	75.0-122	
1,2-Dichlorobenzene	0.125	0.138	111	76.0-124	
1,3-Dichlorobenzene	0.125	0.141	113	76.0-125	
1,4-Dichlorobenzene	0.125	0.128	103	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.152	122	45.0-143	
Dichlorodifluoromethane	0.125	0.133	106	43.0-156	
1,1-Dichloroethane	0.125	0.126	101	70.0-127	
1,2-Dichloroethane	0.125	0.126	101	65.0-131	
1,1-Dichloroethene	0.125	0.129	103	65.0-131	
cis-1,2-Dichloroethene	0.125	0.110	87.6	73.0-125	
trans-1,2-Dichloroethene	0.125	0.119	95.5	71.0-125	
1,2-Dichloropropane	0.125	0.118	94.7	74.0-125	
1,1-Dichloropropene	0.125	0.126	100	73.0-125	
1,3-Dichloropropane	0.125	0.118	94.4	80.0-125	
cis-1,3-Dichloropropene	0.125	0.113	90.5	76.0-127	
trans-1,3-Dichloropropene	0.125	0.125	100	73.0-127	
2,2-Dichloropropane	0.125	0.122	97.9	59.0-135	
Di-isopropyl ether	0.125	0.109	87.3	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3456538-1 10/01/19 14:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.126	100	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.136	109	57.0-150	
2-Hexanone	0.625	0.522	83.5	54.0-147	
n-Hexane	0.125	0.0896	71.7	55.0-137	
Iodomethane	0.625	0.648	104	74.0-134	
Isopropylbenzene	0.125	0.110	87.7	72.0-127	
p-Isopropyltoluene	0.125	0.144	115	72.0-133	
2-Butanone (MEK)	0.625	0.522	83.6	30.0-160	
Methylene Chloride	0.125	0.112	89.7	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.549	87.9	56.0-143	
Methyl tert-butyl ether	0.125	0.136	109	66.0-132	
Naphthalene	0.125	0.140	112	59.0-130	
n-Propylbenzene	0.125	0.128	103	74.0-126	
Styrene	0.125	0.115	91.7	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.129	103	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0992	79.3	68.0-128	
Tetrachloroethene	0.125	0.132	106	70.0-136	
Toluene	0.125	0.115	91.8	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.0975	78.0	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.129	103	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.153	122	62.0-137	
1,1,1-Trichloroethane	0.125	0.138	110	69.0-126	
1,1,2-Trichloroethane	0.125	0.130	104	78.0-123	
Trichloroethene	0.125	0.124	98.9	76.0-126	
Trichlorofluoromethane	0.125	0.106	84.7	61.0-142	
1,2,3-Trichloropropane	0.125	0.127	102	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.143	114	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.137	110	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.137	110	73.0-127	
Vinyl acetate	0.625	0.487	78.0	43.0-159	
Vinyl chloride	0.125	0.136	109	63.0-134	
Xylenes, Total	0.375	0.344	91.7	72.0-127	
(S) Toluene-d8			*107*	*75.0-131*	
(S) 4-Bromofluorobenzene			*102*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*105*	*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.

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

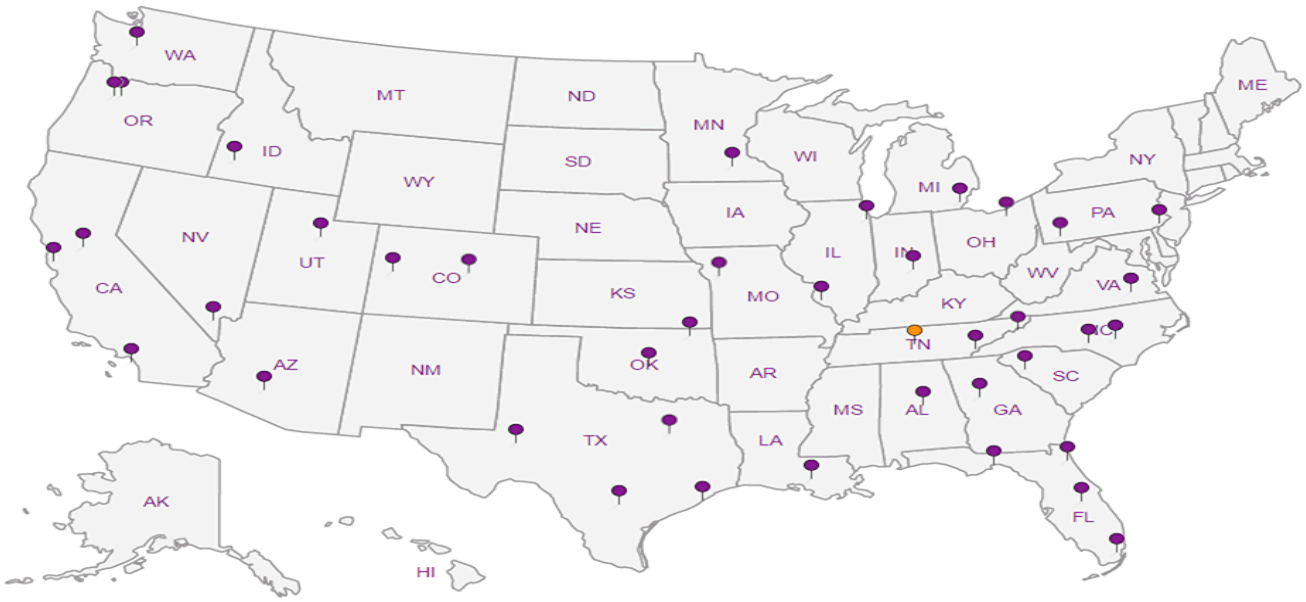
Third Party Federal Accreditations

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
Fax: 206-529-3985

Client Project # 1413.001.02.501

Lab Project # PESENVSWA-ALP

Collected by (print): H W Small

Site/Facility ID # 700 DEXTER AVE N.

P.O. #

Collected by (signature): H W Small

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 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 # 1141887

H209

Acctnum: PESENVSWA
Template: T154694
Prelogin: P725383
PM: 110 - Brian Ford
PB: 8/21/19 m

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-311-5	GRAB	SS	5	9/13/19	940	2	X	X		-01
MW-311-10		SS	10		943	2	X	X		02
MW-311-15		SS	15		945	2	X	X		03
MW-311-20		SS	20		950	2	X	X		04
MW-311-25		SS	25		1000	2	X	X		05
MW-311-30		SS	30		1005	2	X	X		06
MW-311-35		SS	35		1110	2	X	X		07
MW-311-40		SS	40		1045	2	X	X		08
MW-311-45		SS	45		1050	2	X	X		09
MW-311-50		SS	50		1055	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 # 7899 5160 4766

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) H W Small	9/20/19	1100	Received by: (Signature)	Trip Blank Received: Yes / No (HCl / MeOH) TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.7°C / 3.7°C Bottles Received: 32
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/21/19 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
Fax: 206-529-3985

Client Project # 1413.001.02.501

Lab Project # PESENVSWA-ALP

Collected by (print): H W Small

Site/Facility ID # 700 DEXTER AVE N.

P.O. #

Collected by (signature): H W Small

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

VOCs 8260C 40mlAmb/MeOH5ml/Syr

dry weight 2ozClr-NoPres

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 # 114/587

Table #

Acctnum: PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110 - Brian Ford

PB: 8/21/19 mb

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Remarks	Sample # (lab only)
MW-311-55	GRAB	SS	55	9/18/19	1100	2		11
MW-311-60		SS	60		1105	2		12
MW-311-65		SS	65		1235	2		13
MW-311-70		SS	70		1240	2		14
MW-311-74		SS	74 (MW3)		1300	2		15
MW-2005-65		SS	—	—	—	2		16 (MW2)
MW-2007-70		SS	—	—	—	2		16 17
TB-091819	—	SS (W)	—	—	—	1		17 18
		SS						
		SS						

* 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:	Received by: (Signature)
Relinquished by : (Signature) H W Small	9/20/19	1100	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Hailey Miller

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

Temp: 3.7 °C Bottles Received: 32

Date: 9/21/19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Matt Shacklock

Login #: L1141887	Client:PESENVSWA	Date:09/21	Evaluated by:Kelsey S

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 / Courier
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments:Did not receive sample MW-311-74

Client informed by:		Call		Email x		Voice Mail		Date:09/23/19	Time:1400
TSR Initials:bjf	Client Contact: Howard Small								

Login Instructions:

Proceed without **MW-311-74**

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

September 25, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1141899
Samples Received:	09/21/2019
Project Number:	1413.001.02.501
Description:	American Linen
Site:	700 DEXTER AVE N.
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Project Manager

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

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MW-309-5 L1141899-01 Solid

Collected by: HW Small | Collected date/time: 09/19/19 10:25 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1350795	1	09/24/19 12:52	09/24/19 13:24	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	1	09/19/19 10:25	09/22/19 13:55	JAH	Mt. Juliet, TN

MW-309-10 L1141899-02 Solid

Collected by: HW Small | Collected date/time: 09/19/19 10:30 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1350795	1	09/24/19 12:52	09/24/19 13:24	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1350009	500	09/19/19 10:30	09/21/19 20:02	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	40	09/19/19 10:30	09/22/19 20:24	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1350213	1	09/22/19 17:30	09/23/19 17:40	KME	Mt. Juliet, TN

MW-309-13.5 L1141899-03 Solid

Collected by: HW Small | Collected date/time: 09/19/19 10:50 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1350796	1	09/24/19 11:30	09/24/19 11:40	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG1350351	1	09/23/19 12:09	09/23/19 20:26	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1350130	1	09/22/19 09:18	09/24/19 01:27	TRB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1350009	25	09/21/19 16:30	09/21/19 20:23	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	1	09/21/19 16:30	09/22/19 14:16	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1350213	1	09/22/19 17:30	09/23/19 17:14	KME	Mt. Juliet, TN

MW-309-15 L1141899-04 Solid

Collected by: HW Small | Collected date/time: 09/19/19 10:35 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1350796	1	09/24/19 11:30	09/24/19 11:40	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1350856	25	09/19/19 10:35	09/24/19 11:33	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	8	09/19/19 10:35	09/22/19 20:03	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1350213	1	09/22/19 17:30	09/23/19 17:27	KME	Mt. Juliet, TN

MW-309-20 L1141899-05 Solid

Collected by: HW Small | Collected date/time: 09/19/19 11:00 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1350796	1	09/24/19 11:30	09/24/19 11:40	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	1	09/19/19 11:00	09/22/19 14:36	JAH	Mt. Juliet, TN

MW-309-25 L1141899-06 Solid

Collected by: HW Small | Collected date/time: 09/19/19 11:05 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1350796	1	09/24/19 11:30	09/24/19 11:40	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	1	09/19/19 11:05	09/22/19 14:56	JAH	Mt. Juliet, TN

MW-309-30 L1141899-07 Solid

Collected by: HW Small | Collected date/time: 09/19/19 11:10 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1350796	1	09/24/19 11:30	09/24/19 11:40	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	1	09/19/19 11:10	09/22/19 15:17	JAH	Mt. Juliet, TN

MW-309-35 L1141899-08 Solid

Collected by: HW Small | Collected date/time: 09/19/19 11:15 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1350796	1	09/24/19 11:30	09/24/19 11:40	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	1	09/19/19 11:15	09/22/19 15:37	JAH	Mt. Juliet, TN

MW-309-40 L1141899-09 Solid

Collected by: HW Small | Collected date/time: 09/19/19 11:30 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1350796	1	09/24/19 11:30	09/24/19 11:40	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	1	09/19/19 11:30	09/22/19 15:58	JAH	Mt. Juliet, TN

MW-309-45 L1141899-10 Solid

Collected by: HW Small | Collected date/time: 09/19/19 11:35 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1350796	1	09/24/19 11:30	09/24/19 11:40	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	1	09/19/19 11:35	09/22/19 16:18	JAH	Mt. Juliet, TN

MW-309-50 L1141899-11 Solid

Collected by: HW Small | Collected date/time: 09/19/19 11:40 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1350796	1	09/24/19 11:30	09/24/19 11:40	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	1	09/21/19 16:23	09/22/19 18:01	JAH	Mt. Juliet, TN

MW-309-55 L1141899-12 Solid

Collected by: HW Small | Collected date/time: 09/19/19 11:50 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1350796	1	09/24/19 11:30	09/24/19 11:40	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	1	09/19/19 11:50	09/22/19 18:21	JAH	Mt. Juliet, TN

MW-309-60 L1141899-13 Solid

Collected by: HW Small | Collected date/time: 09/19/19 11:55 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351165	1	09/24/19 15:30	09/24/19 15:45	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	1.04	09/19/19 11:55	09/22/19 18:41	JAH	Mt. Juliet, TN

MW-309-65 L1141899-14 Solid

Collected by: HW Small
Collected date/time: 09/19/19 12:00
Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351165	1	09/24/19 15:30	09/24/19 15:45	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	1	09/19/19 12:00	09/22/19 19:02	JAH	Mt. Juliet, TN

MW-309-70 L1141899-15 Solid

Collected by: HW Small
Collected date/time: 09/19/19 12:05
Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351165	1	09/24/19 15:30	09/24/19 15:45	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	1	09/19/19 12:05	09/22/19 19:22	JAH	Mt. Juliet, TN

MW-309-75 L1141899-16 Solid

Collected by: HW Small
Collected date/time: 09/19/19 12:10
Received date/time: 09/21/19 08:45

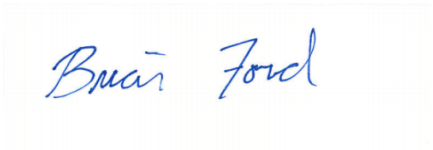
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1351165	1	09/24/19 15:30	09/24/19 15:45	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1350161	1	09/19/19 12:10	09/22/19 19:43	JAH	Mt. Juliet, TN

TB-091919 L1141899-17 GW

Collected by: HW Small
Collected date/time: 09/19/19 00:00
Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1351851	1	09/25/19 13:54	09/25/19 13:54	ACG	Mt. Juliet, TN

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



Brian Ford
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.8		1	09/24/2019 13:24	WG1350795

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.149	B	0.0163	0.0298	1	09/22/2019 13:55	WG1350161
Acrylonitrile	U		0.00227	0.0149	1	09/22/2019 13:55	WG1350161
Benzene	0.00514		0.000477	0.00119	1	09/22/2019 13:55	WG1350161
Bromobenzene	U		0.00125	0.0149	1	09/22/2019 13:55	WG1350161
Bromodichloromethane	U		0.000940	0.00298	1	09/22/2019 13:55	WG1350161
Bromochloromethane	U		0.00135	0.00597	1	09/22/2019 13:55	WG1350161
Bromoform	U		0.00714	0.0298	1	09/22/2019 13:55	WG1350161
Bromomethane	U		0.00441	0.0149	1	09/22/2019 13:55	WG1350161
n-Butylbenzene	U		0.00458	0.0149	1	09/22/2019 13:55	WG1350161
sec-Butylbenzene	U		0.00302	0.0149	1	09/22/2019 13:55	WG1350161
tert-Butylbenzene	U		0.00185	0.00597	1	09/22/2019 13:55	WG1350161
Carbon disulfide	U		0.00484	0.0149	1	09/22/2019 13:55	WG1350161
Carbon tetrachloride	U		0.00129	0.00597	1	09/22/2019 13:55	WG1350161
Chlorobenzene	U		0.000684	0.00298	1	09/22/2019 13:55	WG1350161
Chlorodibromomethane	U		0.000537	0.00298	1	09/22/2019 13:55	WG1350161
Chloroethane	U		0.00129	0.00597	1	09/22/2019 13:55	WG1350161
Chloroform	0.000577	B J	0.000495	0.00298	1	09/22/2019 13:55	WG1350161
Chloromethane	U		0.00166	0.0149	1	09/22/2019 13:55	WG1350161
2-Chlorotoluene	U		0.00110	0.00298	1	09/22/2019 13:55	WG1350161
4-Chlorotoluene	U		0.00135	0.00597	1	09/22/2019 13:55	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.00609	0.0298	1	09/22/2019 13:55	WG1350161
1,2-Dibromoethane	U		0.000626	0.00298	1	09/22/2019 13:55	WG1350161
Dibromomethane	U		0.00119	0.00597	1	09/22/2019 13:55	WG1350161
1,2-Dichlorobenzene	U		0.00173	0.00597	1	09/22/2019 13:55	WG1350161
1,3-Dichlorobenzene	U		0.00203	0.00597	1	09/22/2019 13:55	WG1350161
1,4-Dichlorobenzene	U		0.00235	0.00597	1	09/22/2019 13:55	WG1350161
Dichlorodifluoromethane	U		0.000976	0.00298	1	09/22/2019 13:55	WG1350161
1,1-Dichloroethane	U		0.000686	0.00298	1	09/22/2019 13:55	WG1350161
1,2-Dichloroethane	U		0.000567	0.00298	1	09/22/2019 13:55	WG1350161
1,1-Dichloroethene	U		0.000597	0.00298	1	09/22/2019 13:55	WG1350161
cis-1,2-Dichloroethene	U		0.000823	0.00298	1	09/22/2019 13:55	WG1350161
trans-1,2-Dichloroethene	U		0.00171	0.00597	1	09/22/2019 13:55	WG1350161
1,2-Dichloropropane	U		0.00152	0.00597	1	09/22/2019 13:55	WG1350161
1,1-Dichloropropene	U		0.000835	0.00298	1	09/22/2019 13:55	WG1350161
1,3-Dichloropropane	U		0.00209	0.00597	1	09/22/2019 13:55	WG1350161
cis-1,3-Dichloropropene	U		0.000809	0.00298	1	09/22/2019 13:55	WG1350161
trans-1,3-Dichloropropene	U		0.00183	0.00597	1	09/22/2019 13:55	WG1350161
trans-1,4-Dichloro-2-butene	U		0.00167	0.00597	1	09/22/2019 13:55	WG1350161
2,2-Dichloropropane	U		0.000946	0.00298	1	09/22/2019 13:55	WG1350161
Di-isopropyl ether	U		0.000418	0.00119	1	09/22/2019 13:55	WG1350161
Ethylbenzene	0.00118	J	0.000632	0.00298	1	09/22/2019 13:55	WG1350161
Hexachloro-1,3-butadiene	U		0.0152	0.0298	1	09/22/2019 13:55	WG1350161
2-Hexanone	U		0.0119	0.0298	1	09/22/2019 13:55	WG1350161
n-Hexane	0.0435		0.00126	0.00597	1	09/22/2019 13:55	WG1350161
Iodomethane	U		0.00722	0.0149	1	09/22/2019 13:55	WG1350161
Isopropylbenzene	0.00147	J	0.00103	0.00298	1	09/22/2019 13:55	WG1350161
p-Isopropyltoluene	0.0120		0.00278	0.00597	1	09/22/2019 13:55	WG1350161
2-Butanone (MEK)	U		0.0149	0.0298	1	09/22/2019 13:55	WG1350161
Methylene Chloride	U		0.00792	0.0298	1	09/22/2019 13:55	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.0119	0.0298	1	09/22/2019 13:55	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000352	0.00119	1	09/22/2019 13:55	WG1350161
Naphthalene	0.0426		0.00372	0.0149	1	09/22/2019 13:55	WG1350161
n-Propylbenzene	0.00223	J	0.00141	0.00597	1	09/22/2019 13:55	WG1350161
Styrene	U		0.00326	0.0149	1	09/22/2019 13:55	WG1350161
1,1,1,2-Tetrachloroethane	U		0.000597	0.00298	1	09/22/2019 13:55	WG1350161
1,1,2,2-Tetrachloroethane	U		0.000465	0.00298	1	09/22/2019 13:55	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.000805	0.00298	1	09/22/2019 13:55	WG1350161
Tetrachloroethene	0.00188	J	0.000835	0.00298	1	09/22/2019 13:55	WG1350161
Toluene	0.0102		0.00149	0.00597	1	09/22/2019 13:55	WG1350161
1,2,3-Trichlorobenzene	U		0.000746	0.00298	1	09/22/2019 13:55	WG1350161
1,2,4-Trichlorobenzene	U		0.00575	0.0149	1	09/22/2019 13:55	WG1350161
1,1,1-Trichloroethane	U		0.000328	0.00298	1	09/22/2019 13:55	WG1350161
1,1,2-Trichloroethane	U		0.00105	0.00298	1	09/22/2019 13:55	WG1350161
Trichloroethene	U		0.000477	0.00119	1	09/22/2019 13:55	WG1350161
Trichlorofluoromethane	U		0.000597	0.00298	1	09/22/2019 13:55	WG1350161
1,2,3-Trichloropropane	U		0.00609	0.0149	1	09/22/2019 13:55	WG1350161
1,2,4-Trimethylbenzene	0.00362	J	0.00138	0.00597	1	09/22/2019 13:55	WG1350161
1,2,3-Trimethylbenzene	0.00159	J	0.00137	0.00597	1	09/22/2019 13:55	WG1350161
1,3,5-Trimethylbenzene	0.00143	J	0.00129	0.00597	1	09/22/2019 13:55	WG1350161
Vinyl acetate	U		0.00420	0.0149	1	09/22/2019 13:55	WG1350161
Vinyl chloride	U		0.000815	0.00298	1	09/22/2019 13:55	WG1350161
Xylenes, Total	0.00734	J	0.00570	0.00776	1	09/22/2019 13:55	WG1350161
(S) Toluene-d8	*105*			*75.0-131*		*09/22/2019 13:55*	WG1350161
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*09/22/2019 13:55*	WG1350161
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*09/22/2019 13:55*	WG1350161

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	63.6		1	09/24/2019 13:24	WG1350795

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	389		26.7	78.7	500	09/21/2019 20:02	WG1350009
(S) a,a,a-Trifluorotoluene(FID)	*89.3*			*77.0-120*		*09/21/2019 20:02*	WG1350009

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	2.72	B	0.862	1.57	40	09/22/2019 20:24	WG1350161
Acrylonitrile	U		0.120	0.787	40	09/22/2019 20:24	WG1350161
Benzene	0.117		0.0252	0.0629	40	09/22/2019 20:24	WG1350161
Bromobenzene	U		0.0661	0.787	40	09/22/2019 20:24	WG1350161
Bromodichloromethane	U		0.0496	0.157	40	09/22/2019 20:24	WG1350161
Bromochloromethane	U		0.0711	0.315	40	09/22/2019 20:24	WG1350161
Bromoform	U		0.376	1.57	40	09/22/2019 20:24	WG1350161
Bromomethane	U		0.233	0.787	40	09/22/2019 20:24	WG1350161
n-Butylbenzene	0.856		0.242	0.787	40	09/22/2019 20:24	WG1350161
sec-Butylbenzene	0.374	J	0.159	0.787	40	09/22/2019 20:24	WG1350161
tert-Butylbenzene	U		0.0975	0.315	40	09/22/2019 20:24	WG1350161
Carbon disulfide	U		0.255	0.787	40	09/22/2019 20:24	WG1350161
Carbon tetrachloride	U		0.0680	0.315	40	09/22/2019 20:24	WG1350161
Chlorobenzene	U		0.0360	0.157	40	09/22/2019 20:24	WG1350161
Chlorodibromomethane	U		0.0283	0.157	40	09/22/2019 20:24	WG1350161
Chloroethane	U		0.0680	0.315	40	09/22/2019 20:24	WG1350161
Chloroform	U		0.0261	0.157	40	09/22/2019 20:24	WG1350161
Chloromethane	U		0.0875	0.787	40	09/22/2019 20:24	WG1350161
2-Chlorotoluene	U		0.0579	0.157	40	09/22/2019 20:24	WG1350161
4-Chlorotoluene	U		0.0711	0.315	40	09/22/2019 20:24	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.321	1.57	40	09/22/2019 20:24	WG1350161
1,2-Dibromoethane	U		0.0330	0.157	40	09/22/2019 20:24	WG1350161
Dibromomethane	U		0.0629	0.315	40	09/22/2019 20:24	WG1350161
1,2-Dichlorobenzene	U		0.0912	0.315	40	09/22/2019 20:24	WG1350161
1,3-Dichlorobenzene	U		0.107	0.315	40	09/22/2019 20:24	WG1350161
1,4-Dichlorobenzene	U		0.124	0.315	40	09/22/2019 20:24	WG1350161
Dichlorodifluoromethane	U		0.0514	0.157	40	09/22/2019 20:24	WG1350161
1,1-Dichloroethane	U		0.0362	0.157	40	09/22/2019 20:24	WG1350161
1,2-Dichloroethane	U		0.0299	0.157	40	09/22/2019 20:24	WG1350161
1,1-Dichloroethene	U		0.0315	0.157	40	09/22/2019 20:24	WG1350161
cis-1,2-Dichloroethene	U		0.0434	0.157	40	09/22/2019 20:24	WG1350161
trans-1,2-Dichloroethene	U		0.0900	0.315	40	09/22/2019 20:24	WG1350161
1,2-Dichloropropane	U		0.0799	0.315	40	09/22/2019 20:24	WG1350161
1,1-Dichloropropene	U		0.0440	0.157	40	09/22/2019 20:24	WG1350161
1,3-Dichloropropane	U		0.110	0.315	40	09/22/2019 20:24	WG1350161
cis-1,3-Dichloropropene	U		0.0426	0.157	40	09/22/2019 20:24	WG1350161
trans-1,3-Dichloropropene	U		0.0963	0.315	40	09/22/2019 20:24	WG1350161
trans-1,4-Dichloro-2-butene	U		0.0881	0.315	40	09/22/2019 20:24	WG1350161
2,2-Dichloropropane	U		0.0499	0.157	40	09/22/2019 20:24	WG1350161
Di-isopropyl ether	U		0.0220	0.0629	40	09/22/2019 20:24	WG1350161
Ethylbenzene	0.121	J	0.0334	0.157	40	09/22/2019 20:24	WG1350161
Hexachloro-1,3-butadiene	U		0.799	1.57	40	09/22/2019 20:24	WG1350161
2-Hexanone	U		0.629	1.57	40	09/22/2019 20:24	WG1350161
n-Hexane	0.568		0.0667	0.315	40	09/22/2019 20:24	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.381	0.787	40	09/22/2019 20:24	WG1350161
Isopropylbenzene	0.793		0.0543	0.157	40	09/22/2019 20:24	WG1350161
p-Isopropyltoluene	U		0.147	0.315	40	09/22/2019 20:24	WG1350161
2-Butanone (MEK)	U		0.787	1.57	40	09/22/2019 20:24	WG1350161
Methylene Chloride	U		0.418	1.57	40	09/22/2019 20:24	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.629	1.57	40	09/22/2019 20:24	WG1350161
Methyl tert-butyl ether	U		0.0186	0.0629	40	09/22/2019 20:24	WG1350161
Naphthalene	0.305	J	0.197	0.787	40	09/22/2019 20:24	WG1350161
n-Propylbenzene	2.05		0.0743	0.315	40	09/22/2019 20:24	WG1350161
Styrene	U		0.171	0.787	40	09/22/2019 20:24	WG1350161
1,1,1,2-Tetrachloroethane	U		0.0315	0.157	40	09/22/2019 20:24	WG1350161
1,1,2,2-Tetrachloroethane	U		0.0245	0.157	40	09/22/2019 20:24	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.0425	0.157	40	09/22/2019 20:24	WG1350161
Tetrachloroethene	U		0.0440	0.157	40	09/22/2019 20:24	WG1350161
Toluene	U		0.0787	0.315	40	09/22/2019 20:24	WG1350161
1,2,3-Trichlorobenzene	U		0.0393	0.157	40	09/22/2019 20:24	WG1350161
1,2,4-Trichlorobenzene	U		0.304	0.787	40	09/22/2019 20:24	WG1350161
1,1,1-Trichloroethane	U		0.0173	0.157	40	09/22/2019 20:24	WG1350161
1,1,2-Trichloroethane	U		0.0555	0.157	40	09/22/2019 20:24	WG1350161
Trichloroethene	U		0.0252	0.0629	40	09/22/2019 20:24	WG1350161
Trichlorofluoromethane	U		0.0315	0.157	40	09/22/2019 20:24	WG1350161
1,2,3-Trichloropropane	U		0.321	0.787	40	09/22/2019 20:24	WG1350161
1,2,4-Trimethylbenzene	0.159	J	0.0730	0.315	40	09/22/2019 20:24	WG1350161
1,2,3-Trimethylbenzene	0.152	J	0.0724	0.315	40	09/22/2019 20:24	WG1350161
1,3,5-Trimethylbenzene	U		0.0680	0.315	40	09/22/2019 20:24	WG1350161
Vinyl acetate	U		0.222	0.787	40	09/22/2019 20:24	WG1350161
Vinyl chloride	U		0.0429	0.157	40	09/22/2019 20:24	WG1350161
Xylenes, Total	0.400	J	0.300	0.409	40	09/22/2019 20:24	WG1350161
(S) Toluene-d8	*104*			*75.0-131*		*09/22/2019 20:24*	WG1350161
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/22/2019 20:24*	WG1350161
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/22/2019 20:24*	WG1350161

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	99.0		2.09	6.29	1	09/23/2019 17:40	WG1350213
Residual Range Organics (RRO)	162		5.24	15.7	1	09/23/2019 17:40	WG1350213
(S) o-Terphenyl	*50.3*			*18.0-148*		*09/23/2019 17:40*	WG1350213

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.9		1	09/24/2019 11:40	WG1350796

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0306	J	0.00342	0.0366	1	09/23/2019 20:26	WG1350351

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.84	J	0.562	2.44	1	09/24/2019 01:27	WG1350130
Barium	75.6		0.208	0.611	1	09/24/2019 01:27	WG1350130
Cadmium	0.160	J	0.0855	0.611	1	09/24/2019 01:27	WG1350130
Chromium	39.5		0.171	1.22	1	09/24/2019 01:27	WG1350130
Lead	2.94		0.232	0.611	1	09/24/2019 01:27	WG1350130
Selenium	U		0.757	2.44	1	09/24/2019 01:27	WG1350130
Silver	U		0.147	1.22	1	09/24/2019 01:27	WG1350130

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	15.6		1.04	3.05	25	09/21/2019 20:23	WG1350009
(S) a,a,a-Trifluorotoluene(FID)	*92.9*			*77.0-120*		*09/21/2019 20:23*	WG1350009

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0645	B	0.0167	0.0305	1	09/22/2019 14:16	WG1350161
Acrylonitrile	U		0.00232	0.0153	1	09/22/2019 14:16	WG1350161
Benzene	0.00485		0.000489	0.00122	1	09/22/2019 14:16	WG1350161
Bromobenzene	U		0.00128	0.0153	1	09/22/2019 14:16	WG1350161
Bromodichloromethane	U		0.000962	0.00305	1	09/22/2019 14:16	WG1350161
Bromochloromethane	U		0.00138	0.00611	1	09/22/2019 14:16	WG1350161
Bromoform	U		0.00730	0.0305	1	09/22/2019 14:16	WG1350161
Bromomethane	U		0.00452	0.0153	1	09/22/2019 14:16	WG1350161
n-Butylbenzene	0.0215		0.00469	0.0153	1	09/22/2019 14:16	WG1350161
sec-Butylbenzene	0.00672	J	0.00309	0.0153	1	09/22/2019 14:16	WG1350161
tert-Butylbenzene	U		0.00189	0.00611	1	09/22/2019 14:16	WG1350161
Carbon disulfide	U		0.00496	0.0153	1	09/22/2019 14:16	WG1350161
Carbon tetrachloride	U		0.00132	0.00611	1	09/22/2019 14:16	WG1350161
Chlorobenzene	U		0.000700	0.00305	1	09/22/2019 14:16	WG1350161
Chlorodibromomethane	U		0.000550	0.00305	1	09/22/2019 14:16	WG1350161
Chloroethane	U		0.00132	0.00611	1	09/22/2019 14:16	WG1350161
Chloroform	0.00131	B J	0.000507	0.00305	1	09/22/2019 14:16	WG1350161
Chloromethane	U		0.00170	0.0153	1	09/22/2019 14:16	WG1350161
2-Chlorotoluene	U		0.00112	0.00305	1	09/22/2019 14:16	WG1350161
4-Chlorotoluene	U		0.00138	0.00611	1	09/22/2019 14:16	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.00623	0.0305	1	09/22/2019 14:16	WG1350161
1,2-Dibromoethane	U		0.000641	0.00305	1	09/22/2019 14:16	WG1350161
Dibromomethane	U		0.00122	0.00611	1	09/22/2019 14:16	WG1350161
1,2-Dichlorobenzene	U		0.00177	0.00611	1	09/22/2019 14:16	WG1350161
1,3-Dichlorobenzene	U		0.00208	0.00611	1	09/22/2019 14:16	WG1350161
1,4-Dichlorobenzene	U		0.00241	0.00611	1	09/22/2019 14:16	WG1350161
Dichlorodifluoromethane	U		0.000999	0.00305	1	09/22/2019 14:16	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethane	U		0.000702	0.00305	1	09/22/2019 14:16	WG1350161
1,2-Dichloroethane	U		0.000580	0.00305	1	09/22/2019 14:16	WG1350161
1,1-Dichloroethene	U		0.000611	0.00305	1	09/22/2019 14:16	WG1350161
cis-1,2-Dichloroethene	U		0.000843	0.00305	1	09/22/2019 14:16	WG1350161
trans-1,2-Dichloroethene	U		0.00175	0.00611	1	09/22/2019 14:16	WG1350161
1,2-Dichloropropane	U		0.00155	0.00611	1	09/22/2019 14:16	WG1350161
1,1-Dichloropropene	U		0.000855	0.00305	1	09/22/2019 14:16	WG1350161
1,3-Dichloropropane	U		0.00214	0.00611	1	09/22/2019 14:16	WG1350161
cis-1,3-Dichloropropene	U		0.000828	0.00305	1	09/22/2019 14:16	WG1350161
trans-1,3-Dichloropropene	U		0.00187	0.00611	1	09/22/2019 14:16	WG1350161
trans-1,4-Dichloro-2-butene	U		0.00171	0.00611	1	09/22/2019 14:16	WG1350161
2,2-Dichloropropane	U		0.000969	0.00305	1	09/22/2019 14:16	WG1350161
Di-isopropyl ether	U		0.000427	0.00122	1	09/22/2019 14:16	WG1350161
Ethylbenzene	0.137		0.000647	0.00305	1	09/22/2019 14:16	WG1350161
Hexachloro-1,3-butadiene	U		0.0155	0.0305	1	09/22/2019 14:16	WG1350161
2-Hexanone	U		0.0122	0.0305	1	09/22/2019 14:16	WG1350161
n-Hexane	0.0617		0.00129	0.00611	1	09/22/2019 14:16	WG1350161
Iodomethane	U		0.00739	0.0153	1	09/22/2019 14:16	WG1350161
Isopropylbenzene	0.0235		0.00105	0.00305	1	09/22/2019 14:16	WG1350161
p-Isopropyltoluene	U		0.00285	0.00611	1	09/22/2019 14:16	WG1350161
2-Butanone (MEK)	U		0.0153	0.0305	1	09/22/2019 14:16	WG1350161
Methylene Chloride	U		0.00811	0.0305	1	09/22/2019 14:16	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.0122	0.0305	1	09/22/2019 14:16	WG1350161
Methyl tert-butyl ether	U		0.000360	0.00122	1	09/22/2019 14:16	WG1350161
Naphthalene	0.185		0.00381	0.0153	1	09/22/2019 14:16	WG1350161
n-Propylbenzene	0.0842		0.00144	0.00611	1	09/22/2019 14:16	WG1350161
Styrene	U		0.00333	0.0153	1	09/22/2019 14:16	WG1350161
1,1,1,2-Tetrachloroethane	U		0.000611	0.00305	1	09/22/2019 14:16	WG1350161
1,1,2,2-Tetrachloroethane	U		0.000476	0.00305	1	09/22/2019 14:16	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.000824	0.00305	1	09/22/2019 14:16	WG1350161
Tetrachloroethene	U		0.000855	0.00305	1	09/22/2019 14:16	WG1350161
Toluene	U		0.00153	0.00611	1	09/22/2019 14:16	WG1350161
1,2,3-Trichlorobenzene	U		0.000763	0.00305	1	09/22/2019 14:16	WG1350161
1,2,4-Trichlorobenzene	U		0.00589	0.0153	1	09/22/2019 14:16	WG1350161
1,1,1-Trichloroethane	U		0.000336	0.00305	1	09/22/2019 14:16	WG1350161
1,1,2-Trichloroethane	U		0.00108	0.00305	1	09/22/2019 14:16	WG1350161
Trichloroethene	U		0.000489	0.00122	1	09/22/2019 14:16	WG1350161
Trichlorofluoromethane	U		0.000611	0.00305	1	09/22/2019 14:16	WG1350161
1,2,3-Trichloropropane	U		0.00623	0.0153	1	09/22/2019 14:16	WG1350161
1,2,4-Trimethylbenzene	0.00365	J	0.00142	0.00611	1	09/22/2019 14:16	WG1350161
1,2,3-Trimethylbenzene	0.0105		0.00140	0.00611	1	09/22/2019 14:16	WG1350161
1,3,5-Trimethylbenzene	0.00291	J	0.00132	0.00611	1	09/22/2019 14:16	WG1350161
Vinyl acetate	U		0.00430	0.0153	1	09/22/2019 14:16	WG1350161
Vinyl chloride	U		0.000834	0.00305	1	09/22/2019 14:16	WG1350161
Xylenes, Total	U		0.00584	0.00794	1	09/22/2019 14:16	WG1350161
(S) Toluene-d8	*103*			*75.0-131*		*09/22/2019 14:16*	WG1350161
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/22/2019 14:16*	WG1350161
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/22/2019 14:16*	WG1350161

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	5.04		1.62	4.89	1	09/23/2019 17:14	WG1350213
Residual Range Organics (RRO)	U		4.07	12.2	1	09/23/2019 17:14	WG1350213
(S) o-Terphenyl	*72.2*			*18.0-148*		*09/23/2019 17:14*	WG1350213

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.9		1	09/24/2019 11:40	WG1350796

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	29.9		0.998	2.94	25	09/24/2019 11:33	WG1350856
(S) a,a,a-Trifluorotoluene(FID)	*97.7*			*77.0-120*		*09/24/2019 11:33*	WG1350856

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.591	B	0.129	0.235	8	09/22/2019 20:03	WG1350161
Acrylonitrile	U		0.0179	0.118	8	09/22/2019 20:03	WG1350161
Benzene	0.0766		0.00377	0.00942	8	09/22/2019 20:03	WG1350161
Bromobenzene	U		0.00989	0.118	8	09/22/2019 20:03	WG1350161
Bromodichloromethane	U		0.00742	0.0235	8	09/22/2019 20:03	WG1350161
Bromochloromethane	U		0.0106	0.0471	8	09/22/2019 20:03	WG1350161
Bromoform	U		0.0563	0.235	8	09/22/2019 20:03	WG1350161
Bromomethane	U		0.0348	0.118	8	09/22/2019 20:03	WG1350161
n-Butylbenzene	U		0.0361	0.118	8	09/22/2019 20:03	WG1350161
sec-Butylbenzene	0.0279	J	0.0238	0.118	8	09/22/2019 20:03	WG1350161
tert-Butylbenzene	U		0.0146	0.0471	8	09/22/2019 20:03	WG1350161
Carbon disulfide	U		0.0383	0.118	8	09/22/2019 20:03	WG1350161
Carbon tetrachloride	U		0.0102	0.0471	8	09/22/2019 20:03	WG1350161
Chlorobenzene	U		0.00539	0.0235	8	09/22/2019 20:03	WG1350161
Chlorodibromomethane	U		0.00424	0.0235	8	09/22/2019 20:03	WG1350161
Chloroethane	U		0.0102	0.0471	8	09/22/2019 20:03	WG1350161
Chloroform	U		0.00391	0.0235	8	09/22/2019 20:03	WG1350161
Chloromethane	U		0.0131	0.118	8	09/22/2019 20:03	WG1350161
2-Chlorotoluene	U		0.00866	0.0235	8	09/22/2019 20:03	WG1350161
4-Chlorotoluene	U		0.0106	0.0471	8	09/22/2019 20:03	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.0480	0.235	8	09/22/2019 20:03	WG1350161
1,2-Dibromoethane	U		0.00494	0.0235	8	09/22/2019 20:03	WG1350161
Dibromomethane	U		0.00942	0.0471	8	09/22/2019 20:03	WG1350161
1,2-Dichlorobenzene	U		0.0137	0.0471	8	09/22/2019 20:03	WG1350161
1,3-Dichlorobenzene	U		0.0160	0.0471	8	09/22/2019 20:03	WG1350161
1,4-Dichlorobenzene	U		0.0186	0.0471	8	09/22/2019 20:03	WG1350161
Dichlorodifluoromethane	U		0.00770	0.0235	8	09/22/2019 20:03	WG1350161
1,1-Dichloroethane	U		0.00542	0.0235	8	09/22/2019 20:03	WG1350161
1,2-Dichloroethane	U		0.00447	0.0235	8	09/22/2019 20:03	WG1350161
1,1-Dichloroethene	U		0.00471	0.0235	8	09/22/2019 20:03	WG1350161
cis-1,2-Dichloroethene	U		0.00650	0.0235	8	09/22/2019 20:03	WG1350161
trans-1,2-Dichloroethene	U		0.0134	0.0471	8	09/22/2019 20:03	WG1350161
1,2-Dichloropropane	U		0.0120	0.0471	8	09/22/2019 20:03	WG1350161
1,1-Dichloropropene	U		0.00659	0.0235	8	09/22/2019 20:03	WG1350161
1,3-Dichloropropane	U		0.0165	0.0471	8	09/22/2019 20:03	WG1350161
cis-1,3-Dichloropropene	U		0.00638	0.0235	8	09/22/2019 20:03	WG1350161
trans-1,3-Dichloropropene	U		0.0144	0.0471	8	09/22/2019 20:03	WG1350161
trans-1,4-Dichloro-2-butene	U		0.0132	0.0471	8	09/22/2019 20:03	WG1350161
2,2-Dichloropropane	U		0.00746	0.0235	8	09/22/2019 20:03	WG1350161
Di-isopropyl ether	U		0.00330	0.00942	8	09/22/2019 20:03	WG1350161
Ethylbenzene	1.45		0.00499	0.0235	8	09/22/2019 20:03	WG1350161
Hexachloro-1,3-butadiene	U		0.120	0.235	8	09/22/2019 20:03	WG1350161
2-Hexanone	U		0.0942	0.235	8	09/22/2019 20:03	WG1350161
n-Hexane	0.343		0.00998	0.0471	8	09/22/2019 20:03	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.0570	0.118	8	09/22/2019 20:03	WG1350161
Isopropylbenzene	0.212		0.00812	0.0235	8	09/22/2019 20:03	WG1350161
p-Isopropyltoluene	U		0.0219	0.0471	8	09/22/2019 20:03	WG1350161
2-Butanone (MEK)	U		0.118	0.235	8	09/22/2019 20:03	WG1350161
Methylene Chloride	U		0.0625	0.235	8	09/22/2019 20:03	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.0942	0.235	8	09/22/2019 20:03	WG1350161
Methyl tert-butyl ether	U		0.00278	0.00942	8	09/22/2019 20:03	WG1350161
Naphthalene	0.963		0.0294	0.118	8	09/22/2019 20:03	WG1350161
n-Propylbenzene	0.807		0.0111	0.0471	8	09/22/2019 20:03	WG1350161
Styrene	U		0.0257	0.118	8	09/22/2019 20:03	WG1350161
1,1,1,2-Tetrachloroethane	U		0.00471	0.0235	8	09/22/2019 20:03	WG1350161
1,1,2,2-Tetrachloroethane	U		0.00367	0.0235	8	09/22/2019 20:03	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.00636	0.0235	8	09/22/2019 20:03	WG1350161
Tetrachloroethene	U		0.00659	0.0235	8	09/22/2019 20:03	WG1350161
Toluene	0.0503		0.0118	0.0471	8	09/22/2019 20:03	WG1350161
1,2,3-Trichlorobenzene	U		0.00589	0.0235	8	09/22/2019 20:03	WG1350161
1,2,4-Trichlorobenzene	U		0.0454	0.118	8	09/22/2019 20:03	WG1350161
1,1,1-Trichloroethane	U		0.00259	0.0235	8	09/22/2019 20:03	WG1350161
1,1,2-Trichloroethane	U		0.00831	0.0235	8	09/22/2019 20:03	WG1350161
Trichloroethene	U		0.00377	0.00942	8	09/22/2019 20:03	WG1350161
Trichlorofluoromethane	U		0.00471	0.0235	8	09/22/2019 20:03	WG1350161
1,2,3-Trichloropropane	U		0.0480	0.118	8	09/22/2019 20:03	WG1350161
1,2,4-Trimethylbenzene	0.0333	J	0.0109	0.0471	8	09/22/2019 20:03	WG1350161
1,2,3-Trimethylbenzene	0.130		0.0108	0.0471	8	09/22/2019 20:03	WG1350161
1,3,5-Trimethylbenzene	0.0458	J	0.0102	0.0471	8	09/22/2019 20:03	WG1350161
Vinyl acetate	U		0.0332	0.118	8	09/22/2019 20:03	WG1350161
Vinyl chloride	U		0.00643	0.0235	8	09/22/2019 20:03	WG1350161
Xylenes, Total	0.174		0.0450	0.0612	8	09/22/2019 20:03	WG1350161
(S) Toluene-d8	*105*			*75.0-131*		*09/22/2019 20:03*	WG1350161
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/22/2019 20:03*	WG1350161
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/22/2019 20:03*	WG1350161

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	2.34	J	1.57	4.71	1	09/23/2019 17:27	WG1350213
Residual Range Organics (RRO)	4.21	J	3.92	11.8	1	09/23/2019 17:27	WG1350213
(S) o-Terphenyl	*62.3*			*18.0-148*		*09/23/2019 17:27*	WG1350213

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	09/24/2019 11:40	WG1350796

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.242	B	0.0161	0.0294	1	09/22/2019 14:36	WG1350161
Acrylonitrile	U		0.00224	0.0147	1	09/22/2019 14:36	WG1350161
Benzene	0.150		0.000471	0.00118	1	09/22/2019 14:36	WG1350161
Bromobenzene	U		0.00124	0.0147	1	09/22/2019 14:36	WG1350161
Bromodichloromethane	U		0.000927	0.00294	1	09/22/2019 14:36	WG1350161
Bromochloromethane	U		0.00133	0.00588	1	09/22/2019 14:36	WG1350161
Bromoform	U		0.00704	0.0294	1	09/22/2019 14:36	WG1350161
Bromomethane	U		0.00435	0.0147	1	09/22/2019 14:36	WG1350161
n-Butylbenzene	U		0.00452	0.0147	1	09/22/2019 14:36	WG1350161
sec-Butylbenzene	0.00632	J	0.00298	0.0147	1	09/22/2019 14:36	WG1350161
tert-Butylbenzene	U		0.00182	0.00588	1	09/22/2019 14:36	WG1350161
Carbon disulfide	U		0.00478	0.0147	1	09/22/2019 14:36	WG1350161
Carbon tetrachloride	U		0.00127	0.00588	1	09/22/2019 14:36	WG1350161
Chlorobenzene	U		0.000674	0.00294	1	09/22/2019 14:36	WG1350161
Chlorodibromomethane	U		0.000529	0.00294	1	09/22/2019 14:36	WG1350161
Chloroethane	U		0.00127	0.00588	1	09/22/2019 14:36	WG1350161
Chloroform	0.000542	B J	0.000488	0.00294	1	09/22/2019 14:36	WG1350161
Chloromethane	U		0.00164	0.0147	1	09/22/2019 14:36	WG1350161
2-Chlorotoluene	U		0.00108	0.00294	1	09/22/2019 14:36	WG1350161
4-Chlorotoluene	U		0.00133	0.00588	1	09/22/2019 14:36	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.00600	0.0294	1	09/22/2019 14:36	WG1350161
1,2-Dibromoethane	U		0.000618	0.00294	1	09/22/2019 14:36	WG1350161
Dibromomethane	U		0.00118	0.00588	1	09/22/2019 14:36	WG1350161
1,2-Dichlorobenzene	U		0.00171	0.00588	1	09/22/2019 14:36	WG1350161
1,3-Dichlorobenzene	U		0.00200	0.00588	1	09/22/2019 14:36	WG1350161
1,4-Dichlorobenzene	U		0.00232	0.00588	1	09/22/2019 14:36	WG1350161
Dichlorodifluoromethane	U		0.000962	0.00294	1	09/22/2019 14:36	WG1350161
1,1-Dichloroethane	U		0.000677	0.00294	1	09/22/2019 14:36	WG1350161
1,2-Dichloroethane	U		0.000559	0.00294	1	09/22/2019 14:36	WG1350161
1,1-Dichloroethene	U		0.000588	0.00294	1	09/22/2019 14:36	WG1350161
cis-1,2-Dichloroethene	U		0.000812	0.00294	1	09/22/2019 14:36	WG1350161
trans-1,2-Dichloroethene	U		0.00168	0.00588	1	09/22/2019 14:36	WG1350161
1,2-Dichloropropane	U		0.00149	0.00588	1	09/22/2019 14:36	WG1350161
1,1-Dichloropropene	U		0.000824	0.00294	1	09/22/2019 14:36	WG1350161
1,3-Dichloropropane	U		0.00206	0.00588	1	09/22/2019 14:36	WG1350161
cis-1,3-Dichloropropene	U		0.000798	0.00294	1	09/22/2019 14:36	WG1350161
trans-1,3-Dichloropropene	U		0.00180	0.00588	1	09/22/2019 14:36	WG1350161
trans-1,4-Dichloro-2-butene	U		0.00165	0.00588	1	09/22/2019 14:36	WG1350161
2,2-Dichloropropane	U		0.000933	0.00294	1	09/22/2019 14:36	WG1350161
Di-isopropyl ether	U		0.000412	0.00118	1	09/22/2019 14:36	WG1350161
Ethylbenzene	0.505		0.000624	0.00294	1	09/22/2019 14:36	WG1350161
Hexachloro-1,3-butadiene	U		0.0149	0.0294	1	09/22/2019 14:36	WG1350161
2-Hexanone	U		0.0118	0.0294	1	09/22/2019 14:36	WG1350161
n-Hexane	0.0872		0.00125	0.00588	1	09/22/2019 14:36	WG1350161
Iodomethane	U		0.00712	0.0147	1	09/22/2019 14:36	WG1350161
Isopropylbenzene	0.164		0.00102	0.00294	1	09/22/2019 14:36	WG1350161
p-Isopropyltoluene	0.00409	J	0.00274	0.00588	1	09/22/2019 14:36	WG1350161
2-Butanone (MEK)	U		0.0147	0.0294	1	09/22/2019 14:36	WG1350161
Methylene Chloride	U		0.00781	0.0294	1	09/22/2019 14:36	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.0118	0.0294	1	09/22/2019 14:36	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000347	0.00118	1	09/22/2019 14:36	WG1350161
Naphthalene	0.0961		0.00367	0.0147	1	09/22/2019 14:36	WG1350161
n-Propylbenzene	0.221		0.00139	0.00588	1	09/22/2019 14:36	WG1350161
Styrene	U		0.00321	0.0147	1	09/22/2019 14:36	WG1350161
1,1,1,2-Tetrachloroethane	U		0.000588	0.00294	1	09/22/2019 14:36	WG1350161
1,1,2,2-Tetrachloroethane	U		0.000459	0.00294	1	09/22/2019 14:36	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.000794	0.00294	1	09/22/2019 14:36	WG1350161
Tetrachloroethene	U		0.000824	0.00294	1	09/22/2019 14:36	WG1350161
Toluene	0.0593		0.00147	0.00588	1	09/22/2019 14:36	WG1350161
1,2,3-Trichlorobenzene	U		0.000735	0.00294	1	09/22/2019 14:36	WG1350161
1,2,4-Trichlorobenzene	U		0.00567	0.0147	1	09/22/2019 14:36	WG1350161
1,1,1-Trichloroethane	U		0.000324	0.00294	1	09/22/2019 14:36	WG1350161
1,1,2-Trichloroethane	U		0.00104	0.00294	1	09/22/2019 14:36	WG1350161
Trichloroethene	U		0.000471	0.00118	1	09/22/2019 14:36	WG1350161
Trichlorofluoromethane	U		0.000588	0.00294	1	09/22/2019 14:36	WG1350161
1,2,3-Trichloropropane	U		0.00600	0.0147	1	09/22/2019 14:36	WG1350161
1,2,4-Trimethylbenzene	0.0140		0.00136	0.00588	1	09/22/2019 14:36	WG1350161
1,2,3-Trimethylbenzene	0.103		0.00135	0.00588	1	09/22/2019 14:36	WG1350161
1,3,5-Trimethylbenzene	0.0260		0.00127	0.00588	1	09/22/2019 14:36	WG1350161
Vinyl acetate	U		0.00414	0.0147	1	09/22/2019 14:36	WG1350161
Vinyl chloride	U		0.000804	0.00294	1	09/22/2019 14:36	WG1350161
Xylenes, Total	0.252		0.00562	0.00765	1	09/22/2019 14:36	WG1350161
(S) Toluene-d8	*106*			*75.0-131*		*09/22/2019 14:36*	WG1350161
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/22/2019 14:36*	WG1350161
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/22/2019 14:36*	WG1350161

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.6		1	09/24/2019 11:40	WG1350796

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0961	B	0.0162	0.0295	1	09/22/2019 14:56	WG1350161
Acrylonitrile	U		0.00224	0.0148	1	09/22/2019 14:56	WG1350161
Benzene	0.0796		0.000473	0.00118	1	09/22/2019 14:56	WG1350161
Bromobenzene	U		0.00124	0.0148	1	09/22/2019 14:56	WG1350161
Bromodichloromethane	U		0.000931	0.00295	1	09/22/2019 14:56	WG1350161
Bromochloromethane	U		0.00134	0.00591	1	09/22/2019 14:56	WG1350161
Bromoform	U		0.00707	0.0295	1	09/22/2019 14:56	WG1350161
Bromomethane	U		0.00437	0.0148	1	09/22/2019 14:56	WG1350161
n-Butylbenzene	0.0283		0.00454	0.0148	1	09/22/2019 14:56	WG1350161
sec-Butylbenzene	0.0105	J	0.00299	0.0148	1	09/22/2019 14:56	WG1350161
tert-Butylbenzene	U		0.00183	0.00591	1	09/22/2019 14:56	WG1350161
Carbon disulfide	U		0.00480	0.0148	1	09/22/2019 14:56	WG1350161
Carbon tetrachloride	U		0.00128	0.00591	1	09/22/2019 14:56	WG1350161
Chlorobenzene	U		0.000677	0.00295	1	09/22/2019 14:56	WG1350161
Chlorodibromomethane	U		0.000532	0.00295	1	09/22/2019 14:56	WG1350161
Chloroethane	U		0.00128	0.00591	1	09/22/2019 14:56	WG1350161
Chloroform	U		0.000490	0.00295	1	09/22/2019 14:56	WG1350161
Chloromethane	U		0.00164	0.0148	1	09/22/2019 14:56	WG1350161
2-Chlorotoluene	U		0.00109	0.00295	1	09/22/2019 14:56	WG1350161
4-Chlorotoluene	U		0.00134	0.00591	1	09/22/2019 14:56	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.00603	0.0295	1	09/22/2019 14:56	WG1350161
1,2-Dibromoethane	U		0.000620	0.00295	1	09/22/2019 14:56	WG1350161
Dibromomethane	U		0.00118	0.00591	1	09/22/2019 14:56	WG1350161
1,2-Dichlorobenzene	U		0.00171	0.00591	1	09/22/2019 14:56	WG1350161
1,3-Dichlorobenzene	U		0.00201	0.00591	1	09/22/2019 14:56	WG1350161
1,4-Dichlorobenzene	U		0.00233	0.00591	1	09/22/2019 14:56	WG1350161
Dichlorodifluoromethane	U		0.000966	0.00295	1	09/22/2019 14:56	WG1350161
1,1-Dichloroethane	U		0.000679	0.00295	1	09/22/2019 14:56	WG1350161
1,2-Dichloroethane	U		0.000561	0.00295	1	09/22/2019 14:56	WG1350161
1,1-Dichloroethene	U		0.000591	0.00295	1	09/22/2019 14:56	WG1350161
cis-1,2-Dichloroethene	U		0.000815	0.00295	1	09/22/2019 14:56	WG1350161
trans-1,2-Dichloroethene	U		0.00169	0.00591	1	09/22/2019 14:56	WG1350161
1,2-Dichloropropane	U		0.00150	0.00591	1	09/22/2019 14:56	WG1350161
1,1-Dichloropropene	U		0.000827	0.00295	1	09/22/2019 14:56	WG1350161
1,3-Dichloropropane	U		0.00207	0.00591	1	09/22/2019 14:56	WG1350161
cis-1,3-Dichloropropene	U		0.000801	0.00295	1	09/22/2019 14:56	WG1350161
trans-1,3-Dichloropropene	U		0.00181	0.00591	1	09/22/2019 14:56	WG1350161
trans-1,4-Dichloro-2-butene	U		0.00165	0.00591	1	09/22/2019 14:56	WG1350161
2,2-Dichloropropane	U		0.000937	0.00295	1	09/22/2019 14:56	WG1350161
Di-isopropyl ether	U		0.000414	0.00118	1	09/22/2019 14:56	WG1350161
Ethylbenzene	0.258		0.000626	0.00295	1	09/22/2019 14:56	WG1350161
Hexachloro-1,3-butadiene	U		0.0150	0.0295	1	09/22/2019 14:56	WG1350161
2-Hexanone	U		0.0118	0.0295	1	09/22/2019 14:56	WG1350161
n-Hexane	0.0465		0.00125	0.00591	1	09/22/2019 14:56	WG1350161
Iodomethane	U		0.00715	0.0148	1	09/22/2019 14:56	WG1350161
Isopropylbenzene	0.0811		0.00102	0.00295	1	09/22/2019 14:56	WG1350161
p-Isopropyltoluene	0.00444	J	0.00275	0.00591	1	09/22/2019 14:56	WG1350161
2-Butanone (MEK)	U		0.0148	0.0295	1	09/22/2019 14:56	WG1350161
Methylene Chloride	U		0.00784	0.0295	1	09/22/2019 14:56	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.0118	0.0295	1	09/22/2019 14:56	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000349	0.00118	1	09/22/2019 14:56	WG1350161
Naphthalene	0.117		0.00369	0.0148	1	09/22/2019 14:56	WG1350161
n-Propylbenzene	0.146		0.00139	0.00591	1	09/22/2019 14:56	WG1350161
Styrene	U		0.00323	0.0148	1	09/22/2019 14:56	WG1350161
1,1,1,2-Tetrachloroethane	U		0.000591	0.00295	1	09/22/2019 14:56	WG1350161
1,1,2,2-Tetrachloroethane	U		0.000461	0.00295	1	09/22/2019 14:56	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.000797	0.00295	1	09/22/2019 14:56	WG1350161
Tetrachloroethene	U		0.000827	0.00295	1	09/22/2019 14:56	WG1350161
Toluene	0.0132		0.00148	0.00591	1	09/22/2019 14:56	WG1350161
1,2,3-Trichlorobenzene	U		0.000738	0.00295	1	09/22/2019 14:56	WG1350161
1,2,4-Trichlorobenzene	U		0.00569	0.0148	1	09/22/2019 14:56	WG1350161
1,1,1-Trichloroethane	U		0.000325	0.00295	1	09/22/2019 14:56	WG1350161
1,1,2-Trichloroethane	U		0.00104	0.00295	1	09/22/2019 14:56	WG1350161
Trichloroethene	U		0.000473	0.00118	1	09/22/2019 14:56	WG1350161
Trichlorofluoromethane	U		0.000591	0.00295	1	09/22/2019 14:56	WG1350161
1,2,3-Trichloropropane	U		0.00603	0.0148	1	09/22/2019 14:56	WG1350161
1,2,4-Trimethylbenzene	0.0103		0.00137	0.00591	1	09/22/2019 14:56	WG1350161
1,2,3-Trimethylbenzene	0.0537		0.00136	0.00591	1	09/22/2019 14:56	WG1350161
1,3,5-Trimethylbenzene	0.0129		0.00128	0.00591	1	09/22/2019 14:56	WG1350161
Vinyl acetate	U		0.00416	0.0148	1	09/22/2019 14:56	WG1350161
Vinyl chloride	U		0.000807	0.00295	1	09/22/2019 14:56	WG1350161
Xylenes, Total	0.0896		0.00565	0.00768	1	09/22/2019 14:56	WG1350161
(S) Toluene-d8	*103*			*75.0-131*		*09/22/2019 14:56*	WG1350161
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*09/22/2019 14:56*	WG1350161
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/22/2019 14:56*	WG1350161

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.8		1	09/24/2019 11:40	WG1350796

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0899	B	0.0164	0.0299	1	09/22/2019 15:17	WG1350161
Acrylonitrile	U		0.00227	0.0149	1	09/22/2019 15:17	WG1350161
Benzene	0.00545		0.000478	0.00119	1	09/22/2019 15:17	WG1350161
Bromobenzene	U		0.00125	0.0149	1	09/22/2019 15:17	WG1350161
Bromodichloromethane	U		0.000941	0.00299	1	09/22/2019 15:17	WG1350161
Bromochloromethane	U		0.00135	0.00597	1	09/22/2019 15:17	WG1350161
Bromoform	U		0.00714	0.0299	1	09/22/2019 15:17	WG1350161
Bromomethane	U		0.00442	0.0149	1	09/22/2019 15:17	WG1350161
n-Butylbenzene	0.0229		0.00458	0.0149	1	09/22/2019 15:17	WG1350161
sec-Butylbenzene	0.0114	J	0.00302	0.0149	1	09/22/2019 15:17	WG1350161
tert-Butylbenzene	U		0.00185	0.00597	1	09/22/2019 15:17	WG1350161
Carbon disulfide	U		0.00485	0.0149	1	09/22/2019 15:17	WG1350161
Carbon tetrachloride	U		0.00129	0.00597	1	09/22/2019 15:17	WG1350161
Chlorobenzene	U		0.000684	0.00299	1	09/22/2019 15:17	WG1350161
Chlorodibromomethane	U		0.000537	0.00299	1	09/22/2019 15:17	WG1350161
Chloroethane	U		0.00129	0.00597	1	09/22/2019 15:17	WG1350161
Chloroform	0.00111	B J	0.000496	0.00299	1	09/22/2019 15:17	WG1350161
Chloromethane	U		0.00166	0.0149	1	09/22/2019 15:17	WG1350161
2-Chlorotoluene	U		0.00110	0.00299	1	09/22/2019 15:17	WG1350161
4-Chlorotoluene	U		0.00135	0.00597	1	09/22/2019 15:17	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.00609	0.0299	1	09/22/2019 15:17	WG1350161
1,2-Dibromoethane	U		0.000627	0.00299	1	09/22/2019 15:17	WG1350161
Dibromomethane	U		0.00119	0.00597	1	09/22/2019 15:17	WG1350161
1,2-Dichlorobenzene	U		0.00173	0.00597	1	09/22/2019 15:17	WG1350161
1,3-Dichlorobenzene	U		0.00203	0.00597	1	09/22/2019 15:17	WG1350161
1,4-Dichlorobenzene	U		0.00235	0.00597	1	09/22/2019 15:17	WG1350161
Dichlorodifluoromethane	U		0.000977	0.00299	1	09/22/2019 15:17	WG1350161
1,1-Dichloroethane	U		0.000687	0.00299	1	09/22/2019 15:17	WG1350161
1,2-Dichloroethane	U		0.000567	0.00299	1	09/22/2019 15:17	WG1350161
1,1-Dichloroethene	U		0.000597	0.00299	1	09/22/2019 15:17	WG1350161
cis-1,2-Dichloroethene	U		0.000824	0.00299	1	09/22/2019 15:17	WG1350161
trans-1,2-Dichloroethene	U		0.00171	0.00597	1	09/22/2019 15:17	WG1350161
1,2-Dichloropropane	U		0.00152	0.00597	1	09/22/2019 15:17	WG1350161
1,1-Dichloropropene	U		0.000836	0.00299	1	09/22/2019 15:17	WG1350161
1,3-Dichloropropane	U		0.00209	0.00597	1	09/22/2019 15:17	WG1350161
cis-1,3-Dichloropropene	U		0.000810	0.00299	1	09/22/2019 15:17	WG1350161
trans-1,3-Dichloropropene	U		0.00183	0.00597	1	09/22/2019 15:17	WG1350161
trans-1,4-Dichloro-2-butene	U		0.00167	0.00597	1	09/22/2019 15:17	WG1350161
2,2-Dichloropropane	U		0.000947	0.00299	1	09/22/2019 15:17	WG1350161
Di-isopropyl ether	U		0.000418	0.00119	1	09/22/2019 15:17	WG1350161
Ethylbenzene	0.00553		0.000633	0.00299	1	09/22/2019 15:17	WG1350161
Hexachloro-1,3-butadiene	U		0.0152	0.0299	1	09/22/2019 15:17	WG1350161
2-Hexanone	U		0.0119	0.0299	1	09/22/2019 15:17	WG1350161
n-Hexane	0.00640		0.00127	0.00597	1	09/22/2019 15:17	WG1350161
Iodomethane	U		0.00722	0.0149	1	09/22/2019 15:17	WG1350161
Isopropylbenzene	0.0215		0.00103	0.00299	1	09/22/2019 15:17	WG1350161
p-Isopropyltoluene	U		0.00278	0.00597	1	09/22/2019 15:17	WG1350161
2-Butanone (MEK)	U		0.0149	0.0299	1	09/22/2019 15:17	WG1350161
Methylene Chloride	U		0.00793	0.0299	1	09/22/2019 15:17	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.0119	0.0299	1	09/22/2019 15:17	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000352	0.00119	1	09/22/2019 15:17	WG1350161
Naphthalene	0.0193		0.00373	0.0149	1	09/22/2019 15:17	WG1350161
n-Propylbenzene	0.126		0.00141	0.00597	1	09/22/2019 15:17	WG1350161
Styrene	U		0.00326	0.0149	1	09/22/2019 15:17	WG1350161
1,1,1,2-Tetrachloroethane	U		0.000597	0.00299	1	09/22/2019 15:17	WG1350161
1,1,2,2-Tetrachloroethane	U		0.000466	0.00299	1	09/22/2019 15:17	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.000806	0.00299	1	09/22/2019 15:17	WG1350161
Tetrachloroethene	U		0.000836	0.00299	1	09/22/2019 15:17	WG1350161
Toluene	0.0250		0.00149	0.00597	1	09/22/2019 15:17	WG1350161
1,2,3-Trichlorobenzene	U		0.000746	0.00299	1	09/22/2019 15:17	WG1350161
1,2,4-Trichlorobenzene	U		0.00576	0.0149	1	09/22/2019 15:17	WG1350161
1,1,1-Trichloroethane	U		0.000328	0.00299	1	09/22/2019 15:17	WG1350161
1,1,2-Trichloroethane	U		0.00105	0.00299	1	09/22/2019 15:17	WG1350161
Trichloroethene	U		0.000478	0.00119	1	09/22/2019 15:17	WG1350161
Trichlorofluoromethane	U		0.000597	0.00299	1	09/22/2019 15:17	WG1350161
1,2,3-Trichloropropane	U		0.00609	0.0149	1	09/22/2019 15:17	WG1350161
1,2,4-Trimethylbenzene	0.00456	J	0.00139	0.00597	1	09/22/2019 15:17	WG1350161
1,2,3-Trimethylbenzene	0.00494	J	0.00137	0.00597	1	09/22/2019 15:17	WG1350161
1,3,5-Trimethylbenzene	0.00379	J	0.00129	0.00597	1	09/22/2019 15:17	WG1350161
Vinyl acetate	U		0.00420	0.0149	1	09/22/2019 15:17	WG1350161
Vinyl chloride	U		0.000816	0.00299	1	09/22/2019 15:17	WG1350161
Xylenes, Total	0.0159		0.00571	0.00776	1	09/22/2019 15:17	WG1350161
(S) Toluene-d8	*104*			*75.0-131*		*09/22/2019 15:17*	WG1350161
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/22/2019 15:17*	WG1350161
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/22/2019 15:17*	WG1350161

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.5		1	09/24/2019 11:40	WG1350796

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0166	0.0303	1	09/22/2019 15:37	WG1350161
Acrylonitrile	U		0.00230	0.0152	1	09/22/2019 15:37	WG1350161
Benzene	0.0286		0.000485	0.00121	1	09/22/2019 15:37	WG1350161
Bromobenzene	U		0.00127	0.0152	1	09/22/2019 15:37	WG1350161
Bromodichloromethane	U		0.000955	0.00303	1	09/22/2019 15:37	WG1350161
Bromochloromethane	U		0.00137	0.00606	1	09/22/2019 15:37	WG1350161
Bromoform	U		0.00725	0.0303	1	09/22/2019 15:37	WG1350161
Bromomethane	U		0.00449	0.0152	1	09/22/2019 15:37	WG1350161
n-Butylbenzene	U		0.00466	0.0152	1	09/22/2019 15:37	WG1350161
sec-Butylbenzene	U		0.00307	0.0152	1	09/22/2019 15:37	WG1350161
tert-Butylbenzene	U		0.00188	0.00606	1	09/22/2019 15:37	WG1350161
Carbon disulfide	U		0.00492	0.0152	1	09/22/2019 15:37	WG1350161
Carbon tetrachloride	U		0.00131	0.00606	1	09/22/2019 15:37	WG1350161
Chlorobenzene	U		0.000695	0.00303	1	09/22/2019 15:37	WG1350161
Chlorodibromomethane	U		0.000546	0.00303	1	09/22/2019 15:37	WG1350161
Chloroethane	U		0.00131	0.00606	1	09/22/2019 15:37	WG1350161
Chloroform	0.000605	B J	0.000503	0.00303	1	09/22/2019 15:37	WG1350161
Chloromethane	U		0.00169	0.0152	1	09/22/2019 15:37	WG1350161
2-Chlorotoluene	U		0.00112	0.00303	1	09/22/2019 15:37	WG1350161
4-Chlorotoluene	U		0.00137	0.00606	1	09/22/2019 15:37	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.00618	0.0303	1	09/22/2019 15:37	WG1350161
1,2-Dibromoethane	U		0.000636	0.00303	1	09/22/2019 15:37	WG1350161
Dibromomethane	U		0.00121	0.00606	1	09/22/2019 15:37	WG1350161
1,2-Dichlorobenzene	U		0.00176	0.00606	1	09/22/2019 15:37	WG1350161
1,3-Dichlorobenzene	U		0.00206	0.00606	1	09/22/2019 15:37	WG1350161
1,4-Dichlorobenzene	U		0.00239	0.00606	1	09/22/2019 15:37	WG1350161
Dichlorodifluoromethane	U		0.000992	0.00303	1	09/22/2019 15:37	WG1350161
1,1-Dichloroethane	U		0.000697	0.00303	1	09/22/2019 15:37	WG1350161
1,2-Dichloroethane	U		0.000576	0.00303	1	09/22/2019 15:37	WG1350161
1,1-Dichloroethene	U		0.000606	0.00303	1	09/22/2019 15:37	WG1350161
cis-1,2-Dichloroethene	0.00721		0.000836	0.00303	1	09/22/2019 15:37	WG1350161
trans-1,2-Dichloroethene	U		0.00173	0.00606	1	09/22/2019 15:37	WG1350161
1,2-Dichloropropane	U		0.00154	0.00606	1	09/22/2019 15:37	WG1350161
1,1-Dichloropropene	U		0.000849	0.00303	1	09/22/2019 15:37	WG1350161
1,3-Dichloropropane	U		0.00212	0.00606	1	09/22/2019 15:37	WG1350161
cis-1,3-Dichloropropene	U		0.000822	0.00303	1	09/22/2019 15:37	WG1350161
trans-1,3-Dichloropropene	U		0.00185	0.00606	1	09/22/2019 15:37	WG1350161
trans-1,4-Dichloro-2-butene	U		0.00170	0.00606	1	09/22/2019 15:37	WG1350161
2,2-Dichloropropane	U		0.000961	0.00303	1	09/22/2019 15:37	WG1350161
Di-isopropyl ether	U		0.000424	0.00121	1	09/22/2019 15:37	WG1350161
Ethylbenzene	0.000977	J	0.000643	0.00303	1	09/22/2019 15:37	WG1350161
Hexachloro-1,3-butadiene	U		0.0154	0.0303	1	09/22/2019 15:37	WG1350161
2-Hexanone	U		0.0121	0.0303	1	09/22/2019 15:37	WG1350161
n-Hexane	0.00516	J	0.00129	0.00606	1	09/22/2019 15:37	WG1350161
Iodomethane	U		0.00733	0.0152	1	09/22/2019 15:37	WG1350161
Isopropylbenzene	U		0.00105	0.00303	1	09/22/2019 15:37	WG1350161
p-Isopropyltoluene	U		0.00282	0.00606	1	09/22/2019 15:37	WG1350161
2-Butanone (MEK)	U		0.0152	0.0303	1	09/22/2019 15:37	WG1350161
Methylene Chloride	U		0.00805	0.0303	1	09/22/2019 15:37	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.0121	0.0303	1	09/22/2019 15:37	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000358	0.00121	1	09/22/2019 15:37	WG1350161
Naphthalene	U		0.00378	0.0152	1	09/22/2019 15:37	WG1350161
n-Propylbenzene	U		0.00143	0.00606	1	09/22/2019 15:37	WG1350161
Styrene	U		0.00331	0.0152	1	09/22/2019 15:37	WG1350161
1,1,1,2-Tetrachloroethane	U		0.000606	0.00303	1	09/22/2019 15:37	WG1350161
1,1,2,2-Tetrachloroethane	U		0.000473	0.00303	1	09/22/2019 15:37	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.000818	0.00303	1	09/22/2019 15:37	WG1350161
Tetrachloroethene	U		0.000849	0.00303	1	09/22/2019 15:37	WG1350161
Toluene	0.0200		0.00152	0.00606	1	09/22/2019 15:37	WG1350161
1,2,3-Trichlorobenzene	U		0.000758	0.00303	1	09/22/2019 15:37	WG1350161
1,2,4-Trichlorobenzene	U		0.00584	0.0152	1	09/22/2019 15:37	WG1350161
1,1,1-Trichloroethane	U		0.000333	0.00303	1	09/22/2019 15:37	WG1350161
1,1,2-Trichloroethane	U		0.00107	0.00303	1	09/22/2019 15:37	WG1350161
Trichloroethene	U		0.000485	0.00121	1	09/22/2019 15:37	WG1350161
Trichlorofluoromethane	0.00150	J	0.000606	0.00303	1	09/22/2019 15:37	WG1350161
1,2,3-Trichloropropane	U		0.00618	0.0152	1	09/22/2019 15:37	WG1350161
1,2,4-Trimethylbenzene	U		0.00141	0.00606	1	09/22/2019 15:37	WG1350161
1,2,3-Trimethylbenzene	U		0.00139	0.00606	1	09/22/2019 15:37	WG1350161
1,3,5-Trimethylbenzene	U		0.00131	0.00606	1	09/22/2019 15:37	WG1350161
Vinyl acetate	U		0.00427	0.0152	1	09/22/2019 15:37	WG1350161
Vinyl chloride	U		0.000828	0.00303	1	09/22/2019 15:37	WG1350161
Xylenes, Total	U		0.00579	0.00788	1	09/22/2019 15:37	WG1350161
(S) Toluene-d8	*105*			*75.0-131*		*09/22/2019 15:37*	WG1350161
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/22/2019 15:37*	WG1350161
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*		*09/22/2019 15:37*	WG1350161

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.5		1	09/24/2019 11:40	WG1350796

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0415	B	0.0166	0.0303	1	09/22/2019 15:58	WG1350161
Acrylonitrile	U		0.00230	0.0152	1	09/22/2019 15:58	WG1350161
Benzene	0.0387		0.000485	0.00121	1	09/22/2019 15:58	WG1350161
Bromobenzene	U		0.00127	0.0152	1	09/22/2019 15:58	WG1350161
Bromodichloromethane	U		0.000955	0.00303	1	09/22/2019 15:58	WG1350161
Bromochloromethane	U		0.00137	0.00606	1	09/22/2019 15:58	WG1350161
Bromoform	U		0.00725	0.0303	1	09/22/2019 15:58	WG1350161
Bromomethane	U		0.00449	0.0152	1	09/22/2019 15:58	WG1350161
n-Butylbenzene	U		0.00466	0.0152	1	09/22/2019 15:58	WG1350161
sec-Butylbenzene	U		0.00307	0.0152	1	09/22/2019 15:58	WG1350161
tert-Butylbenzene	U		0.00188	0.00606	1	09/22/2019 15:58	WG1350161
Carbon disulfide	U		0.00492	0.0152	1	09/22/2019 15:58	WG1350161
Carbon tetrachloride	U		0.00131	0.00606	1	09/22/2019 15:58	WG1350161
Chlorobenzene	U		0.000695	0.00303	1	09/22/2019 15:58	WG1350161
Chlorodibromomethane	U		0.000546	0.00303	1	09/22/2019 15:58	WG1350161
Chloroethane	U		0.00131	0.00606	1	09/22/2019 15:58	WG1350161
Chloroform	U		0.000503	0.00303	1	09/22/2019 15:58	WG1350161
Chloromethane	U		0.00169	0.0152	1	09/22/2019 15:58	WG1350161
2-Chlorotoluene	U		0.00112	0.00303	1	09/22/2019 15:58	WG1350161
4-Chlorotoluene	U		0.00137	0.00606	1	09/22/2019 15:58	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.00618	0.0303	1	09/22/2019 15:58	WG1350161
1,2-Dibromoethane	U		0.000637	0.00303	1	09/22/2019 15:58	WG1350161
Dibromomethane	U		0.00121	0.00606	1	09/22/2019 15:58	WG1350161
1,2-Dichlorobenzene	U		0.00176	0.00606	1	09/22/2019 15:58	WG1350161
1,3-Dichlorobenzene	U		0.00206	0.00606	1	09/22/2019 15:58	WG1350161
1,4-Dichlorobenzene	U		0.00239	0.00606	1	09/22/2019 15:58	WG1350161
Dichlorodifluoromethane	U		0.000992	0.00303	1	09/22/2019 15:58	WG1350161
1,1-Dichloroethane	U		0.000697	0.00303	1	09/22/2019 15:58	WG1350161
1,2-Dichloroethane	U		0.000576	0.00303	1	09/22/2019 15:58	WG1350161
1,1-Dichloroethene	U		0.000606	0.00303	1	09/22/2019 15:58	WG1350161
cis-1,2-Dichloroethene	0.170		0.000837	0.00303	1	09/22/2019 15:58	WG1350161
trans-1,2-Dichloroethene	U		0.00173	0.00606	1	09/22/2019 15:58	WG1350161
1,2-Dichloropropane	U		0.00154	0.00606	1	09/22/2019 15:58	WG1350161
1,1-Dichloropropene	U		0.000849	0.00303	1	09/22/2019 15:58	WG1350161
1,3-Dichloropropane	U		0.00212	0.00606	1	09/22/2019 15:58	WG1350161
cis-1,3-Dichloropropene	U		0.000822	0.00303	1	09/22/2019 15:58	WG1350161
trans-1,3-Dichloropropene	U		0.00186	0.00606	1	09/22/2019 15:58	WG1350161
trans-1,4-Dichloro-2-butene	U		0.00170	0.00606	1	09/22/2019 15:58	WG1350161
2,2-Dichloropropane	U		0.000962	0.00303	1	09/22/2019 15:58	WG1350161
Di-isopropyl ether	U		0.000424	0.00121	1	09/22/2019 15:58	WG1350161
Ethylbenzene	0.00116	J	0.000643	0.00303	1	09/22/2019 15:58	WG1350161
Hexachloro-1,3-butadiene	U		0.0154	0.0303	1	09/22/2019 15:58	WG1350161
2-Hexanone	U		0.0121	0.0303	1	09/22/2019 15:58	WG1350161
n-Hexane	U		0.00129	0.00606	1	09/22/2019 15:58	WG1350161
Iodomethane	U		0.00734	0.0152	1	09/22/2019 15:58	WG1350161
Isopropylbenzene	0.00828		0.00105	0.00303	1	09/22/2019 15:58	WG1350161
p-Isopropyltoluene	U		0.00283	0.00606	1	09/22/2019 15:58	WG1350161
2-Butanone (MEK)	U		0.0152	0.0303	1	09/22/2019 15:58	WG1350161
Methylene Chloride	U		0.00805	0.0303	1	09/22/2019 15:58	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.0121	0.0303	1	09/22/2019 15:58	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000358	0.00121	1	09/22/2019 15:58	WG1350161
Naphthalene	U		0.00378	0.0152	1	09/22/2019 15:58	WG1350161
n-Propylbenzene	U		0.00143	0.00606	1	09/22/2019 15:58	WG1350161
Styrene	U		0.00331	0.0152	1	09/22/2019 15:58	WG1350161
1,1,1,2-Tetrachloroethane	U		0.000606	0.00303	1	09/22/2019 15:58	WG1350161
1,1,2,2-Tetrachloroethane	U		0.000473	0.00303	1	09/22/2019 15:58	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.000818	0.00303	1	09/22/2019 15:58	WG1350161
Tetrachloroethene	U		0.000849	0.00303	1	09/22/2019 15:58	WG1350161
Toluene	0.0381		0.00152	0.00606	1	09/22/2019 15:58	WG1350161
1,2,3-Trichlorobenzene	U		0.000758	0.00303	1	09/22/2019 15:58	WG1350161
1,2,4-Trichlorobenzene	U		0.00584	0.0152	1	09/22/2019 15:58	WG1350161
1,1,1-Trichloroethane	U		0.000333	0.00303	1	09/22/2019 15:58	WG1350161
1,1,2-Trichloroethane	U		0.00107	0.00303	1	09/22/2019 15:58	WG1350161
Trichloroethene	U		0.000485	0.00121	1	09/22/2019 15:58	WG1350161
Trichlorofluoromethane	U		0.000606	0.00303	1	09/22/2019 15:58	WG1350161
1,2,3-Trichloropropane	U		0.00618	0.0152	1	09/22/2019 15:58	WG1350161
1,2,4-Trimethylbenzene	U		0.00141	0.00606	1	09/22/2019 15:58	WG1350161
1,2,3-Trimethylbenzene	U		0.00139	0.00606	1	09/22/2019 15:58	WG1350161
1,3,5-Trimethylbenzene	U		0.00131	0.00606	1	09/22/2019 15:58	WG1350161
Vinyl acetate	U		0.00427	0.0152	1	09/22/2019 15:58	WG1350161
Vinyl chloride	U		0.000828	0.00303	1	09/22/2019 15:58	WG1350161
Xylenes, Total	U		0.00580	0.00788	1	09/22/2019 15:58	WG1350161
(S) Toluene-d8	*104*			*75.0-131*		*09/22/2019 15:58*	WG1350161
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*09/22/2019 15:58*	WG1350161
(S) 1,2-Dichloroethane-d4	*96.7*			*70.0-130*		*09/22/2019 15:58*	WG1350161

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.3		1	09/24/2019 11:40	WG1350796

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0472	B	0.0173	0.0315	1	09/22/2019 16:18	WG1350161
Acrylonitrile	U		0.00240	0.0158	1	09/22/2019 16:18	WG1350161
Benzene	0.00557		0.000505	0.00126	1	09/22/2019 16:18	WG1350161
Bromobenzene	U		0.00132	0.0158	1	09/22/2019 16:18	WG1350161
Bromodichloromethane	U		0.000994	0.00315	1	09/22/2019 16:18	WG1350161
Bromochloromethane	U		0.00143	0.00631	1	09/22/2019 16:18	WG1350161
Bromoform	U		0.00754	0.0315	1	09/22/2019 16:18	WG1350161
Bromomethane	U		0.00467	0.0158	1	09/22/2019 16:18	WG1350161
n-Butylbenzene	U		0.00484	0.0158	1	09/22/2019 16:18	WG1350161
sec-Butylbenzene	U		0.00319	0.0158	1	09/22/2019 16:18	WG1350161
tert-Butylbenzene	U		0.00196	0.00631	1	09/22/2019 16:18	WG1350161
Carbon disulfide	U		0.00512	0.0158	1	09/22/2019 16:18	WG1350161
Carbon tetrachloride	U		0.00136	0.00631	1	09/22/2019 16:18	WG1350161
Chlorobenzene	U		0.000723	0.00315	1	09/22/2019 16:18	WG1350161
Chlorodibromomethane	U		0.000568	0.00315	1	09/22/2019 16:18	WG1350161
Chloroethane	U		0.00136	0.00631	1	09/22/2019 16:18	WG1350161
Chloroform	0.000686	B J	0.000523	0.00315	1	09/22/2019 16:18	WG1350161
Chloromethane	U		0.00175	0.0158	1	09/22/2019 16:18	WG1350161
2-Chlorotoluene	U		0.00116	0.00315	1	09/22/2019 16:18	WG1350161
4-Chlorotoluene	U		0.00143	0.00631	1	09/22/2019 16:18	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.00643	0.0315	1	09/22/2019 16:18	WG1350161
1,2-Dibromoethane	U		0.000662	0.00315	1	09/22/2019 16:18	WG1350161
Dibromomethane	U		0.00126	0.00631	1	09/22/2019 16:18	WG1350161
1,2-Dichlorobenzene	U		0.00183	0.00631	1	09/22/2019 16:18	WG1350161
1,3-Dichlorobenzene	U		0.00214	0.00631	1	09/22/2019 16:18	WG1350161
1,4-Dichlorobenzene	U		0.00248	0.00631	1	09/22/2019 16:18	WG1350161
Dichlorodifluoromethane	U		0.00103	0.00315	1	09/22/2019 16:18	WG1350161
1,1-Dichloroethane	U		0.000725	0.00315	1	09/22/2019 16:18	WG1350161
1,2-Dichloroethane	0.0128		0.000599	0.00315	1	09/22/2019 16:18	WG1350161
1,1-Dichloroethene	U		0.000631	0.00315	1	09/22/2019 16:18	WG1350161
cis-1,2-Dichloroethene	0.0154		0.000870	0.00315	1	09/22/2019 16:18	WG1350161
trans-1,2-Dichloroethene	U		0.00180	0.00631	1	09/22/2019 16:18	WG1350161
1,2-Dichloropropane	0.00537	J	0.00160	0.00631	1	09/22/2019 16:18	WG1350161
1,1-Dichloropropene	U		0.000883	0.00315	1	09/22/2019 16:18	WG1350161
1,3-Dichloropropane	U		0.00221	0.00631	1	09/22/2019 16:18	WG1350161
cis-1,3-Dichloropropene	U		0.000855	0.00315	1	09/22/2019 16:18	WG1350161
trans-1,3-Dichloropropene	U		0.00193	0.00631	1	09/22/2019 16:18	WG1350161
trans-1,4-Dichloro-2-butene	U		0.00177	0.00631	1	09/22/2019 16:18	WG1350161
2,2-Dichloropropane	U		0.00100	0.00315	1	09/22/2019 16:18	WG1350161
Di-isopropyl ether	U		0.000441	0.00126	1	09/22/2019 16:18	WG1350161
Ethylbenzene	U		0.000668	0.00315	1	09/22/2019 16:18	WG1350161
Hexachloro-1,3-butadiene	U		0.0160	0.0315	1	09/22/2019 16:18	WG1350161
2-Hexanone	U		0.0126	0.0315	1	09/22/2019 16:18	WG1350161
n-Hexane	U		0.00134	0.00631	1	09/22/2019 16:18	WG1350161
Iodomethane	U		0.00763	0.0158	1	09/22/2019 16:18	WG1350161
Isopropylbenzene	U		0.00109	0.00315	1	09/22/2019 16:18	WG1350161
p-Isopropyltoluene	U		0.00294	0.00631	1	09/22/2019 16:18	WG1350161
2-Butanone (MEK)	U		0.0158	0.0315	1	09/22/2019 16:18	WG1350161
Methylene Chloride	U		0.00838	0.0315	1	09/22/2019 16:18	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.0126	0.0315	1	09/22/2019 16:18	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000372	0.00126	1	09/22/2019 16:18	WG1350161
Naphthalene	U		0.00394	0.0158	1	09/22/2019 16:18	WG1350161
n-Propylbenzene	U		0.00149	0.00631	1	09/22/2019 16:18	WG1350161
Styrene	U		0.00344	0.0158	1	09/22/2019 16:18	WG1350161
1,1,1,2-Tetrachloroethane	U		0.000631	0.00315	1	09/22/2019 16:18	WG1350161
1,1,2,2-Tetrachloroethane	U		0.000492	0.00315	1	09/22/2019 16:18	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.000851	0.00315	1	09/22/2019 16:18	WG1350161
Tetrachloroethene	U		0.000883	0.00315	1	09/22/2019 16:18	WG1350161
Toluene	0.0229		0.00158	0.00631	1	09/22/2019 16:18	WG1350161
1,2,3-Trichlorobenzene	U		0.000788	0.00315	1	09/22/2019 16:18	WG1350161
1,2,4-Trichlorobenzene	U		0.00608	0.0158	1	09/22/2019 16:18	WG1350161
1,1,1-Trichloroethane	U		0.000347	0.00315	1	09/22/2019 16:18	WG1350161
1,1,2-Trichloroethane	U		0.00111	0.00315	1	09/22/2019 16:18	WG1350161
Trichloroethene	U		0.000505	0.00126	1	09/22/2019 16:18	WG1350161
Trichlorofluoromethane	U		0.000631	0.00315	1	09/22/2019 16:18	WG1350161
1,2,3-Trichloropropane	U		0.00643	0.0158	1	09/22/2019 16:18	WG1350161
1,2,4-Trimethylbenzene	U		0.00146	0.00631	1	09/22/2019 16:18	WG1350161
1,2,3-Trimethylbenzene	U		0.00145	0.00631	1	09/22/2019 16:18	WG1350161
1,3,5-Trimethylbenzene	U		0.00136	0.00631	1	09/22/2019 16:18	WG1350161
Vinyl acetate	U		0.00444	0.0158	1	09/22/2019 16:18	WG1350161
Vinyl chloride	U		0.000861	0.00315	1	09/22/2019 16:18	WG1350161
Xylenes, Total	U		0.00603	0.00820	1	09/22/2019 16:18	WG1350161
(S) Toluene-d8	*103*			*75.0-131*		*09/22/2019 16:18*	WG1350161
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/22/2019 16:18*	WG1350161
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/22/2019 16:18*	WG1350161

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.9		1	09/24/2019 11:40	WG1350796

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0229	B J	0.0163	0.0298	1	09/22/2019 18:01	WG1350161
Acrylonitrile	U		0.00226	0.0149	1	09/22/2019 18:01	WG1350161
Benzene	U		0.000477	0.00119	1	09/22/2019 18:01	WG1350161
Bromobenzene	U		0.00125	0.0149	1	09/22/2019 18:01	WG1350161
Bromodichloromethane	U		0.000939	0.00298	1	09/22/2019 18:01	WG1350161
Bromochloromethane	U		0.00135	0.00596	1	09/22/2019 18:01	WG1350161
Bromoform	U		0.00713	0.0298	1	09/22/2019 18:01	WG1350161
Bromomethane	U		0.00441	0.0149	1	09/22/2019 18:01	WG1350161
n-Butylbenzene	U		0.00458	0.0149	1	09/22/2019 18:01	WG1350161
sec-Butylbenzene	U		0.00302	0.0149	1	09/22/2019 18:01	WG1350161
tert-Butylbenzene	U		0.00185	0.00596	1	09/22/2019 18:01	WG1350161
Carbon disulfide	U		0.00484	0.0149	1	09/22/2019 18:01	WG1350161
Carbon tetrachloride	U		0.00129	0.00596	1	09/22/2019 18:01	WG1350161
Chlorobenzene	U		0.000683	0.00298	1	09/22/2019 18:01	WG1350161
Chlorodibromomethane	U		0.000536	0.00298	1	09/22/2019 18:01	WG1350161
Chloroethane	U		0.00129	0.00596	1	09/22/2019 18:01	WG1350161
Chloroform	0.00111	B J	0.000495	0.00298	1	09/22/2019 18:01	WG1350161
Chloromethane	U		0.00166	0.0149	1	09/22/2019 18:01	WG1350161
2-Chlorotoluene	U		0.00110	0.00298	1	09/22/2019 18:01	WG1350161
4-Chlorotoluene	U		0.00135	0.00596	1	09/22/2019 18:01	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.00608	0.0298	1	09/22/2019 18:01	WG1350161
1,2-Dibromoethane	U		0.000626	0.00298	1	09/22/2019 18:01	WG1350161
Dibromomethane	U		0.00119	0.00596	1	09/22/2019 18:01	WG1350161
1,2-Dichlorobenzene	U		0.00173	0.00596	1	09/22/2019 18:01	WG1350161
1,3-Dichlorobenzene	U		0.00203	0.00596	1	09/22/2019 18:01	WG1350161
1,4-Dichlorobenzene	U		0.00235	0.00596	1	09/22/2019 18:01	WG1350161
Dichlorodifluoromethane	U		0.000975	0.00298	1	09/22/2019 18:01	WG1350161
1,1-Dichloroethane	U		0.000685	0.00298	1	09/22/2019 18:01	WG1350161
1,2-Dichloroethane	U		0.000566	0.00298	1	09/22/2019 18:01	WG1350161
1,1-Dichloroethene	U		0.000596	0.00298	1	09/22/2019 18:01	WG1350161
cis-1,2-Dichloroethene	U		0.000822	0.00298	1	09/22/2019 18:01	WG1350161
trans-1,2-Dichloroethene	U		0.00170	0.00596	1	09/22/2019 18:01	WG1350161
1,2-Dichloropropane	U		0.00151	0.00596	1	09/22/2019 18:01	WG1350161
1,1-Dichloropropene	U		0.000834	0.00298	1	09/22/2019 18:01	WG1350161
1,3-Dichloropropane	U		0.00209	0.00596	1	09/22/2019 18:01	WG1350161
cis-1,3-Dichloropropene	U		0.000808	0.00298	1	09/22/2019 18:01	WG1350161
trans-1,3-Dichloropropene	U		0.00182	0.00596	1	09/22/2019 18:01	WG1350161
trans-1,4-Dichloro-2-butene	U		0.00167	0.00596	1	09/22/2019 18:01	WG1350161
2,2-Dichloropropane	U		0.000945	0.00298	1	09/22/2019 18:01	WG1350161
Di-isopropyl ether	U		0.000417	0.00119	1	09/22/2019 18:01	WG1350161
Ethylbenzene	U		0.000632	0.00298	1	09/22/2019 18:01	WG1350161
Hexachloro-1,3-butadiene	U		0.0151	0.0298	1	09/22/2019 18:01	WG1350161
2-Hexanone	U		0.0119	0.0298	1	09/22/2019 18:01	WG1350161
n-Hexane	U		0.00126	0.00596	1	09/22/2019 18:01	WG1350161
Iodomethane	U		0.00721	0.0149	1	09/22/2019 18:01	WG1350161
Isopropylbenzene	U		0.00103	0.00298	1	09/22/2019 18:01	WG1350161
p-Isopropyltoluene	U		0.00278	0.00596	1	09/22/2019 18:01	WG1350161
2-Butanone (MEK)	U		0.0149	0.0298	1	09/22/2019 18:01	WG1350161
Methylene Chloride	U		0.00791	0.0298	1	09/22/2019 18:01	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.0119	0.0298	1	09/22/2019 18:01	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000352	0.00119	1	09/22/2019 18:01	WG1350161
Naphthalene	U		0.00372	0.0149	1	09/22/2019 18:01	WG1350161
n-Propylbenzene	U		0.00141	0.00596	1	09/22/2019 18:01	WG1350161
Styrene	U		0.00325	0.0149	1	09/22/2019 18:01	WG1350161
1,1,1,2-Tetrachloroethane	U		0.000596	0.00298	1	09/22/2019 18:01	WG1350161
1,1,2,2-Tetrachloroethane	U		0.000465	0.00298	1	09/22/2019 18:01	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.000804	0.00298	1	09/22/2019 18:01	WG1350161
Tetrachloroethene	U		0.000834	0.00298	1	09/22/2019 18:01	WG1350161
Toluene	U		0.00149	0.00596	1	09/22/2019 18:01	WG1350161
1,2,3-Trichlorobenzene	U		0.000745	0.00298	1	09/22/2019 18:01	WG1350161
1,2,4-Trichlorobenzene	U		0.00574	0.0149	1	09/22/2019 18:01	WG1350161
1,1,1-Trichloroethane	U		0.000328	0.00298	1	09/22/2019 18:01	WG1350161
1,1,2-Trichloroethane	U		0.00105	0.00298	1	09/22/2019 18:01	WG1350161
Trichloroethene	U		0.000477	0.00119	1	09/22/2019 18:01	WG1350161
Trichlorofluoromethane	U		0.000596	0.00298	1	09/22/2019 18:01	WG1350161
1,2,3-Trichloropropane	U		0.00608	0.0149	1	09/22/2019 18:01	WG1350161
1,2,4-Trimethylbenzene	U		0.00138	0.00596	1	09/22/2019 18:01	WG1350161
1,2,3-Trimethylbenzene	U		0.00137	0.00596	1	09/22/2019 18:01	WG1350161
1,3,5-Trimethylbenzene	U		0.00129	0.00596	1	09/22/2019 18:01	WG1350161
Vinyl acetate	U		0.00420	0.0149	1	09/22/2019 18:01	WG1350161
Vinyl chloride	U		0.000814	0.00298	1	09/22/2019 18:01	WG1350161
Xylenes, Total	U		0.00570	0.00775	1	09/22/2019 18:01	WG1350161
(S) Toluene-d8	*106*			*75.0-131*		*09/22/2019 18:01*	WG1350161
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/22/2019 18:01*	WG1350161
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/22/2019 18:01*	WG1350161

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	09/24/2019 11:40	WG1350796

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0295	B	0.0152	0.0278	1	09/22/2019 18:21	WG1350161
Acrylonitrile	U		0.00211	0.0139	1	09/22/2019 18:21	WG1350161
Benzene	U		0.000444	0.00111	1	09/22/2019 18:21	WG1350161
Bromobenzene	U		0.00117	0.0139	1	09/22/2019 18:21	WG1350161
Bromodichloromethane	U		0.000875	0.00278	1	09/22/2019 18:21	WG1350161
Bromochloromethane	U		0.00125	0.00555	1	09/22/2019 18:21	WG1350161
Bromoform	U		0.00664	0.0278	1	09/22/2019 18:21	WG1350161
Bromomethane	U		0.00411	0.0139	1	09/22/2019 18:21	WG1350161
n-Butylbenzene	U		0.00426	0.0139	1	09/22/2019 18:21	WG1350161
sec-Butylbenzene	U		0.00281	0.0139	1	09/22/2019 18:21	WG1350161
tert-Butylbenzene	U		0.00172	0.00555	1	09/22/2019 18:21	WG1350161
Carbon disulfide	U		0.00451	0.0139	1	09/22/2019 18:21	WG1350161
Carbon tetrachloride	U		0.00120	0.00555	1	09/22/2019 18:21	WG1350161
Chlorobenzene	U		0.000636	0.00278	1	09/22/2019 18:21	WG1350161
Chlorodibromomethane	U		0.000500	0.00278	1	09/22/2019 18:21	WG1350161
Chloroethane	U		0.00120	0.00555	1	09/22/2019 18:21	WG1350161
Chloroform	0.000645	B J	0.000461	0.00278	1	09/22/2019 18:21	WG1350161
Chloromethane	U		0.00154	0.0139	1	09/22/2019 18:21	WG1350161
2-Chlorotoluene	U		0.00102	0.00278	1	09/22/2019 18:21	WG1350161
4-Chlorotoluene	U		0.00125	0.00555	1	09/22/2019 18:21	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.00566	0.0278	1	09/22/2019 18:21	WG1350161
1,2-Dibromoethane	U		0.000583	0.00278	1	09/22/2019 18:21	WG1350161
Dibromomethane	U		0.00111	0.00555	1	09/22/2019 18:21	WG1350161
1,2-Dichlorobenzene	U		0.00161	0.00555	1	09/22/2019 18:21	WG1350161
1,3-Dichlorobenzene	U		0.00189	0.00555	1	09/22/2019 18:21	WG1350161
1,4-Dichlorobenzene	U		0.00219	0.00555	1	09/22/2019 18:21	WG1350161
Dichlorodifluoromethane	U		0.000908	0.00278	1	09/22/2019 18:21	WG1350161
1,1-Dichloroethane	U		0.000638	0.00278	1	09/22/2019 18:21	WG1350161
1,2-Dichloroethane	U		0.000527	0.00278	1	09/22/2019 18:21	WG1350161
1,1-Dichloroethene	U		0.000555	0.00278	1	09/22/2019 18:21	WG1350161
cis-1,2-Dichloroethene	0.00184	J	0.000766	0.00278	1	09/22/2019 18:21	WG1350161
trans-1,2-Dichloroethene	U		0.00159	0.00555	1	09/22/2019 18:21	WG1350161
1,2-Dichloropropane	U		0.00141	0.00555	1	09/22/2019 18:21	WG1350161
1,1-Dichloropropene	U		0.000777	0.00278	1	09/22/2019 18:21	WG1350161
1,3-Dichloropropane	U		0.00194	0.00555	1	09/22/2019 18:21	WG1350161
cis-1,3-Dichloropropene	U		0.000753	0.00278	1	09/22/2019 18:21	WG1350161
trans-1,3-Dichloropropene	U		0.00170	0.00555	1	09/22/2019 18:21	WG1350161
trans-1,4-Dichloro-2-butene	U		0.00155	0.00555	1	09/22/2019 18:21	WG1350161
2,2-Dichloropropane	U		0.000880	0.00278	1	09/22/2019 18:21	WG1350161
Di-isopropyl ether	U		0.000389	0.00111	1	09/22/2019 18:21	WG1350161
Ethylbenzene	0.00151	J	0.000588	0.00278	1	09/22/2019 18:21	WG1350161
Hexachloro-1,3-butadiene	U		0.0141	0.0278	1	09/22/2019 18:21	WG1350161
2-Hexanone	U		0.0111	0.0278	1	09/22/2019 18:21	WG1350161
n-Hexane	0.00152	J	0.00118	0.00555	1	09/22/2019 18:21	WG1350161
Iodomethane	U		0.00672	0.0139	1	09/22/2019 18:21	WG1350161
Isopropylbenzene	U		0.000958	0.00278	1	09/22/2019 18:21	WG1350161
p-Isopropyltoluene	U		0.00259	0.00555	1	09/22/2019 18:21	WG1350161
2-Butanone (MEK)	U		0.0139	0.0278	1	09/22/2019 18:21	WG1350161
Methylene Chloride	U		0.00737	0.0278	1	09/22/2019 18:21	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.0111	0.0278	1	09/22/2019 18:21	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000327	0.00111	1	09/22/2019 18:21	WG1350161
Naphthalene	U		0.00346	0.0139	1	09/22/2019 18:21	WG1350161
n-Propylbenzene	U		0.00131	0.00555	1	09/22/2019 18:21	WG1350161
Styrene	U		0.00303	0.0139	1	09/22/2019 18:21	WG1350161
1,1,1,2-Tetrachloroethane	U		0.000555	0.00278	1	09/22/2019 18:21	WG1350161
1,1,2,2-Tetrachloroethane	U		0.000433	0.00278	1	09/22/2019 18:21	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.000749	0.00278	1	09/22/2019 18:21	WG1350161
Tetrachloroethene	U		0.000777	0.00278	1	09/22/2019 18:21	WG1350161
Toluene	0.0257		0.00139	0.00555	1	09/22/2019 18:21	WG1350161
1,2,3-Trichlorobenzene	U		0.000694	0.00278	1	09/22/2019 18:21	WG1350161
1,2,4-Trichlorobenzene	U		0.00535	0.0139	1	09/22/2019 18:21	WG1350161
1,1,1-Trichloroethane	U		0.000305	0.00278	1	09/22/2019 18:21	WG1350161
1,1,2-Trichloroethane	U		0.000980	0.00278	1	09/22/2019 18:21	WG1350161
Trichloroethene	U		0.000444	0.00111	1	09/22/2019 18:21	WG1350161
Trichlorofluoromethane	U		0.000555	0.00278	1	09/22/2019 18:21	WG1350161
1,2,3-Trichloropropane	U		0.00566	0.0139	1	09/22/2019 18:21	WG1350161
1,2,4-Trimethylbenzene	U		0.00129	0.00555	1	09/22/2019 18:21	WG1350161
1,2,3-Trimethylbenzene	U		0.00128	0.00555	1	09/22/2019 18:21	WG1350161
1,3,5-Trimethylbenzene	U		0.00120	0.00555	1	09/22/2019 18:21	WG1350161
Vinyl acetate	U		0.00391	0.0139	1	09/22/2019 18:21	WG1350161
Vinyl chloride	U		0.000758	0.00278	1	09/22/2019 18:21	WG1350161
Xylenes, Total	0.00583	J	0.00531	0.00722	1	09/22/2019 18:21	WG1350161
(S) Toluene-d8	*107*			*75.0-131*		*09/22/2019 18:21*	WG1350161
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/22/2019 18:21*	WG1350161
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/22/2019 18:21*	WG1350161

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	09/24/2019 15:45	WG1351165

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0399	B	0.0153	0.0279	1.04	09/22/2019 18:41	WG1350161
Acrylonitrile	U		0.00213	0.0140	1.04	09/22/2019 18:41	WG1350161
Benzene	U		0.000447	0.00112	1.04	09/22/2019 18:41	WG1350161
Bromobenzene	U		0.00117	0.0140	1.04	09/22/2019 18:41	WG1350161
Bromodichloromethane	U		0.000881	0.00279	1.04	09/22/2019 18:41	WG1350161
Bromochloromethane	U		0.00127	0.00559	1.04	09/22/2019 18:41	WG1350161
Bromoform	U		0.00668	0.0279	1.04	09/22/2019 18:41	WG1350161
Bromomethane	U		0.00414	0.0140	1.04	09/22/2019 18:41	WG1350161
n-Butylbenzene	U		0.00429	0.0140	1.04	09/22/2019 18:41	WG1350161
sec-Butylbenzene	U		0.00283	0.0140	1.04	09/22/2019 18:41	WG1350161
tert-Butylbenzene	U		0.00173	0.00559	1.04	09/22/2019 18:41	WG1350161
Carbon disulfide	U		0.00453	0.0140	1.04	09/22/2019 18:41	WG1350161
Carbon tetrachloride	U		0.00120	0.00559	1.04	09/22/2019 18:41	WG1350161
Chlorobenzene	U		0.000640	0.00279	1.04	09/22/2019 18:41	WG1350161
Chlorodibromomethane	U		0.000503	0.00279	1.04	09/22/2019 18:41	WG1350161
Chloroethane	U		0.00120	0.00559	1.04	09/22/2019 18:41	WG1350161
Chloroform	0.000714	B J	0.000464	0.00279	1.04	09/22/2019 18:41	WG1350161
Chloromethane	U		0.00155	0.0140	1.04	09/22/2019 18:41	WG1350161
2-Chlorotoluene	U		0.00103	0.00279	1.04	09/22/2019 18:41	WG1350161
4-Chlorotoluene	U		0.00127	0.00559	1.04	09/22/2019 18:41	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.00569	0.0279	1.04	09/22/2019 18:41	WG1350161
1,2-Dibromoethane	U		0.000587	0.00279	1.04	09/22/2019 18:41	WG1350161
Dibromomethane	U		0.00112	0.00559	1.04	09/22/2019 18:41	WG1350161
1,2-Dichlorobenzene	U		0.00162	0.00559	1.04	09/22/2019 18:41	WG1350161
1,3-Dichlorobenzene	U		0.00190	0.00559	1.04	09/22/2019 18:41	WG1350161
1,4-Dichlorobenzene	U		0.00220	0.00559	1.04	09/22/2019 18:41	WG1350161
Dichlorodifluoromethane	U		0.000914	0.00279	1.04	09/22/2019 18:41	WG1350161
1,1-Dichloroethane	U		0.000642	0.00279	1.04	09/22/2019 18:41	WG1350161
1,2-Dichloroethane	U		0.000531	0.00279	1.04	09/22/2019 18:41	WG1350161
1,1-Dichloroethene	U		0.000559	0.00279	1.04	09/22/2019 18:41	WG1350161
cis-1,2-Dichloroethene	U		0.000771	0.00279	1.04	09/22/2019 18:41	WG1350161
trans-1,2-Dichloroethene	U		0.00160	0.00559	1.04	09/22/2019 18:41	WG1350161
1,2-Dichloropropane	U		0.00142	0.00559	1.04	09/22/2019 18:41	WG1350161
1,1-Dichloropropene	U		0.000782	0.00279	1.04	09/22/2019 18:41	WG1350161
1,3-Dichloropropane	U		0.00196	0.00559	1.04	09/22/2019 18:41	WG1350161
cis-1,3-Dichloropropene	U		0.000757	0.00279	1.04	09/22/2019 18:41	WG1350161
trans-1,3-Dichloropropene	U		0.00171	0.00559	1.04	09/22/2019 18:41	WG1350161
trans-1,4-Dichloro-2-butene	U		0.00157	0.00559	1.04	09/22/2019 18:41	WG1350161
2,2-Dichloropropane	U		0.000886	0.00279	1.04	09/22/2019 18:41	WG1350161
Di-isopropyl ether	U		0.000391	0.00112	1.04	09/22/2019 18:41	WG1350161
Ethylbenzene	U		0.000592	0.00279	1.04	09/22/2019 18:41	WG1350161
Hexachloro-1,3-butadiene	U		0.0142	0.0279	1.04	09/22/2019 18:41	WG1350161
2-Hexanone	U		0.0112	0.0279	1.04	09/22/2019 18:41	WG1350161
n-Hexane	0.00377	J	0.00118	0.00559	1.04	09/22/2019 18:41	WG1350161
Iodomethane	U		0.00676	0.0140	1.04	09/22/2019 18:41	WG1350161
Isopropylbenzene	U		0.000965	0.00279	1.04	09/22/2019 18:41	WG1350161
p-Isopropyltoluene	U		0.00260	0.00559	1.04	09/22/2019 18:41	WG1350161
2-Butanone (MEK)	U		0.0140	0.0279	1.04	09/22/2019 18:41	WG1350161
Methylene Chloride	U		0.00741	0.0279	1.04	09/22/2019 18:41	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.0112	0.0279	1.04	09/22/2019 18:41	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000330	0.00112	1.04	09/22/2019 18:41	WG1350161
Naphthalene	U		0.00348	0.0140	1.04	09/22/2019 18:41	WG1350161
n-Propylbenzene	U		0.00132	0.00559	1.04	09/22/2019 18:41	WG1350161
Styrene	U		0.00305	0.0140	1.04	09/22/2019 18:41	WG1350161
1,1,1,2-Tetrachloroethane	U		0.000559	0.00279	1.04	09/22/2019 18:41	WG1350161
1,1,2,2-Tetrachloroethane	U		0.000436	0.00279	1.04	09/22/2019 18:41	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00279	1.04	09/22/2019 18:41	WG1350161
Tetrachloroethene	U		0.000782	0.00279	1.04	09/22/2019 18:41	WG1350161
Toluene	0.0170		0.00140	0.00559	1.04	09/22/2019 18:41	WG1350161
1,2,3-Trichlorobenzene	U		0.000698	0.00279	1.04	09/22/2019 18:41	WG1350161
1,2,4-Trichlorobenzene	U		0.00538	0.0140	1.04	09/22/2019 18:41	WG1350161
1,1,1-Trichloroethane	U		0.000307	0.00279	1.04	09/22/2019 18:41	WG1350161
1,1,2-Trichloroethane	U		0.000986	0.00279	1.04	09/22/2019 18:41	WG1350161
Trichloroethene	U		0.000447	0.00112	1.04	09/22/2019 18:41	WG1350161
Trichlorofluoromethane	U		0.000559	0.00279	1.04	09/22/2019 18:41	WG1350161
1,2,3-Trichloropropane	U		0.00569	0.0140	1.04	09/22/2019 18:41	WG1350161
1,2,4-Trimethylbenzene	U		0.00130	0.00559	1.04	09/22/2019 18:41	WG1350161
1,2,3-Trimethylbenzene	U		0.00129	0.00559	1.04	09/22/2019 18:41	WG1350161
1,3,5-Trimethylbenzene	U		0.00120	0.00559	1.04	09/22/2019 18:41	WG1350161
Vinyl acetate	U		0.00393	0.0140	1.04	09/22/2019 18:41	WG1350161
Vinyl chloride	U		0.000763	0.00279	1.04	09/22/2019 18:41	WG1350161
Xylenes, Total	U		0.00534	0.00726	1.04	09/22/2019 18:41	WG1350161
(S) Toluene-d8	*106*			*75.0-131*		*09/22/2019 18:41*	WG1350161
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/22/2019 18:41*	WG1350161
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/22/2019 18:41*	WG1350161

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.0		1	09/24/2019 15:45	WG1351165

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0571	B	0.0154	0.0281	1	09/22/2019 19:02	WG1350161
Acrylonitrile	U		0.00213	0.0140	1	09/22/2019 19:02	WG1350161
Benzene	U		0.000449	0.00112	1	09/22/2019 19:02	WG1350161
Bromobenzene	U		0.00118	0.0140	1	09/22/2019 19:02	WG1350161
Bromodichloromethane	U		0.000885	0.00281	1	09/22/2019 19:02	WG1350161
Bromochloromethane	U		0.00127	0.00562	1	09/22/2019 19:02	WG1350161
Bromoform	U		0.00672	0.0281	1	09/22/2019 19:02	WG1350161
Bromomethane	U		0.00416	0.0140	1	09/22/2019 19:02	WG1350161
n-Butylbenzene	U		0.00431	0.0140	1	09/22/2019 19:02	WG1350161
sec-Butylbenzene	U		0.00284	0.0140	1	09/22/2019 19:02	WG1350161
tert-Butylbenzene	U		0.00174	0.00562	1	09/22/2019 19:02	WG1350161
Carbon disulfide	U		0.00456	0.0140	1	09/22/2019 19:02	WG1350161
Carbon tetrachloride	U		0.00121	0.00562	1	09/22/2019 19:02	WG1350161
Chlorobenzene	U		0.000644	0.00281	1	09/22/2019 19:02	WG1350161
Chlorodibromomethane	U		0.000505	0.00281	1	09/22/2019 19:02	WG1350161
Chloroethane	U		0.00121	0.00562	1	09/22/2019 19:02	WG1350161
Chloroform	0.000593	B J	0.000466	0.00281	1	09/22/2019 19:02	WG1350161
Chloromethane	U		0.00156	0.0140	1	09/22/2019 19:02	WG1350161
2-Chlorotoluene	U		0.00103	0.00281	1	09/22/2019 19:02	WG1350161
4-Chlorotoluene	U		0.00127	0.00562	1	09/22/2019 19:02	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.00573	0.0281	1	09/22/2019 19:02	WG1350161
1,2-Dibromoethane	U		0.000590	0.00281	1	09/22/2019 19:02	WG1350161
Dibromomethane	U		0.00112	0.00562	1	09/22/2019 19:02	WG1350161
1,2-Dichlorobenzene	U		0.00163	0.00562	1	09/22/2019 19:02	WG1350161
1,3-Dichlorobenzene	U		0.00191	0.00562	1	09/22/2019 19:02	WG1350161
1,4-Dichlorobenzene	U		0.00221	0.00562	1	09/22/2019 19:02	WG1350161
Dichlorodifluoromethane	U		0.000919	0.00281	1	09/22/2019 19:02	WG1350161
1,1-Dichloroethane	U		0.000646	0.00281	1	09/22/2019 19:02	WG1350161
1,2-Dichloroethane	U		0.000534	0.00281	1	09/22/2019 19:02	WG1350161
1,1-Dichloroethene	U		0.000562	0.00281	1	09/22/2019 19:02	WG1350161
cis-1,2-Dichloroethene	U		0.000775	0.00281	1	09/22/2019 19:02	WG1350161
trans-1,2-Dichloroethene	U		0.00161	0.00562	1	09/22/2019 19:02	WG1350161
1,2-Dichloropropane	U		0.00143	0.00562	1	09/22/2019 19:02	WG1350161
1,1-Dichloropropene	U		0.000786	0.00281	1	09/22/2019 19:02	WG1350161
1,3-Dichloropropane	U		0.00197	0.00562	1	09/22/2019 19:02	WG1350161
cis-1,3-Dichloropropene	U		0.000762	0.00281	1	09/22/2019 19:02	WG1350161
trans-1,3-Dichloropropene	U		0.00172	0.00562	1	09/22/2019 19:02	WG1350161
trans-1,4-Dichloro-2-butene	U		0.00157	0.00562	1	09/22/2019 19:02	WG1350161
2,2-Dichloropropane	U		0.000891	0.00281	1	09/22/2019 19:02	WG1350161
Di-isopropyl ether	U		0.000393	0.00112	1	09/22/2019 19:02	WG1350161
Ethylbenzene	0.000785	J	0.000595	0.00281	1	09/22/2019 19:02	WG1350161
Hexachloro-1,3-butadiene	U		0.0143	0.0281	1	09/22/2019 19:02	WG1350161
2-Hexanone	U		0.0112	0.0281	1	09/22/2019 19:02	WG1350161
n-Hexane	0.00641		0.00119	0.00562	1	09/22/2019 19:02	WG1350161
Iodomethane	U		0.00680	0.0140	1	09/22/2019 19:02	WG1350161
Isopropylbenzene	U		0.000969	0.00281	1	09/22/2019 19:02	WG1350161
p-Isopropyltoluene	U		0.00262	0.00562	1	09/22/2019 19:02	WG1350161
2-Butanone (MEK)	U		0.0140	0.0281	1	09/22/2019 19:02	WG1350161
Methylene Chloride	U		0.00746	0.0281	1	09/22/2019 19:02	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.0112	0.0281	1	09/22/2019 19:02	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000331	0.00112	1	09/22/2019 19:02	WG1350161
Naphthalene	U		0.00350	0.0140	1	09/22/2019 19:02	WG1350161
n-Propylbenzene	U		0.00133	0.00562	1	09/22/2019 19:02	WG1350161
Styrene	U		0.00307	0.0140	1	09/22/2019 19:02	WG1350161
1,1,1,2-Tetrachloroethane	U		0.000562	0.00281	1	09/22/2019 19:02	WG1350161
1,1,2,2-Tetrachloroethane	U		0.000438	0.00281	1	09/22/2019 19:02	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.000758	0.00281	1	09/22/2019 19:02	WG1350161
Tetrachloroethene	U		0.000786	0.00281	1	09/22/2019 19:02	WG1350161
Toluene	0.0164		0.00140	0.00562	1	09/22/2019 19:02	WG1350161
1,2,3-Trichlorobenzene	U		0.000702	0.00281	1	09/22/2019 19:02	WG1350161
1,2,4-Trichlorobenzene	U		0.00541	0.0140	1	09/22/2019 19:02	WG1350161
1,1,1-Trichloroethane	U		0.000309	0.00281	1	09/22/2019 19:02	WG1350161
1,1,2-Trichloroethane	U		0.000992	0.00281	1	09/22/2019 19:02	WG1350161
Trichloroethene	U		0.000449	0.00112	1	09/22/2019 19:02	WG1350161
Trichlorofluoromethane	U		0.000562	0.00281	1	09/22/2019 19:02	WG1350161
1,2,3-Trichloropropane	U		0.00573	0.0140	1	09/22/2019 19:02	WG1350161
1,2,4-Trimethylbenzene	U		0.00130	0.00562	1	09/22/2019 19:02	WG1350161
1,2,3-Trimethylbenzene	U		0.00129	0.00562	1	09/22/2019 19:02	WG1350161
1,3,5-Trimethylbenzene	U		0.00121	0.00562	1	09/22/2019 19:02	WG1350161
Vinyl acetate	U		0.00395	0.0140	1	09/22/2019 19:02	WG1350161
Vinyl chloride	U		0.000767	0.00281	1	09/22/2019 19:02	WG1350161
Xylenes, Total	U		0.00537	0.00730	1	09/22/2019 19:02	WG1350161
(S) Toluene-d8	*104*			*75.0-131*		*09/22/2019 19:02*	WG1350161
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/22/2019 19:02*	WG1350161
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/22/2019 19:02*	WG1350161

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	09/24/2019 15:45	WG1351165

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0391	B	0.0156	0.0284	1	09/22/2019 19:22	WG1350161
Acrylonitrile	U		0.00216	0.0142	1	09/22/2019 19:22	WG1350161
Benzene	U		0.000455	0.00114	1	09/22/2019 19:22	WG1350161
Bromobenzene	U		0.00119	0.0142	1	09/22/2019 19:22	WG1350161
Bromodichloromethane	U		0.000896	0.00284	1	09/22/2019 19:22	WG1350161
Bromochloromethane	U		0.00128	0.00569	1	09/22/2019 19:22	WG1350161
Bromoform	U		0.00680	0.0284	1	09/22/2019 19:22	WG1350161
Bromomethane	U		0.00421	0.0142	1	09/22/2019 19:22	WG1350161
n-Butylbenzene	U		0.00437	0.0142	1	09/22/2019 19:22	WG1350161
sec-Butylbenzene	U		0.00288	0.0142	1	09/22/2019 19:22	WG1350161
tert-Butylbenzene	U		0.00176	0.00569	1	09/22/2019 19:22	WG1350161
Carbon disulfide	U		0.00462	0.0142	1	09/22/2019 19:22	WG1350161
Carbon tetrachloride	U		0.00123	0.00569	1	09/22/2019 19:22	WG1350161
Chlorobenzene	U		0.000652	0.00284	1	09/22/2019 19:22	WG1350161
Chlorodibromomethane	U		0.000512	0.00284	1	09/22/2019 19:22	WG1350161
Chloroethane	U		0.00123	0.00569	1	09/22/2019 19:22	WG1350161
Chloroform	0.000674	B J	0.000472	0.00284	1	09/22/2019 19:22	WG1350161
Chloromethane	U		0.00158	0.0142	1	09/22/2019 19:22	WG1350161
2-Chlorotoluene	U		0.00105	0.00284	1	09/22/2019 19:22	WG1350161
4-Chlorotoluene	U		0.00128	0.00569	1	09/22/2019 19:22	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.00580	0.0284	1	09/22/2019 19:22	WG1350161
1,2-Dibromoethane	U		0.000597	0.00284	1	09/22/2019 19:22	WG1350161
Dibromomethane	U		0.00114	0.00569	1	09/22/2019 19:22	WG1350161
1,2-Dichlorobenzene	U		0.00165	0.00569	1	09/22/2019 19:22	WG1350161
1,3-Dichlorobenzene	U		0.00193	0.00569	1	09/22/2019 19:22	WG1350161
1,4-Dichlorobenzene	U		0.00224	0.00569	1	09/22/2019 19:22	WG1350161
Dichlorodifluoromethane	U		0.000930	0.00284	1	09/22/2019 19:22	WG1350161
1,1-Dichloroethane	U		0.000654	0.00284	1	09/22/2019 19:22	WG1350161
1,2-Dichloroethane	U		0.000540	0.00284	1	09/22/2019 19:22	WG1350161
1,1-Dichloroethene	U		0.000569	0.00284	1	09/22/2019 19:22	WG1350161
cis-1,2-Dichloroethene	U		0.000785	0.00284	1	09/22/2019 19:22	WG1350161
trans-1,2-Dichloroethene	U		0.00163	0.00569	1	09/22/2019 19:22	WG1350161
1,2-Dichloropropane	U		0.00144	0.00569	1	09/22/2019 19:22	WG1350161
1,1-Dichloropropene	U		0.000796	0.00284	1	09/22/2019 19:22	WG1350161
1,3-Dichloropropane	U		0.00199	0.00569	1	09/22/2019 19:22	WG1350161
cis-1,3-Dichloropropene	U		0.000771	0.00284	1	09/22/2019 19:22	WG1350161
trans-1,3-Dichloropropene	U		0.00174	0.00569	1	09/22/2019 19:22	WG1350161
trans-1,4-Dichloro-2-butene	U		0.00159	0.00569	1	09/22/2019 19:22	WG1350161
2,2-Dichloropropane	U		0.000902	0.00284	1	09/22/2019 19:22	WG1350161
Di-isopropyl ether	U		0.000398	0.00114	1	09/22/2019 19:22	WG1350161
Ethylbenzene	0.000668	J	0.000603	0.00284	1	09/22/2019 19:22	WG1350161
Hexachloro-1,3-butadiene	U		0.0144	0.0284	1	09/22/2019 19:22	WG1350161
2-Hexanone	U		0.0114	0.0284	1	09/22/2019 19:22	WG1350161
n-Hexane	U		0.00121	0.00569	1	09/22/2019 19:22	WG1350161
Iodomethane	U		0.00688	0.0142	1	09/22/2019 19:22	WG1350161
Isopropylbenzene	U		0.000981	0.00284	1	09/22/2019 19:22	WG1350161
p-Isopropyltoluene	U		0.00265	0.00569	1	09/22/2019 19:22	WG1350161
2-Butanone (MEK)	U		0.0142	0.0284	1	09/22/2019 19:22	WG1350161
Methylene Chloride	U		0.00755	0.0284	1	09/22/2019 19:22	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0284	1	09/22/2019 19:22	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000335	0.00114	1	09/22/2019 19:22	WG1350161
Naphthalene	U		0.00355	0.0142	1	09/22/2019 19:22	WG1350161
n-Propylbenzene	U		0.00134	0.00569	1	09/22/2019 19:22	WG1350161
Styrene	U		0.00310	0.0142	1	09/22/2019 19:22	WG1350161
1,1,1,2-Tetrachloroethane	U		0.000569	0.00284	1	09/22/2019 19:22	WG1350161
1,1,2,2-Tetrachloroethane	U		0.000443	0.00284	1	09/22/2019 19:22	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.000768	0.00284	1	09/22/2019 19:22	WG1350161
Tetrachloroethene	U		0.000796	0.00284	1	09/22/2019 19:22	WG1350161
Toluene	0.0129		0.00142	0.00569	1	09/22/2019 19:22	WG1350161
1,2,3-Trichlorobenzene	U		0.000711	0.00284	1	09/22/2019 19:22	WG1350161
1,2,4-Trichlorobenzene	U		0.00548	0.0142	1	09/22/2019 19:22	WG1350161
1,1,1-Trichloroethane	U		0.000313	0.00284	1	09/22/2019 19:22	WG1350161
1,1,2-Trichloroethane	U		0.00100	0.00284	1	09/22/2019 19:22	WG1350161
Trichloroethene	U		0.000455	0.00114	1	09/22/2019 19:22	WG1350161
Trichlorofluoromethane	U		0.000569	0.00284	1	09/22/2019 19:22	WG1350161
1,2,3-Trichloropropane	U		0.00580	0.0142	1	09/22/2019 19:22	WG1350161
1,2,4-Trimethylbenzene	U		0.00132	0.00569	1	09/22/2019 19:22	WG1350161
1,2,3-Trimethylbenzene	U		0.00131	0.00569	1	09/22/2019 19:22	WG1350161
1,3,5-Trimethylbenzene	U		0.00123	0.00569	1	09/22/2019 19:22	WG1350161
Vinyl acetate	U		0.00400	0.0142	1	09/22/2019 19:22	WG1350161
Vinyl chloride	U		0.000777	0.00284	1	09/22/2019 19:22	WG1350161
Xylenes, Total	U		0.00544	0.00739	1	09/22/2019 19:22	WG1350161
(S) Toluene-d8	*106*			*75.0-131*		*09/22/2019 19:22*	WG1350161
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/22/2019 19:22*	WG1350161
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/22/2019 19:22*	WG1350161

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	09/24/2019 15:45	WG1351165

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0493	B	0.0148	0.0270	1	09/22/2019 19:43	WG1350161
Acrylonitrile	U		0.00205	0.0135	1	09/22/2019 19:43	WG1350161
Benzene	U		0.000432	0.00108	1	09/22/2019 19:43	WG1350161
Bromobenzene	U		0.00113	0.0135	1	09/22/2019 19:43	WG1350161
Bromodichloromethane	U		0.000852	0.00270	1	09/22/2019 19:43	WG1350161
Bromochloromethane	U		0.00122	0.00540	1	09/22/2019 19:43	WG1350161
Bromoform	U		0.00646	0.0270	1	09/22/2019 19:43	WG1350161
Bromomethane	U		0.00400	0.0135	1	09/22/2019 19:43	WG1350161
n-Butylbenzene	U		0.00415	0.0135	1	09/22/2019 19:43	WG1350161
sec-Butylbenzene	U		0.00273	0.0135	1	09/22/2019 19:43	WG1350161
tert-Butylbenzene	U		0.00168	0.00540	1	09/22/2019 19:43	WG1350161
Carbon disulfide	U		0.00439	0.0135	1	09/22/2019 19:43	WG1350161
Carbon tetrachloride	U		0.00117	0.00540	1	09/22/2019 19:43	WG1350161
Chlorobenzene	U		0.000619	0.00270	1	09/22/2019 19:43	WG1350161
Chlorodibromomethane	U		0.000486	0.00270	1	09/22/2019 19:43	WG1350161
Chloroethane	U		0.00117	0.00540	1	09/22/2019 19:43	WG1350161
Chloroform	U		0.000449	0.00270	1	09/22/2019 19:43	WG1350161
Chloromethane	U		0.00150	0.0135	1	09/22/2019 19:43	WG1350161
2-Chlorotoluene	U		0.000994	0.00270	1	09/22/2019 19:43	WG1350161
4-Chlorotoluene	U		0.00122	0.00540	1	09/22/2019 19:43	WG1350161
1,2-Dibromo-3-Chloropropane	U		0.00551	0.0270	1	09/22/2019 19:43	WG1350161
1,2-Dibromoethane	U		0.000567	0.00270	1	09/22/2019 19:43	WG1350161
Dibromomethane	U		0.00108	0.00540	1	09/22/2019 19:43	WG1350161
1,2-Dichlorobenzene	U		0.00157	0.00540	1	09/22/2019 19:43	WG1350161
1,3-Dichlorobenzene	U		0.00184	0.00540	1	09/22/2019 19:43	WG1350161
1,4-Dichlorobenzene	U		0.00213	0.00540	1	09/22/2019 19:43	WG1350161
Dichlorodifluoromethane	U		0.000884	0.00270	1	09/22/2019 19:43	WG1350161
1,1-Dichloroethane	U		0.000621	0.00270	1	09/22/2019 19:43	WG1350161
1,2-Dichloroethane	U		0.000513	0.00270	1	09/22/2019 19:43	WG1350161
1,1-Dichloroethene	U		0.000540	0.00270	1	09/22/2019 19:43	WG1350161
cis-1,2-Dichloroethene	U		0.000746	0.00270	1	09/22/2019 19:43	WG1350161
trans-1,2-Dichloroethene	U		0.00155	0.00540	1	09/22/2019 19:43	WG1350161
1,2-Dichloropropane	U		0.00137	0.00540	1	09/22/2019 19:43	WG1350161
1,1-Dichloropropene	U		0.000757	0.00270	1	09/22/2019 19:43	WG1350161
1,3-Dichloropropane	U		0.00189	0.00540	1	09/22/2019 19:43	WG1350161
cis-1,3-Dichloropropene	U		0.000733	0.00270	1	09/22/2019 19:43	WG1350161
trans-1,3-Dichloropropene	U		0.00165	0.00540	1	09/22/2019 19:43	WG1350161
trans-1,4-Dichloro-2-butene	U		0.00151	0.00540	1	09/22/2019 19:43	WG1350161
2,2-Dichloropropane	U		0.000857	0.00270	1	09/22/2019 19:43	WG1350161
Di-isopropyl ether	U		0.000378	0.00108	1	09/22/2019 19:43	WG1350161
Ethylbenzene	U		0.000573	0.00270	1	09/22/2019 19:43	WG1350161
Hexachloro-1,3-butadiene	U		0.0137	0.0270	1	09/22/2019 19:43	WG1350161
2-Hexanone	U		0.0108	0.0270	1	09/22/2019 19:43	WG1350161
n-Hexane	0.00807		0.00115	0.00540	1	09/22/2019 19:43	WG1350161
Iodomethane	U		0.00654	0.0135	1	09/22/2019 19:43	WG1350161
Isopropylbenzene	U		0.000933	0.00270	1	09/22/2019 19:43	WG1350161
p-Isopropyltoluene	U		0.00252	0.00540	1	09/22/2019 19:43	WG1350161
2-Butanone (MEK)	U		0.0135	0.0270	1	09/22/2019 19:43	WG1350161
Methylene Chloride	U		0.00718	0.0270	1	09/22/2019 19:43	WG1350161
4-Methyl-2-pentanone (MIBK)	U		0.0108	0.0270	1	09/22/2019 19:43	WG1350161

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000319	0.00108	1	09/22/2019 19:43	WG1350161
Naphthalene	U		0.00337	0.0135	1	09/22/2019 19:43	WG1350161
n-Propylbenzene	U		0.00128	0.00540	1	09/22/2019 19:43	WG1350161
Styrene	U		0.00295	0.0135	1	09/22/2019 19:43	WG1350161
1,1,1,2-Tetrachloroethane	U		0.000540	0.00270	1	09/22/2019 19:43	WG1350161
1,1,2,2-Tetrachloroethane	U		0.000422	0.00270	1	09/22/2019 19:43	WG1350161
1,1,2-Trichlorotrifluoroethane	U		0.000730	0.00270	1	09/22/2019 19:43	WG1350161
Tetrachloroethene	U		0.000757	0.00270	1	09/22/2019 19:43	WG1350161
Toluene	0.0100		0.00135	0.00540	1	09/22/2019 19:43	WG1350161
1,2,3-Trichlorobenzene	U		0.000676	0.00270	1	09/22/2019 19:43	WG1350161
1,2,4-Trichlorobenzene	U		0.00521	0.0135	1	09/22/2019 19:43	WG1350161
1,1,1-Trichloroethane	U		0.000297	0.00270	1	09/22/2019 19:43	WG1350161
1,1,2-Trichloroethane	U		0.000954	0.00270	1	09/22/2019 19:43	WG1350161
Trichloroethene	U		0.000432	0.00108	1	09/22/2019 19:43	WG1350161
Trichlorofluoromethane	U		0.000540	0.00270	1	09/22/2019 19:43	WG1350161
1,2,3-Trichloropropane	U		0.00551	0.0135	1	09/22/2019 19:43	WG1350161
1,2,4-Trimethylbenzene	U		0.00125	0.00540	1	09/22/2019 19:43	WG1350161
1,2,3-Trimethylbenzene	U		0.00124	0.00540	1	09/22/2019 19:43	WG1350161
1,3,5-Trimethylbenzene	U		0.00117	0.00540	1	09/22/2019 19:43	WG1350161
Vinyl acetate	U		0.00380	0.0135	1	09/22/2019 19:43	WG1350161
Vinyl chloride	U		0.000738	0.00270	1	09/22/2019 19:43	WG1350161
Xylenes, Total	U		0.00517	0.00703	1	09/22/2019 19:43	WG1350161
(S) Toluene-d8	*105*			*75.0-131*		*09/22/2019 19:43*	WG1350161
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/22/2019 19:43*	WG1350161
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/22/2019 19:43*	WG1350161

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.16	B J J0	1.05	25.0	1	09/25/2019 13:54	WG1351851
Acrylonitrile	U	J0	0.873	5.00	1	09/25/2019 13:54	WG1351851
Benzene	U		0.0896	0.500	1	09/25/2019 13:54	WG1351851
Bromobenzene	U		0.133	0.500	1	09/25/2019 13:54	WG1351851
Bromodichloromethane	U		0.0800	0.500	1	09/25/2019 13:54	WG1351851
Bromochloromethane	U		0.145	0.500	1	09/25/2019 13:54	WG1351851
Bromoform	U		0.186	0.500	1	09/25/2019 13:54	WG1351851
Bromomethane	U		0.157	2.50	1	09/25/2019 13:54	WG1351851
n-Butylbenzene	U		0.143	0.500	1	09/25/2019 13:54	WG1351851
sec-Butylbenzene	U		0.134	0.500	1	09/25/2019 13:54	WG1351851
tert-Butylbenzene	U		0.183	0.500	1	09/25/2019 13:54	WG1351851
Carbon disulfide	U		0.101	0.500	1	09/25/2019 13:54	WG1351851
Carbon tetrachloride	U		0.159	0.500	1	09/25/2019 13:54	WG1351851
Chlorobenzene	U		0.140	0.500	1	09/25/2019 13:54	WG1351851
Chlorodibromomethane	U		0.128	0.500	1	09/25/2019 13:54	WG1351851
Chloroethane	U		0.141	2.50	1	09/25/2019 13:54	WG1351851
Chloroform	U		0.0860	0.500	1	09/25/2019 13:54	WG1351851
Chloromethane	U		0.153	1.25	1	09/25/2019 13:54	WG1351851
2-Chlorotoluene	U		0.111	0.500	1	09/25/2019 13:54	WG1351851
4-Chlorotoluene	U		0.0972	0.500	1	09/25/2019 13:54	WG1351851
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/25/2019 13:54	WG1351851
1,2-Dibromoethane	U		0.193	0.500	1	09/25/2019 13:54	WG1351851
Dibromomethane	U		0.117	0.500	1	09/25/2019 13:54	WG1351851
1,2-Dichlorobenzene	U		0.101	0.500	1	09/25/2019 13:54	WG1351851
1,3-Dichlorobenzene	U		0.130	0.500	1	09/25/2019 13:54	WG1351851
1,4-Dichlorobenzene	U		0.121	0.500	1	09/25/2019 13:54	WG1351851
Dichlorodifluoromethane	U		0.127	2.50	1	09/25/2019 13:54	WG1351851
1,1-Dichloroethane	U		0.114	0.500	1	09/25/2019 13:54	WG1351851
1,2-Dichloroethane	U		0.108	0.500	1	09/25/2019 13:54	WG1351851
1,1-Dichloroethene	U		0.188	0.500	1	09/25/2019 13:54	WG1351851
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/25/2019 13:54	WG1351851
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/25/2019 13:54	WG1351851
1,2-Dichloropropane	U		0.190	0.500	1	09/25/2019 13:54	WG1351851
1,1-Dichloropropene	U		0.128	0.500	1	09/25/2019 13:54	WG1351851
1,3-Dichloropropane	U		0.147	1.00	1	09/25/2019 13:54	WG1351851
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/25/2019 13:54	WG1351851
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/25/2019 13:54	WG1351851
trans-1,4-Dichloro-2-butene	U	J0 J4	0.257	5.00	1	09/25/2019 13:54	WG1351851
2,2-Dichloropropane	U		0.0929	0.500	1	09/25/2019 13:54	WG1351851
Di-isopropyl ether	U		0.0924	0.500	1	09/25/2019 13:54	WG1351851
Ethylbenzene	U		0.158	0.500	1	09/25/2019 13:54	WG1351851
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/25/2019 13:54	WG1351851
2-Hexanone	U		0.757	5.00	1	09/25/2019 13:54	WG1351851
n-Hexane	U		0.305	5.00	1	09/25/2019 13:54	WG1351851
Iodomethane	U		0.377	10.0	1	09/25/2019 13:54	WG1351851
Isopropylbenzene	U		0.126	0.500	1	09/25/2019 13:54	WG1351851
p-Isopropyltoluene	U		0.138	0.500	1	09/25/2019 13:54	WG1351851
2-Butanone (MEK)	U	J0	1.28	5.00	1	09/25/2019 13:54	WG1351851
Methylene Chloride	U		1.07	2.50	1	09/25/2019 13:54	WG1351851
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/25/2019 13:54	WG1351851
Methyl tert-butyl ether	U		0.102	0.500	1	09/25/2019 13:54	WG1351851
Naphthalene	U		0.174	2.50	1	09/25/2019 13:54	WG1351851
n-Propylbenzene	U		0.162	0.500	1	09/25/2019 13:54	WG1351851
Styrene	U		0.117	0.500	1	09/25/2019 13:54	WG1351851
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/25/2019 13:54	WG1351851
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/25/2019 13:54	WG1351851

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/25/2019 13:54	WG1351851
Tetrachloroethene	U		0.199	0.500	1	09/25/2019 13:54	WG1351851
Toluene	U		0.412	0.500	1	09/25/2019 13:54	WG1351851
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/25/2019 13:54	WG1351851
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/25/2019 13:54	WG1351851
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/25/2019 13:54	WG1351851
1,1,2-Trichloroethane	U		0.186	0.500	1	09/25/2019 13:54	WG1351851
Trichloroethene	U		0.153	0.500	1	09/25/2019 13:54	WG1351851
Trichlorofluoromethane	U		0.130	2.50	1	09/25/2019 13:54	WG1351851
1,2,3-Trichloropropane	U	J0	0.247	2.50	1	09/25/2019 13:54	WG1351851
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/25/2019 13:54	WG1351851
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/25/2019 13:54	WG1351851
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/25/2019 13:54	WG1351851
Vinyl acetate	U	J3	0.645	5.00	1	09/25/2019 13:54	WG1351851
Vinyl chloride	U		0.118	0.500	1	09/25/2019 13:54	WG1351851
Xylenes, Total	U		0.316	1.50	1	09/25/2019 13:54	WG1351851
(S) Toluene-d8	*98.3*			*80.0-120*		*09/25/2019 13:54*	WG1351851
(S) 4-Bromofluorobenzene	*99.8*			*77.0-126*		*09/25/2019 13:54*	WG1351851
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*09/25/2019 13:54*	WG1351851

Method Blank (MB)

(MB) R3454297-1 09/24/19 13:24

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1141855-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1141855-01 09/24/19 13:24 • (DUP) R3454297-3 09/24/19 13:24

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	79.7	81.1	1	1.78		10

Laboratory Control Sample (LCS)

(LCS) R3454297-2 09/24/19 13:24

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.1	100	85.0-115	

Method Blank (MB)

(MB) R3454291-1 09/24/19 11:40

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1141899-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1141899-03 09/24/19 11:40 • (DUP) R3454291-3 09/24/19 11:40

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	81.9	82.4	1	0.665		10

Laboratory Control Sample (LCS)

(LCS) R3454291-2 09/24/19 11:40

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	49.8	99.7	85.0-115	

Method Blank (MB)

(MB) R3454343-1 09/24/19 15:45

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1142213-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1142213-01 09/24/19 15:45 • (DUP) R3454343-3 09/24/19 15:45

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	81.7	82.2	1	0.604		10

Laboratory Control Sample (LCS)

(LCS) R3454343-2 09/24/19 15:45

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) R3453748-1 09/23/19 19:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.00280	0.0300

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

(LCS) R3453748-2 09/23/19 19:17 • (LCSD) R3453748-3 09/23/19 19:20

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 %
Mercury	0.500	0.479	0.486	95.8	97.2	80.0-120			1.42	20

L1141281-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1141281-05 09/23/19 19:22 • (MS) R3453748-4 09/23/19 19:25 • (MSD) R3453748-5 09/23/19 19:32

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 %
Mercury	0.500	0.00890	0.437	0.435	85.6	85.2	1	75.0-125			0.467	20

Method Blank (MB)

(MB) R3453812-1 09/24/19 00:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.460	2.00
Barium	U		0.170	0.500
Cadmium	U		0.0700	0.500
Chromium	U		0.140	1.00
Lead	U		0.190	0.500
Selenium	U		0.620	2.00
Silver	U		0.120	1.00

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

(LCS) R3453812-2 09/24/19 00:05 • (LCSD) R3453812-3 09/24/19 00:07

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 %
Arsenic	100	94.9	93.7	94.9	93.7	80.0-120			1.34	20
Barium	100	100	98.5	100	98.5	80.0-120			1.73	20
Cadmium	100	95.4	93.8	95.4	93.8	80.0-120			1.72	20
Chromium	100	97.5	95.6	97.5	95.6	80.0-120			1.95	20
Lead	100	95.4	94.0	95.4	94.0	80.0-120			1.56	20
Selenium	100	100	99.1	100	99.1	80.0-120			1.32	20
Silver	20.0	17.5	17.2	87.5	86.1	80.0-120			1.58	20

L1141150-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1141150-08 09/24/19 00:10 • (MS) R3453812-6 09/24/19 00:19 • (MSD) R3453812-7 09/24/19 00:21

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 %
Arsenic	100	1.96	93.4	89.6	91.4	87.6	1	75.0-125			4.13	20
Barium	100	89.0	175	177	86.4	87.7	1	75.0-125			0.715	20
Cadmium	100	0.215	93.1	89.1	92.9	88.8	1	75.0-125			4.48	20
Chromium	100	16.8	107	109	90.2	92.7	1	75.0-125			2.31	20
Lead	100	28.9	139	127	110	98.0	1	75.0-125			9.19	20
Selenium	100	U	95.6	90.6	95.6	90.6	1	75.0-125			5.30	20
Silver	20.0	U	17.0	16.4	84.9	81.9	1	75.0-125			3.56	20

Method Blank (MB)

(MB) R3453721-2 09/21/19 18:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3453721-1 09/21/19 18:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	6.27	114	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*77.0-120*	

L1140816-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1140816-01 09/22/19 01:10 • (MS) R3453721-3 09/22/19 02:53 • (MSD) R3453721-4 09/22/19 03:14

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 %
Gasoline Range Organics-NWTPH	5.50	ND	170	165	122	118	25	10.0-149			3.01	27
(S) a,a,a-Trifluorotoluene(FID)					*107*	*107*		*77.0-120*				

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

Method Blank (MB)

(MB) R3454341-2 09/24/19 10:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3454341-1 09/24/19 09:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.12	93.1	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*77.0-120*	

Method Blank (MB)

(MB) R3453503-2 09/22/19 11:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	0.0401		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	0.00151	J	0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3453503-2 09/22/19 11:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*104*			*75.0-131*
(S) 4-Bromofluorobenzene	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3453503-1 09/22/19 10:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.587	93.9	10.0-160	
Acrylonitrile	0.625	0.526	84.1	45.0-153	
Benzene	0.125	0.127	101	70.0-123	
Bromobenzene	0.125	0.116	93.2	73.0-121	
Bromodichloromethane	0.125	0.142	114	73.0-121	
Bromochloromethane	0.125	0.155	124	77.0-128	
Bromoform	0.125	0.126	101	64.0-132	
Bromomethane	0.125	0.138	110	56.0-147	
n-Butylbenzene	0.125	0.113	90.8	68.0-135	
sec-Butylbenzene	0.125	0.131	105	74.0-130	
tert-Butylbenzene	0.125	0.119	95.0	75.0-127	
Carbon disulfide	0.125	0.116	92.5	56.0-133	
Carbon tetrachloride	0.125	0.145	116	66.0-128	
Chlorobenzene	0.125	0.109	87.5	76.0-128	
Chlorodibromomethane	0.125	0.144	115	74.0-127	
Chloroethane	0.125	0.135	108	61.0-134	
Chloroform	0.125	0.115	91.6	72.0-123	
Chloromethane	0.125	0.135	108	51.0-138	
2-Chlorotoluene	0.125	0.116	92.6	75.0-124	
4-Chlorotoluene	0.125	0.119	95.2	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.118	94.6	59.0-130	
1,2-Dibromoethane	0.125	0.123	98.7	74.0-128	
Dibromomethane	0.125	0.122	97.9	75.0-122	
1,2-Dichlorobenzene	0.125	0.122	97.2	76.0-124	
1,3-Dichlorobenzene	0.125	0.124	99.3	76.0-125	
1,4-Dichlorobenzene	0.125	0.123	98.1	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.132	105	45.0-143	
Dichlorodifluoromethane	0.125	0.138	110	43.0-156	
1,1-Dichloroethane	0.125	0.136	109	70.0-127	
1,2-Dichloroethane	0.125	0.133	106	65.0-131	
1,1-Dichloroethene	0.125	0.135	108	65.0-131	
cis-1,2-Dichloroethene	0.125	0.122	97.3	73.0-125	
trans-1,2-Dichloroethene	0.125	0.140	112	71.0-125	
1,2-Dichloropropane	0.125	0.125	99.7	74.0-125	
1,1-Dichloropropene	0.125	0.134	107	73.0-125	
1,3-Dichloropropane	0.125	0.115	91.6	80.0-125	
cis-1,3-Dichloropropene	0.125	0.124	99.5	76.0-127	
trans-1,3-Dichloropropene	0.125	0.120	96.0	73.0-127	
2,2-Dichloropropane	0.125	0.137	110	59.0-135	
Di-isopropyl ether	0.125	0.119	95.0	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3453503-1 09/22/19 10:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.125	99.7	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.125	99.7	57.0-150	
2-Hexanone	0.625	0.523	83.7	54.0-147	
n-Hexane	0.125	0.108	86.4	55.0-137	
Iodomethane	0.625	0.715	114	74.0-134	
Isopropylbenzene	0.125	0.112	89.9	72.0-127	
p-Isopropyltoluene	0.125	0.120	95.6	72.0-133	
2-Butanone (MEK)	0.625	0.587	93.9	30.0-160	
Methylene Chloride	0.125	0.124	99.1	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.526	84.2	56.0-143	
Methyl tert-butyl ether	0.125	0.143	115	66.0-132	
Naphthalene	0.125	0.120	96.2	59.0-130	
n-Propylbenzene	0.125	0.110	87.9	74.0-126	
Styrene	0.125	0.118	94.1	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.131	105	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0906	72.5	68.0-128	
Tetrachloroethene	0.125	0.145	116	70.0-136	
Toluene	0.125	0.115	92.2	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.116	92.9	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.114	91.6	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.140	112	62.0-137	
1,1,1-Trichloroethane	0.125	0.154	123	69.0-126	
1,1,2-Trichloroethane	0.125	0.128	103	78.0-123	
Trichloroethene	0.125	0.143	114	76.0-126	
Trichlorofluoromethane	0.125	0.118	94.4	61.0-142	
1,2,3-Trichloropropane	0.125	0.117	93.5	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.122	97.8	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.120	96.2	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.117	93.5	73.0-127	
Vinyl acetate	0.625	0.672	108	43.0-159	
Vinyl chloride	0.125	0.145	116	63.0-134	
Xylenes, Total	0.375	0.362	96.5	72.0-127	
(S) Toluene-d8			*104*	*75.0-131*	
(S) 4-Bromofluorobenzene			*106*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*105*	*70.0-130*	

Method Blank (MB)

(MB) R3454507-2 09/25/19 08:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	1.56	J	1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3454507-2 09/25/19 08:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*97.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

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

(LCS) R3454507-1 09/25/19 07:52 • (LCSD) R3454507-3 09/25/19 12:21

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	125	186	176	149	141	19.0-160			5.74	27
Acrylonitrile	125	154	151	123	121	55.0-149			2.00	20
Benzene	25.0	25.3	23.9	101	95.8	70.0-123			5.61	20
Bromobenzene	25.0	26.2	25.4	105	102	73.0-121			2.82	20
Bromodichloromethane	25.0	26.9	26.2	107	105	75.0-120			2.50	20
Bromochloromethane	25.0	25.6	25.0	102	100	76.0-122			2.19	20
Bromoform	25.0	27.8	27.2	111	109	68.0-132			2.22	20
Bromomethane	25.0	25.2	24.1	101	96.4	10.0-160			4.65	25
n-Butylbenzene	25.0	25.2	25.5	101	102	73.0-125			0.903	20
sec-Butylbenzene	25.0	26.4	25.4	105	102	75.0-125			3.71	20
tert-Butylbenzene	25.0	27.2	26.3	109	105	76.0-124			3.28	20
Carbon disulfide	25.0	23.9	22.7	95.5	90.8	61.0-128			5.02	20
Carbon tetrachloride	25.0	25.6	24.3	103	97.3	68.0-126			5.27	20
Chlorobenzene	25.0	24.8	24.3	99.2	97.4	80.0-121			1.88	20
Chlorodibromomethane	25.0	25.7	25.3	103	101	77.0-125			1.48	20
Chloroethane	25.0	24.4	23.4	97.4	93.6	47.0-150			4.06	20
Chloroform	25.0	26.3	25.1	105	100	73.0-120			4.81	20
Chloromethane	25.0	21.0	23.0	84.0	91.9	41.0-142			8.92	20
2-Chlorotoluene	25.0	26.9	26.4	108	106	76.0-123			1.85	20
4-Chlorotoluene	25.0	27.1	26.4	108	106	75.0-122			2.42	20
1,2-Dibromo-3-Chloropropane	25.0	28.7	29.6	115	118	58.0-134			2.88	20
1,2-Dibromoethane	25.0	26.1	25.7	104	103	80.0-122			1.59	20
Dibromomethane	25.0	26.5	25.4	106	102	80.0-120			4.13	20
1,2-Dichlorobenzene	25.0	24.0	24.3	95.9	97.1	79.0-121			1.25	20
1,3-Dichlorobenzene	25.0	24.1	24.0	96.5	96.0	79.0-120			0.499	20
1,4-Dichlorobenzene	25.0	24.4	24.3	97.6	97.2	79.0-120			0.326	20
Dichlorodifluoromethane	25.0	27.8	27.0	111	108	51.0-149			3.14	20
1,1-Dichloroethane	25.0	25.2	24.2	101	96.6	70.0-126			4.05	20
1,2-Dichloroethane	25.0	26.2	25.7	105	103	70.0-128			2.00	20
1,1-Dichloroethene	25.0	25.2	23.7	101	94.9	71.0-124			6.22	20
cis-1,2-Dichloroethene	25.0	25.1	23.9	101	95.5	73.0-120			5.18	20
trans-1,2-Dichloroethene	25.0	25.7	24.5	103	98.0	73.0-120			4.87	20
1,2-Dichloropropane	25.0	25.4	24.7	101	98.9	77.0-125			2.56	20
1,1-Dichloropropene	25.0	25.4	24.8	102	99.1	74.0-126			2.37	20
1,3-Dichloropropane	25.0	26.0	25.6	104	102	80.0-120			1.63	20
cis-1,3-Dichloropropene	25.0	26.6	26.5	106	106	80.0-123			0.120	20
trans-1,3-Dichloropropene	25.0	26.1	26.5	104	106	78.0-124			1.42	20
trans-1,4-Dichloro-2-butene	25.0	37.3	39.7	149	159	33.0-144	J4	J4	6.24	20
2,2-Dichloropropane	25.0	23.6	24.3	94.6	97.1	58.0-130			2.69	20
Di-isopropyl ether	25.0	26.8	26.1	107	104	58.0-138			2.88	20

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

(LCS) R3454507-1 09/25/19 07:52 • (LCSD) R3454507-3 09/25/19 12:21

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	25.0	24.8	24.1	99.0	96.6	79.0-123			2.50	20
Hexachloro-1,3-butadiene	25.0	22.6	23.8	90.3	95.2	54.0-138			5.29	20
2-Hexanone	125	144	147	115	118	67.0-149			2.23	20
n-Hexane	25.0	22.4	23.5	89.8	93.9	57.0-133			4.49	20
Iodomethane	125	126	120	101	96.4	33.0-147			4.45	26
Isopropylbenzene	25.0	26.0	25.5	104	102	76.0-127			1.89	20
p-Isopropyltoluene	25.0	25.9	25.6	104	102	76.0-125			1.10	20
2-Butanone (MEK)	125	162	163	130	130	44.0-160			0.165	20
Methylene Chloride	25.0	25.4	24.7	101	98.7	67.0-120			2.74	20
4-Methyl-2-pentanone (MIBK)	125	148	150	118	120	68.0-142			1.56	20
Methyl tert-butyl ether	25.0	28.7	27.6	115	110	68.0-125			3.80	20
Naphthalene	25.0	25.6	25.9	102	104	54.0-135			1.22	20
n-Propylbenzene	25.0	27.4	26.5	110	106	77.0-124			3.32	20
Styrene	25.0	26.4	25.9	106	104	73.0-130			1.92	20
1,1,1,2-Tetrachloroethane	25.0	25.3	24.8	101	99.2	75.0-125			1.87	20
1,1,2,2-Tetrachloroethane	25.0	28.4	29.4	113	118	65.0-130			3.73	20
1,1,2-Trichlorotrifluoroethane	25.0	24.9	23.8	99.6	95.1	69.0-132			4.70	20
Tetrachloroethene	25.0	23.8	23.4	95.1	93.5	72.0-132			1.70	20
Toluene	25.0	23.7	23.3	94.7	93.1	79.0-120			1.66	20
1,2,3-Trichlorobenzene	25.0	25.3	25.1	101	100	50.0-138			0.935	20
1,2,4-Trichlorobenzene	25.0	24.4	24.8	97.7	99.0	57.0-137			1.29	20
1,1,1-Trichloroethane	25.0	26.0	24.2	104	96.7	73.0-124			7.18	20
1,1,2-Trichloroethane	25.0	26.0	25.6	104	103	80.0-120			1.43	20
Trichloroethene	25.0	26.5	24.6	106	98.6	78.0-124			7.44	20
Trichlorofluoromethane	25.0	27.6	25.8	110	103	59.0-147			6.55	20
1,2,3-Trichloropropane	25.0	30.9	30.6	124	122	73.0-130			1.02	20
1,2,4-Trimethylbenzene	25.0	26.8	26.4	107	106	76.0-121			1.70	20
1,2,3-Trimethylbenzene	25.0	25.9	25.6	103	103	77.0-120			0.878	20
1,3,5-Trimethylbenzene	25.0	27.6	26.8	110	107	76.0-122			2.93	20
Vinyl acetate	125	101	136	81.2	109	11.0-160		J3	29.0	20
Vinyl chloride	25.0	24.9	23.7	99.7	95.0	67.0-131			4.83	20
Xylenes, Total	75.0	75.7	74.1	101	98.8	79.0-123			2.14	20
(S) Toluene-d8				*102*	*100*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*107*	*112*	*70.0-130*				

Method Blank (MB)

(MB) R3453498-1 09/23/19 01:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Residual Range Organics (RRO)	U		3.33	10.0
Diesel Range Organics (DRO)	U		1.33	4.00
(S) o-Terphenyl	*75.2*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3453498-2 09/23/19 01:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	33.6	67.2	50.0-150	
(S) o-Terphenyl			*91.1*	*18.0-148*	

L1141167-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1141167-01 09/23/19 01:38 • (MS) R3453498-3 09/23/19 09:15 • (MSD) R3453498-4 09/23/19 09:28

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 %
Diesel Range Organics (DRO)	50.0	U	35.2	35.9	70.4	71.8	1	50.0-150			1.97	20
(S) o-Terphenyl					*86.5*	*92.0*		*18.0-148*				

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.
ND	Not detected at the Reporting Limit (or MDL where applicable).
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.
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

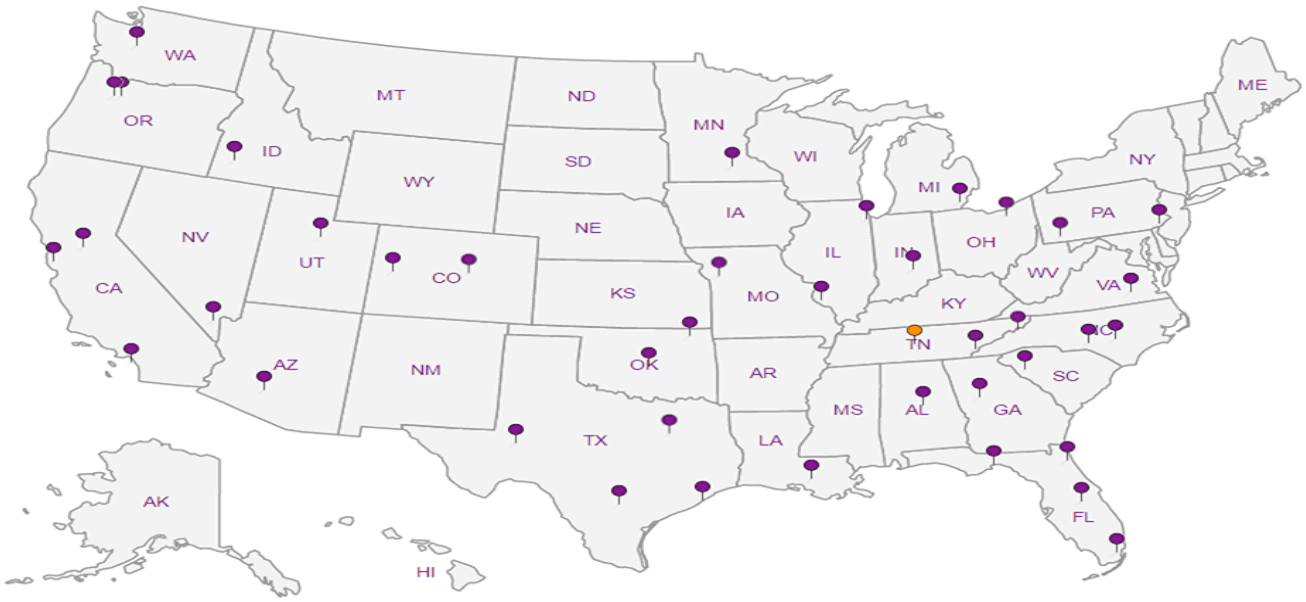
Third Party Federal Accreditations

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
Fax: 206-529-3985

Client Project # 1413.001.02.501

Lab Project # PESENVSWA-ALP

Collected by (print): H W Small

Site/Facility ID # 700 DEXTER AVE N.

P.O. #

Collected by (signature): H W Small

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation

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

SDG # L1141899

C093

Acctnum: PESENVSWA
Template: T154694
Prelogin: P725383
PM: 110 - Brian Ford
PB: 8/21/19 RM

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	NWTPH-Gx	NWTPH-Dx	RCRA8 METALS	Remarks	Sample # (lab only)
MW-309-5	GRAB	SS	~~0~~5	9/19/19	1025	2	X	X					-01
MW-309-10		SS	~~1~~0		1030	3	X	X	X	X			02
MW-309-13.5		SS	13.5		1050	3	X	X	X	X	X		03
MW-309-15		SS	15		1035	3	X	X	X	X			04
MW-309-20		SS	20		1100	2	X	X					05
		SS											
		SS											
		SS											
		SS											
		SS											

Analysis / Container / Preservative

* 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 # Same

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) H W Small	Date: 9/20/19	Time: 1100	Received by: (Signature)	Trip Blank Received: Yes / No (HCl) / MeoH TBR	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: AS °C 0.4-2=0.2	Bottles Received: 35
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9-21-19	Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

PES Environmental, Inc.- WA

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Seattle, WA 98161

Billing Information:
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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
Fax: 206-529-3985

Client Project # 1413.001.02.521

Lab Project # PESENVSWA-ALP

Collected by (print): H.W. SMALL

Site/Facility ID # 700 DEXTER AVE N.

P.O. #

Collected by (signature): H.W. Small

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	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-309-25	GRAB	SS	25	9/19/19	1105	2	X	X		-06
MW-309-30		SS	30		1110	2	X	X		07
MW-309-35		SS	35		1115	2	X	X		08
MW-309-40		SS	40		1130	2	X	X		09
MW-309-45		SS	45		1135	2	X	X		10
MW-309-50		SS	50		1140	2	X	X		11
MW-309-55		SS	55		1150	2	X	X		12
MW-309-60		SS	60		1155	2	X	X		13
MW-309-65		SS	65		1200	2	X	X		14
MW-309-70		SS	70		1205	2	X	X		15

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 7899 5160 4755

Relinquished by : (Signature) H.W. Small — Date: 9/20/19 — Time: 1100

Received by: (Signature)

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

Relinquished by : (Signature) — Date: — Time:

Received by: (Signature)

Temp: A 5 °C 0.4-.2=0.2 — Bottles Received: 35

If preservation required by Login: Date/Time

Relinquished by : (Signature) — Date: — Time:

Received for lab by: (Signature)

Date: 9-21-19 — Time: 8:45

Hold:

Condition: NCF / (OK)

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

Chain of Custody Page 1 of ___

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 # L1141899

Table #

Acctnum: PESENVSWA
Template: T154694
Prelogin: P725383
PM: 110 - Brian Ford
PB: 8/21/19 mc
Shipped Via: FedEX Ground

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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Collected by (signature): H Sneall

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	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-309-75	GRAB	SS	75	9/19/19	1210	2	X	X		-16
TB-091919	—	~~SS~~ W	—	—	—	1	X			17
		SS								
		SS								
		SS								
		SS								
		SS								
		SS								
		SS								
		SS								

Chain of Custody Page ___ of ___

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Acctnum: PESENVSWA

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Prelogin: P725383

PM: 110 - Brian Ford

PB: 8/21/19 MG

ShippedVia: FedEX Ground

* 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 # Same

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
H Sneall	9/20/19	1100		1
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: A9 °C 0.4-2=0.2 Bottles Received: 35
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9-21-19 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

October 02, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1141922
Samples Received:	09/21/2019
Project Number:	1413.001.02.501B
Description:	

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

Entire Report Reviewed By:

Brian Ford
Project Manager

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

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TB2-092019 L1141922-01 GW

Collected by: R. McLaughlin | Collected date/time: 09/20/19 13:45 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1353837	1	09/28/19 21:59	09/28/19 21:59	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354826	1	10/01/19 14:00	10/01/19 14:00	BMB	Mt. Juliet, TN

MW-301-6 L1141922-02 Solid

Collected by: R. McLaughlin | Collected date/time: 09/20/19 12:45 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352853	1	09/27/19 15:23	09/27/19 15:31	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354025	1	09/20/19 12:45	09/29/19 02:53	ACG	Mt. Juliet, TN

MW-301-10 L1141922-03 Solid

Collected by: R. McLaughlin | Collected date/time: 09/20/19 12:50 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352853	1	09/27/19 15:23	09/27/19 15:31	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354025	1	09/20/19 12:50	09/29/19 03:15	ACG	Mt. Juliet, TN

MW-301-15 L1141922-04 Solid

Collected by: R. McLaughlin | Collected date/time: 09/20/19 13:00 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352853	1	09/27/19 15:23	09/27/19 15:31	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354025	1	09/20/19 13:00	09/29/19 03:36	ACG	Mt. Juliet, TN

MW-301-20 L1141922-05 Solid

Collected by: R. McLaughlin | Collected date/time: 09/20/19 13:05 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352853	1	09/27/19 15:23	09/27/19 15:31	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354025	2.82	09/20/19 13:05	09/29/19 03:58	ACG	Mt. Juliet, TN

MW-301-25 L1141922-06 Solid

Collected by: R. McLaughlin | Collected date/time: 09/20/19 13:35 | Received date/time: 09/21/19 08:45

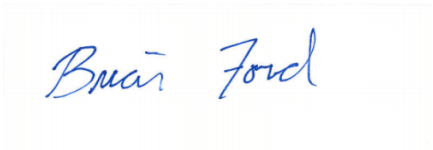
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352853	1	09/27/19 15:23	09/27/19 15:31	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354025	1	09/20/19 13:35	09/29/19 04:19	ACG	Mt. Juliet, TN

MW-301-30 L1141922-07 Solid

Collected by: R. McLaughlin | Collected date/time: 09/20/19 13:37 | Received date/time: 09/21/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1352853	1	09/27/19 15:23	09/27/19 15:31	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1354025	1.19	09/20/19 13:37	09/29/19 04:40	ACG	Mt. Juliet, TN

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



Brian Ford
Project Manager

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	09/28/2019 21:59	WG1353837
Acrylonitrile	U		0.873	5.00	1	09/28/2019 21:59	WG1353837
Benzene	U		0.0896	0.500	1	09/28/2019 21:59	WG1353837
Bromobenzene	U		0.133	0.500	1	09/28/2019 21:59	WG1353837
Bromodichloromethane	U		0.0800	0.500	1	09/28/2019 21:59	WG1353837
Bromochloromethane	U		0.145	0.500	1	09/28/2019 21:59	WG1353837
Bromoform	U		0.186	0.500	1	09/28/2019 21:59	WG1353837
Bromomethane	U		0.157	2.50	1	09/28/2019 21:59	WG1353837
n-Butylbenzene	U		0.143	0.500	1	09/28/2019 21:59	WG1353837
sec-Butylbenzene	U		0.134	0.500	1	09/28/2019 21:59	WG1353837
tert-Butylbenzene	U		0.183	0.500	1	09/28/2019 21:59	WG1353837
Carbon disulfide	U		0.101	0.500	1	09/28/2019 21:59	WG1353837
Carbon tetrachloride	U		0.159	0.500	1	09/28/2019 21:59	WG1353837
Chlorobenzene	U		0.140	0.500	1	09/28/2019 21:59	WG1353837
Chlorodibromomethane	U		0.128	0.500	1	09/28/2019 21:59	WG1353837
Chloroethane	U		0.141	2.50	1	09/28/2019 21:59	WG1353837
Chloroform	U		0.0860	0.500	1	09/28/2019 21:59	WG1353837
Chloromethane	U		0.153	1.25	1	09/28/2019 21:59	WG1353837
2-Chlorotoluene	U		0.111	0.500	1	09/28/2019 21:59	WG1353837
4-Chlorotoluene	U		0.0972	0.500	1	09/28/2019 21:59	WG1353837
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/28/2019 21:59	WG1353837
1,2-Dibromoethane	U		0.193	0.500	1	09/28/2019 21:59	WG1353837
Dibromomethane	U		0.117	0.500	1	09/28/2019 21:59	WG1353837
1,2-Dichlorobenzene	U		0.101	0.500	1	09/28/2019 21:59	WG1353837
1,3-Dichlorobenzene	U		0.130	0.500	1	09/28/2019 21:59	WG1353837
1,4-Dichlorobenzene	U		0.121	0.500	1	09/28/2019 21:59	WG1353837
Dichlorodifluoromethane	U		0.127	2.50	1	09/28/2019 21:59	WG1353837
1,1-Dichloroethane	U		0.114	0.500	1	09/28/2019 21:59	WG1353837
1,2-Dichloroethane	U		0.108	0.500	1	09/28/2019 21:59	WG1353837
1,1-Dichloroethene	U		0.188	0.500	1	09/28/2019 21:59	WG1353837
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/28/2019 21:59	WG1353837
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/28/2019 21:59	WG1353837
1,2-Dichloropropane	U		0.190	0.500	1	09/28/2019 21:59	WG1353837
1,1-Dichloropropene	U		0.128	0.500	1	09/28/2019 21:59	WG1353837
1,3-Dichloropropane	U		0.147	1.00	1	09/28/2019 21:59	WG1353837
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/28/2019 21:59	WG1353837
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/28/2019 21:59	WG1353837
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	10/01/2019 14:00	WG1354826
2,2-Dichloropropane	U		0.0929	0.500	1	09/28/2019 21:59	WG1353837
Di-isopropyl ether	U		0.0924	0.500	1	09/28/2019 21:59	WG1353837
Ethylbenzene	U		0.158	0.500	1	09/28/2019 21:59	WG1353837
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/28/2019 21:59	WG1353837
2-Hexanone	U		0.757	5.00	1	09/28/2019 21:59	WG1353837
n-Hexane	U		0.305	5.00	1	09/28/2019 21:59	WG1353837
Iodomethane	U		0.377	10.0	1	09/28/2019 21:59	WG1353837
Isopropylbenzene	U		0.126	0.500	1	09/28/2019 21:59	WG1353837
p-Isopropyltoluene	U		0.138	0.500	1	09/28/2019 21:59	WG1353837
2-Butanone (MEK)	U		1.28	5.00	1	09/28/2019 21:59	WG1353837
Methylene Chloride	U		1.07	2.50	1	09/28/2019 21:59	WG1353837
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/28/2019 21:59	WG1353837
Methyl tert-butyl ether	U		0.102	0.500	1	09/28/2019 21:59	WG1353837
Naphthalene	U		0.174	2.50	1	09/28/2019 21:59	WG1353837
n-Propylbenzene	U		0.162	0.500	1	09/28/2019 21:59	WG1353837
Styrene	U		0.117	0.500	1	09/28/2019 21:59	WG1353837
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/28/2019 21:59	WG1353837
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/28/2019 21:59	WG1353837

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/28/2019 21:59	WG1353837
Tetrachloroethene	U		0.199	0.500	1	09/28/2019 21:59	WG1353837
Toluene	U		0.412	0.500	1	09/28/2019 21:59	WG1353837
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/28/2019 21:59	WG1353837
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/28/2019 21:59	WG1353837
1,1,1-Trichloroethane	0.311	B J	0.0940	0.500	1	09/28/2019 21:59	WG1353837
1,1,2-Trichloroethane	U		0.186	0.500	1	09/28/2019 21:59	WG1353837
Trichloroethene	U		0.153	0.500	1	09/28/2019 21:59	WG1353837
Trichlorofluoromethane	U		0.130	2.50	1	09/28/2019 21:59	WG1353837
1,2,3-Trichloropropane	U		0.247	2.50	1	09/28/2019 21:59	WG1353837
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/28/2019 21:59	WG1353837
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/28/2019 21:59	WG1353837
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/28/2019 21:59	WG1353837
Vinyl acetate	U		0.645	5.00	1	09/28/2019 21:59	WG1353837
Vinyl chloride	U		0.118	0.500	1	09/28/2019 21:59	WG1353837
Xylenes, Total	U		0.316	1.50	1	09/28/2019 21:59	WG1353837
(S) Toluene-d8	*98.7*			*80.0-120*		*09/28/2019 21:59*	WG1353837
(S) Toluene-d8	*98.4*			*80.0-120*		*10/01/2019 14:00*	WG1354826
(S) 4-Bromofluorobenzene	*93.8*			*77.0-126*		*09/28/2019 21:59*	WG1353837
(S) 4-Bromofluorobenzene	*99.0*			*77.0-126*		*10/01/2019 14:00*	WG1354826
(S) 1,2-Dichloroethane-d4	*96.5*			*70.0-130*		*09/28/2019 21:59*	WG1353837
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*10/01/2019 14:00*	WG1354826

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.3		1	09/27/2019 15:31	WG1352853

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0409	B	0.0161	0.0293	1	09/29/2019 02:53	WG1354025
Acrylonitrile	U		0.00223	0.0146	1	09/29/2019 02:53	WG1354025
Benzene	U		0.000469	0.00117	1	09/29/2019 02:53	WG1354025
Bromobenzene	U		0.00123	0.0146	1	09/29/2019 02:53	WG1354025
Bromodichloromethane	U		0.000923	0.00293	1	09/29/2019 02:53	WG1354025
Bromochloromethane	U		0.00132	0.00586	1	09/29/2019 02:53	WG1354025
Bromoform	U		0.00701	0.0293	1	09/29/2019 02:53	WG1354025
Bromomethane	U		0.00434	0.0146	1	09/29/2019 02:53	WG1354025
n-Butylbenzene	U		0.00450	0.0146	1	09/29/2019 02:53	WG1354025
sec-Butylbenzene	U		0.00296	0.0146	1	09/29/2019 02:53	WG1354025
tert-Butylbenzene	U		0.00182	0.00586	1	09/29/2019 02:53	WG1354025
Carbon disulfide	U		0.00476	0.0146	1	09/29/2019 02:53	WG1354025
Carbon tetrachloride	U		0.00127	0.00586	1	09/29/2019 02:53	WG1354025
Chlorobenzene	U		0.000671	0.00293	1	09/29/2019 02:53	WG1354025
Chlorodibromomethane	U		0.000527	0.00293	1	09/29/2019 02:53	WG1354025
Chloroethane	U		0.00127	0.00586	1	09/29/2019 02:53	WG1354025
Chloroform	0.000796	B J	0.000486	0.00293	1	09/29/2019 02:53	WG1354025
Chloromethane	U		0.00163	0.0146	1	09/29/2019 02:53	WG1354025
2-Chlorotoluene	U		0.00108	0.00293	1	09/29/2019 02:53	WG1354025
4-Chlorotoluene	U		0.00132	0.00586	1	09/29/2019 02:53	WG1354025
1,2-Dibromo-3-Chloropropane	U		0.00598	0.0293	1	09/29/2019 02:53	WG1354025
1,2-Dibromoethane	U		0.000615	0.00293	1	09/29/2019 02:53	WG1354025
Dibromomethane	U		0.00117	0.00586	1	09/29/2019 02:53	WG1354025
1,2-Dichlorobenzene	U		0.00170	0.00586	1	09/29/2019 02:53	WG1354025
1,3-Dichlorobenzene	U		0.00199	0.00586	1	09/29/2019 02:53	WG1354025
1,4-Dichlorobenzene	U		0.00231	0.00586	1	09/29/2019 02:53	WG1354025
Dichlorodifluoromethane	U		0.000959	0.00293	1	09/29/2019 02:53	WG1354025
1,1-Dichloroethane	U		0.000674	0.00293	1	09/29/2019 02:53	WG1354025
1,2-Dichloroethane	U		0.000557	0.00293	1	09/29/2019 02:53	WG1354025
1,1-Dichloroethene	U		0.000586	0.00293	1	09/29/2019 02:53	WG1354025
cis-1,2-Dichloroethene	U		0.000809	0.00293	1	09/29/2019 02:53	WG1354025
trans-1,2-Dichloroethene	U		0.00168	0.00586	1	09/29/2019 02:53	WG1354025
1,2-Dichloropropane	U		0.00149	0.00586	1	09/29/2019 02:53	WG1354025
1,1-Dichloropropene	U		0.000820	0.00293	1	09/29/2019 02:53	WG1354025
1,3-Dichloropropane	U		0.00205	0.00586	1	09/29/2019 02:53	WG1354025
cis-1,3-Dichloropropene	U		0.000794	0.00293	1	09/29/2019 02:53	WG1354025
trans-1,3-Dichloropropene	U		0.00179	0.00586	1	09/29/2019 02:53	WG1354025
trans-1,4-Dichloro-2-butene	U		0.00164	0.00586	1	09/29/2019 02:53	WG1354025
2,2-Dichloropropane	U		0.000929	0.00293	1	09/29/2019 02:53	WG1354025
Di-isopropyl ether	U		0.000410	0.00117	1	09/29/2019 02:53	WG1354025
Ethylbenzene	0.000628	J	0.000621	0.00293	1	09/29/2019 02:53	WG1354025
Hexachloro-1,3-butadiene	U		0.0149	0.0293	1	09/29/2019 02:53	WG1354025
2-Hexanone	U		0.0117	0.0293	1	09/29/2019 02:53	WG1354025
n-Hexane	U		0.00124	0.00586	1	09/29/2019 02:53	WG1354025
Iodomethane	U		0.00709	0.0146	1	09/29/2019 02:53	WG1354025
Isopropylbenzene	U		0.00101	0.00293	1	09/29/2019 02:53	WG1354025
p-Isopropyltoluene	U		0.00273	0.00586	1	09/29/2019 02:53	WG1354025
2-Butanone (MEK)	0.0224	B J	0.0146	0.0293	1	09/29/2019 02:53	WG1354025
Methylene Chloride	U		0.00778	0.0293	1	09/29/2019 02:53	WG1354025
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0293	1	09/29/2019 02:53	WG1354025

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000346	0.00117	1	09/29/2019 02:53	WG1354025
Naphthalene	U		0.00366	0.0146	1	09/29/2019 02:53	WG1354025
n-Propylbenzene	U		0.00138	0.00586	1	09/29/2019 02:53	WG1354025
Styrene	U		0.00320	0.0146	1	09/29/2019 02:53	WG1354025
1,1,1,2-Tetrachloroethane	U		0.000586	0.00293	1	09/29/2019 02:53	WG1354025
1,1,2,2-Tetrachloroethane	U		0.000457	0.00293	1	09/29/2019 02:53	WG1354025
1,1,2-Trichlorotrifluoroethane	U		0.000791	0.00293	1	09/29/2019 02:53	WG1354025
Tetrachloroethene	0.00260	J JO	0.000820	0.00293	1	09/29/2019 02:53	WG1354025
Toluene	0.0191		0.00146	0.00586	1	09/29/2019 02:53	WG1354025
1,2,3-Trichlorobenzene	U		0.000732	0.00293	1	09/29/2019 02:53	WG1354025
1,2,4-Trichlorobenzene	U		0.00565	0.0146	1	09/29/2019 02:53	WG1354025
1,1,1-Trichloroethane	U		0.000322	0.00293	1	09/29/2019 02:53	WG1354025
1,1,2-Trichloroethane	U		0.00103	0.00293	1	09/29/2019 02:53	WG1354025
Trichloroethene	U		0.000469	0.00117	1	09/29/2019 02:53	WG1354025
Trichlorofluoromethane	U		0.000586	0.00293	1	09/29/2019 02:53	WG1354025
1,2,3-Trichloropropane	U		0.00598	0.0146	1	09/29/2019 02:53	WG1354025
1,2,4-Trimethylbenzene	0.00137	J	0.00136	0.00586	1	09/29/2019 02:53	WG1354025
1,2,3-Trimethylbenzene	U		0.00135	0.00586	1	09/29/2019 02:53	WG1354025
1,3,5-Trimethylbenzene	U		0.00127	0.00586	1	09/29/2019 02:53	WG1354025
Vinyl acetate	U		0.00412	0.0146	1	09/29/2019 02:53	WG1354025
Vinyl chloride	U		0.000800	0.00293	1	09/29/2019 02:53	WG1354025
Xylenes, Total	U		0.00560	0.00762	1	09/29/2019 02:53	WG1354025
(S) Toluene-d8	*106*			*75.0-131*		*09/29/2019 02:53*	WG1354025
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*09/29/2019 02:53*	WG1354025
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*		*09/29/2019 02:53*	WG1354025

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.9		1	09/27/2019 15:31	WG1352853

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0380	B	0.0151	0.0275	1	09/29/2019 03:15	WG1354025
Acrylonitrile	U		0.00209	0.0137	1	09/29/2019 03:15	WG1354025
Benzene	U		0.000440	0.00110	1	09/29/2019 03:15	WG1354025
Bromobenzene	U		0.00115	0.0137	1	09/29/2019 03:15	WG1354025
Bromodichloromethane	U		0.000866	0.00275	1	09/29/2019 03:15	WG1354025
Bromochloromethane	U		0.00124	0.00550	1	09/29/2019 03:15	WG1354025
Bromoform	U		0.00658	0.0275	1	09/29/2019 03:15	WG1354025
Bromomethane	U		0.00407	0.0137	1	09/29/2019 03:15	WG1354025
n-Butylbenzene	U		0.00422	0.0137	1	09/29/2019 03:15	WG1354025
sec-Butylbenzene	U		0.00278	0.0137	1	09/29/2019 03:15	WG1354025
tert-Butylbenzene	U		0.00170	0.00550	1	09/29/2019 03:15	WG1354025
Carbon disulfide	U		0.00446	0.0137	1	09/29/2019 03:15	WG1354025
Carbon tetrachloride	U		0.00119	0.00550	1	09/29/2019 03:15	WG1354025
Chlorobenzene	U		0.000630	0.00275	1	09/29/2019 03:15	WG1354025
Chlorodibromomethane	U		0.000495	0.00275	1	09/29/2019 03:15	WG1354025
Chloroethane	U		0.00119	0.00550	1	09/29/2019 03:15	WG1354025
Chloroform	0.000762	B J	0.000456	0.00275	1	09/29/2019 03:15	WG1354025
Chloromethane	U		0.00153	0.0137	1	09/29/2019 03:15	WG1354025
2-Chlorotoluene	U		0.00101	0.00275	1	09/29/2019 03:15	WG1354025
4-Chlorotoluene	U		0.00124	0.00550	1	09/29/2019 03:15	WG1354025
1,2-Dibromo-3-Chloropropane	U		0.00561	0.0275	1	09/29/2019 03:15	WG1354025
1,2-Dibromoethane	U		0.000577	0.00275	1	09/29/2019 03:15	WG1354025
Dibromomethane	U		0.00110	0.00550	1	09/29/2019 03:15	WG1354025
1,2-Dichlorobenzene	U		0.00159	0.00550	1	09/29/2019 03:15	WG1354025
1,3-Dichlorobenzene	U		0.00187	0.00550	1	09/29/2019 03:15	WG1354025
1,4-Dichlorobenzene	U		0.00217	0.00550	1	09/29/2019 03:15	WG1354025
Dichlorodifluoromethane	U		0.000899	0.00275	1	09/29/2019 03:15	WG1354025
1,1-Dichloroethane	U		0.000632	0.00275	1	09/29/2019 03:15	WG1354025
1,2-Dichloroethane	U		0.000522	0.00275	1	09/29/2019 03:15	WG1354025
1,1-Dichloroethene	U		0.000550	0.00275	1	09/29/2019 03:15	WG1354025
cis-1,2-Dichloroethene	U		0.000759	0.00275	1	09/29/2019 03:15	WG1354025
trans-1,2-Dichloroethene	U		0.00157	0.00550	1	09/29/2019 03:15	WG1354025
1,2-Dichloropropane	U		0.00140	0.00550	1	09/29/2019 03:15	WG1354025
1,1-Dichloropropene	U		0.000770	0.00275	1	09/29/2019 03:15	WG1354025
1,3-Dichloropropane	U		0.00192	0.00550	1	09/29/2019 03:15	WG1354025
cis-1,3-Dichloropropene	U		0.000745	0.00275	1	09/29/2019 03:15	WG1354025
trans-1,3-Dichloropropene	U		0.00168	0.00550	1	09/29/2019 03:15	WG1354025
trans-1,4-Dichloro-2-butene	U		0.00154	0.00550	1	09/29/2019 03:15	WG1354025
2,2-Dichloropropane	U		0.000872	0.00275	1	09/29/2019 03:15	WG1354025
Di-isopropyl ether	U		0.000385	0.00110	1	09/29/2019 03:15	WG1354025
Ethylbenzene	U		0.000583	0.00275	1	09/29/2019 03:15	WG1354025
Hexachloro-1,3-butadiene	U		0.0140	0.0275	1	09/29/2019 03:15	WG1354025
2-Hexanone	U		0.0110	0.0275	1	09/29/2019 03:15	WG1354025
n-Hexane	U		0.00117	0.00550	1	09/29/2019 03:15	WG1354025
Iodomethane	U		0.00665	0.0137	1	09/29/2019 03:15	WG1354025
Isopropylbenzene	U		0.000949	0.00275	1	09/29/2019 03:15	WG1354025
p-Isopropyltoluene	U		0.00256	0.00550	1	09/29/2019 03:15	WG1354025
2-Butanone (MEK)	0.0226	B J	0.0137	0.0275	1	09/29/2019 03:15	WG1354025
Methylene Chloride	0.00866	J	0.00730	0.0275	1	09/29/2019 03:15	WG1354025
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0275	1	09/29/2019 03:15	WG1354025

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000324	0.00110	1	09/29/2019 03:15	WG1354025
Naphthalene	U		0.00343	0.0137	1	09/29/2019 03:15	WG1354025
n-Propylbenzene	U		0.00130	0.00550	1	09/29/2019 03:15	WG1354025
Styrene	U		0.00300	0.0137	1	09/29/2019 03:15	WG1354025
1,1,1,2-Tetrachloroethane	U		0.000550	0.00275	1	09/29/2019 03:15	WG1354025
1,1,2,2-Tetrachloroethane	U		0.000429	0.00275	1	09/29/2019 03:15	WG1354025
1,1,2-Trichlorotrifluoroethane	U		0.000742	0.00275	1	09/29/2019 03:15	WG1354025
Tetrachloroethene	0.00463	J0	0.000770	0.00275	1	09/29/2019 03:15	WG1354025
Toluene	0.00321	J	0.00137	0.00550	1	09/29/2019 03:15	WG1354025
1,2,3-Trichlorobenzene	U		0.000687	0.00275	1	09/29/2019 03:15	WG1354025
1,2,4-Trichlorobenzene	U		0.00530	0.0137	1	09/29/2019 03:15	WG1354025
1,1,1-Trichloroethane	U		0.000302	0.00275	1	09/29/2019 03:15	WG1354025
1,1,2-Trichloroethane	U		0.000971	0.00275	1	09/29/2019 03:15	WG1354025
Trichloroethene	U		0.000440	0.00110	1	09/29/2019 03:15	WG1354025
Trichlorofluoromethane	U		0.000550	0.00275	1	09/29/2019 03:15	WG1354025
1,2,3-Trichloropropane	U		0.00561	0.0137	1	09/29/2019 03:15	WG1354025
1,2,4-Trimethylbenzene	U		0.00128	0.00550	1	09/29/2019 03:15	WG1354025
1,2,3-Trimethylbenzene	U		0.00126	0.00550	1	09/29/2019 03:15	WG1354025
1,3,5-Trimethylbenzene	U		0.00119	0.00550	1	09/29/2019 03:15	WG1354025
Vinyl acetate	U		0.00387	0.0137	1	09/29/2019 03:15	WG1354025
Vinyl chloride	U		0.000751	0.00275	1	09/29/2019 03:15	WG1354025
Xylenes, Total	U		0.00526	0.00715	1	09/29/2019 03:15	WG1354025
(S) Toluene-d8	*107*			*75.0-131*		*09/29/2019 03:15*	WG1354025
(S) 4-Bromofluorobenzene	*97.9*			*67.0-138*		*09/29/2019 03:15*	WG1354025
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*09/29/2019 03:15*	WG1354025

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	09/27/2019 15:31	WG1352853

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0512	B	0.0156	0.0284	1	09/29/2019 03:36	WG1354025
Acrylonitrile	U		0.00216	0.0142	1	09/29/2019 03:36	WG1354025
Benzene	U		0.000454	0.00114	1	09/29/2019 03:36	WG1354025
Bromobenzene	U		0.00119	0.0142	1	09/29/2019 03:36	WG1354025
Bromodichloromethane	U		0.000895	0.00284	1	09/29/2019 03:36	WG1354025
Bromochloromethane	U		0.00128	0.00568	1	09/29/2019 03:36	WG1354025
Bromoform	U		0.00679	0.0284	1	09/29/2019 03:36	WG1354025
Bromomethane	U		0.00420	0.0142	1	09/29/2019 03:36	WG1354025
n-Butylbenzene	U		0.00436	0.0142	1	09/29/2019 03:36	WG1354025
sec-Butylbenzene	U		0.00287	0.0142	1	09/29/2019 03:36	WG1354025
tert-Butylbenzene	U		0.00176	0.00568	1	09/29/2019 03:36	WG1354025
Carbon disulfide	U		0.00461	0.0142	1	09/29/2019 03:36	WG1354025
Carbon tetrachloride	U		0.00123	0.00568	1	09/29/2019 03:36	WG1354025
Chlorobenzene	U		0.000650	0.00284	1	09/29/2019 03:36	WG1354025
Chlorodibromomethane	U		0.000511	0.00284	1	09/29/2019 03:36	WG1354025
Chloroethane	U		0.00123	0.00568	1	09/29/2019 03:36	WG1354025
Chloroform	0.000848	B J	0.000471	0.00284	1	09/29/2019 03:36	WG1354025
Chloromethane	U		0.00158	0.0142	1	09/29/2019 03:36	WG1354025
2-Chlorotoluene	U		0.00104	0.00284	1	09/29/2019 03:36	WG1354025
4-Chlorotoluene	U		0.00128	0.00568	1	09/29/2019 03:36	WG1354025
1,2-Dibromo-3-Chloropropane	U		0.00579	0.0284	1	09/29/2019 03:36	WG1354025
1,2-Dibromoethane	U		0.000596	0.00284	1	09/29/2019 03:36	WG1354025
Dibromomethane	U		0.00114	0.00568	1	09/29/2019 03:36	WG1354025
1,2-Dichlorobenzene	U		0.00165	0.00568	1	09/29/2019 03:36	WG1354025
1,3-Dichlorobenzene	U		0.00193	0.00568	1	09/29/2019 03:36	WG1354025
1,4-Dichlorobenzene	U		0.00224	0.00568	1	09/29/2019 03:36	WG1354025
Dichlorodifluoromethane	U		0.000929	0.00284	1	09/29/2019 03:36	WG1354025
1,1-Dichloroethane	U		0.000653	0.00284	1	09/29/2019 03:36	WG1354025
1,2-Dichloroethane	U		0.000539	0.00284	1	09/29/2019 03:36	WG1354025
1,1-Dichloroethene	U		0.000568	0.00284	1	09/29/2019 03:36	WG1354025
cis-1,2-Dichloroethene	U		0.000783	0.00284	1	09/29/2019 03:36	WG1354025
trans-1,2-Dichloroethene	U		0.00162	0.00568	1	09/29/2019 03:36	WG1354025
1,2-Dichloropropane	U		0.00144	0.00568	1	09/29/2019 03:36	WG1354025
1,1-Dichloropropene	U		0.000795	0.00284	1	09/29/2019 03:36	WG1354025
1,3-Dichloropropane	U		0.00199	0.00568	1	09/29/2019 03:36	WG1354025
cis-1,3-Dichloropropene	U		0.000770	0.00284	1	09/29/2019 03:36	WG1354025
trans-1,3-Dichloropropene	U		0.00174	0.00568	1	09/29/2019 03:36	WG1354025
trans-1,4-Dichloro-2-butene	U		0.00159	0.00568	1	09/29/2019 03:36	WG1354025
2,2-Dichloropropane	U		0.000900	0.00284	1	09/29/2019 03:36	WG1354025
Di-isopropyl ether	U		0.000397	0.00114	1	09/29/2019 03:36	WG1354025
Ethylbenzene	U		0.000602	0.00284	1	09/29/2019 03:36	WG1354025
Hexachloro-1,3-butadiene	U		0.0144	0.0284	1	09/29/2019 03:36	WG1354025
2-Hexanone	U		0.0114	0.0284	1	09/29/2019 03:36	WG1354025
n-Hexane	U		0.00120	0.00568	1	09/29/2019 03:36	WG1354025
Iodomethane	U		0.00687	0.0142	1	09/29/2019 03:36	WG1354025
Isopropylbenzene	U		0.000980	0.00284	1	09/29/2019 03:36	WG1354025
p-Isopropyltoluene	U		0.00265	0.00568	1	09/29/2019 03:36	WG1354025
2-Butanone (MEK)	0.0300	B	0.0142	0.0284	1	09/29/2019 03:36	WG1354025
Methylene Chloride	0.00859	J	0.00754	0.0284	1	09/29/2019 03:36	WG1354025
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0284	1	09/29/2019 03:36	WG1354025

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000335	0.00114	1	09/29/2019 03:36	WG1354025
Naphthalene	U		0.00354	0.0142	1	09/29/2019 03:36	WG1354025
n-Propylbenzene	U		0.00134	0.00568	1	09/29/2019 03:36	WG1354025
Styrene	U		0.00310	0.0142	1	09/29/2019 03:36	WG1354025
1,1,1,2-Tetrachloroethane	U		0.000568	0.00284	1	09/29/2019 03:36	WG1354025
1,1,2,2-Tetrachloroethane	U		0.000443	0.00284	1	09/29/2019 03:36	WG1354025
1,1,2-Trichlorotrifluoroethane	U		0.000766	0.00284	1	09/29/2019 03:36	WG1354025
Tetrachloroethene	0.00396	J0	0.000795	0.00284	1	09/29/2019 03:36	WG1354025
Toluene	0.0258		0.00142	0.00568	1	09/29/2019 03:36	WG1354025
1,2,3-Trichlorobenzene	U		0.000710	0.00284	1	09/29/2019 03:36	WG1354025
1,2,4-Trichlorobenzene	U		0.00547	0.0142	1	09/29/2019 03:36	WG1354025
1,1,1-Trichloroethane	U		0.000312	0.00284	1	09/29/2019 03:36	WG1354025
1,1,2-Trichloroethane	U		0.00100	0.00284	1	09/29/2019 03:36	WG1354025
Trichloroethene	U		0.000454	0.00114	1	09/29/2019 03:36	WG1354025
Trichlorofluoromethane	U		0.000568	0.00284	1	09/29/2019 03:36	WG1354025
1,2,3-Trichloropropane	U		0.00579	0.0142	1	09/29/2019 03:36	WG1354025
1,2,4-Trimethylbenzene	U		0.00132	0.00568	1	09/29/2019 03:36	WG1354025
1,2,3-Trimethylbenzene	U		0.00131	0.00568	1	09/29/2019 03:36	WG1354025
1,3,5-Trimethylbenzene	U		0.00123	0.00568	1	09/29/2019 03:36	WG1354025
Vinyl acetate	U		0.00400	0.0142	1	09/29/2019 03:36	WG1354025
Vinyl chloride	U		0.000775	0.00284	1	09/29/2019 03:36	WG1354025
Xylenes, Total	U		0.00543	0.00738	1	09/29/2019 03:36	WG1354025
(S) Toluene-d8	*105*			*75.0-131*		*09/29/2019 03:36*	WG1354025
(S) 4-Bromofluorobenzene	*95.8*			*67.0-138*		*09/29/2019 03:36*	WG1354025
(S) 1,2-Dichloroethane-d4	*96.6*			*70.0-130*		*09/29/2019 03:36*	WG1354025

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	09/27/2019 15:31	WG1352853

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.118	B	0.0462	0.0844	2.82	09/29/2019 03:58	WG1354025
Acrylonitrile	U		0.00642	0.0422	2.82	09/29/2019 03:58	WG1354025
Benzene	U		0.00135	0.00338	2.82	09/29/2019 03:58	WG1354025
Bromobenzene	U		0.00355	0.0422	2.82	09/29/2019 03:58	WG1354025
Bromodichloromethane	U		0.00266	0.00844	2.82	09/29/2019 03:58	WG1354025
Bromochloromethane	U		0.00382	0.0169	2.82	09/29/2019 03:58	WG1354025
Bromoform	U		0.0202	0.0844	2.82	09/29/2019 03:58	WG1354025
Bromomethane	U		0.0125	0.0422	2.82	09/29/2019 03:58	WG1354025
n-Butylbenzene	U		0.0129	0.0422	2.82	09/29/2019 03:58	WG1354025
sec-Butylbenzene	U		0.00854	0.0422	2.82	09/29/2019 03:58	WG1354025
tert-Butylbenzene	U		0.00523	0.0169	2.82	09/29/2019 03:58	WG1354025
Carbon disulfide	U		0.0137	0.0422	2.82	09/29/2019 03:58	WG1354025
Carbon tetrachloride	U		0.00364	0.0169	2.82	09/29/2019 03:58	WG1354025
Chlorobenzene	U		0.00194	0.00844	2.82	09/29/2019 03:58	WG1354025
Chlorodibromomethane	U		0.00152	0.00844	2.82	09/29/2019 03:58	WG1354025
Chloroethane	U		0.00364	0.0169	2.82	09/29/2019 03:58	WG1354025
Chloroform	0.00226	B J	0.00140	0.00844	2.82	09/29/2019 03:58	WG1354025
Chloromethane	U		0.00470	0.0422	2.82	09/29/2019 03:58	WG1354025
2-Chlorotoluene	U		0.00310	0.00844	2.82	09/29/2019 03:58	WG1354025
4-Chlorotoluene	U		0.00382	0.0169	2.82	09/29/2019 03:58	WG1354025
1,2-Dibromo-3-Chloropropane	U		0.0172	0.0844	2.82	09/29/2019 03:58	WG1354025
1,2-Dibromoethane	U		0.00177	0.00844	2.82	09/29/2019 03:58	WG1354025
Dibromomethane	U		0.00338	0.0169	2.82	09/29/2019 03:58	WG1354025
1,2-Dichlorobenzene	U		0.00490	0.0169	2.82	09/29/2019 03:58	WG1354025
1,3-Dichlorobenzene	U		0.00574	0.0169	2.82	09/29/2019 03:58	WG1354025
1,4-Dichlorobenzene	U		0.00666	0.0169	2.82	09/29/2019 03:58	WG1354025
Dichlorodifluoromethane	U		0.00277	0.00844	2.82	09/29/2019 03:58	WG1354025
1,1-Dichloroethane	U		0.00194	0.00844	2.82	09/29/2019 03:58	WG1354025
1,2-Dichloroethane	U		0.00161	0.00844	2.82	09/29/2019 03:58	WG1354025
1,1-Dichloroethene	U		0.00169	0.00844	2.82	09/29/2019 03:58	WG1354025
cis-1,2-Dichloroethene	U		0.00232	0.00844	2.82	09/29/2019 03:58	WG1354025
trans-1,2-Dichloroethene	U		0.00483	0.0169	2.82	09/29/2019 03:58	WG1354025
1,2-Dichloropropane	U		0.00429	0.0169	2.82	09/29/2019 03:58	WG1354025
1,1-Dichloropropene	U		0.00236	0.00844	2.82	09/29/2019 03:58	WG1354025
1,3-Dichloropropane	U		0.00592	0.0169	2.82	09/29/2019 03:58	WG1354025
cis-1,3-Dichloropropene	U		0.00229	0.00844	2.82	09/29/2019 03:58	WG1354025
trans-1,3-Dichloropropene	U		0.00516	0.0169	2.82	09/29/2019 03:58	WG1354025
trans-1,4-Dichloro-2-butene	U		0.00473	0.0169	2.82	09/29/2019 03:58	WG1354025
2,2-Dichloropropane	U		0.00268	0.00844	2.82	09/29/2019 03:58	WG1354025
Di-isopropyl ether	U		0.00118	0.00338	2.82	09/29/2019 03:58	WG1354025
Ethylbenzene	U		0.00178	0.00844	2.82	09/29/2019 03:58	WG1354025
Hexachloro-1,3-butadiene	U		0.0429	0.0844	2.82	09/29/2019 03:58	WG1354025
2-Hexanone	U		0.0338	0.0844	2.82	09/29/2019 03:58	WG1354025
n-Hexane	U		0.00358	0.0169	2.82	09/29/2019 03:58	WG1354025
Iodomethane	U		0.0205	0.0422	2.82	09/29/2019 03:58	WG1354025
Isopropylbenzene	U		0.00291	0.00844	2.82	09/29/2019 03:58	WG1354025
p-Isopropyltoluene	U		0.00787	0.0169	2.82	09/29/2019 03:58	WG1354025
2-Butanone (MEK)	0.0453	B J	0.0422	0.0844	2.82	09/29/2019 03:58	WG1354025
Methylene Chloride	0.0297	J	0.0224	0.0844	2.82	09/29/2019 03:58	WG1354025
4-Methyl-2-pentanone (MIBK)	U		0.0338	0.0844	2.82	09/29/2019 03:58	WG1354025

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000997	0.00338	2.82	09/29/2019 03:58	WG1354025
Naphthalene	U		0.0105	0.0422	2.82	09/29/2019 03:58	WG1354025
n-Propylbenzene	U		0.00399	0.0169	2.82	09/29/2019 03:58	WG1354025
Styrene	U		0.00922	0.0422	2.82	09/29/2019 03:58	WG1354025
1,1,1,2-Tetrachloroethane	U		0.00169	0.00844	2.82	09/29/2019 03:58	WG1354025
1,1,2,2-Tetrachloroethane	U		0.00132	0.00844	2.82	09/29/2019 03:58	WG1354025
1,1,2-Trichlorotrifluoroethane	U		0.00228	0.00844	2.82	09/29/2019 03:58	WG1354025
Tetrachloroethene	0.00927	J0	0.00236	0.00844	2.82	09/29/2019 03:58	WG1354025
Toluene	0.0402		0.00422	0.0169	2.82	09/29/2019 03:58	WG1354025
1,2,3-Trichlorobenzene	U		0.00211	0.00844	2.82	09/29/2019 03:58	WG1354025
1,2,4-Trichlorobenzene	U		0.0163	0.0422	2.82	09/29/2019 03:58	WG1354025
1,1,1-Trichloroethane	U		0.000929	0.00844	2.82	09/29/2019 03:58	WG1354025
1,1,2-Trichloroethane	U		0.00298	0.00844	2.82	09/29/2019 03:58	WG1354025
Trichloroethene	U		0.00135	0.00338	2.82	09/29/2019 03:58	WG1354025
Trichlorofluoromethane	U		0.00169	0.00844	2.82	09/29/2019 03:58	WG1354025
1,2,3-Trichloropropane	U		0.0172	0.0422	2.82	09/29/2019 03:58	WG1354025
1,2,4-Trimethylbenzene	U		0.00392	0.0169	2.82	09/29/2019 03:58	WG1354025
1,2,3-Trimethylbenzene	U		0.00388	0.0169	2.82	09/29/2019 03:58	WG1354025
1,3,5-Trimethylbenzene	U		0.00364	0.0169	2.82	09/29/2019 03:58	WG1354025
Vinyl acetate	U		0.0119	0.0422	2.82	09/29/2019 03:58	WG1354025
Vinyl chloride	U		0.00231	0.00844	2.82	09/29/2019 03:58	WG1354025
Xylenes, Total	U		0.0162	0.0220	2.82	09/29/2019 03:58	WG1354025
(S) Toluene-d8	*105*			*75.0-131*		*09/29/2019 03:58*	WG1354025
(S) 4-Bromofluorobenzene	*97.1*			*67.0-138*		*09/29/2019 03:58*	WG1354025
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*09/29/2019 03:58*	WG1354025

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.0		1	09/27/2019 15:31	WG1352853

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0408	B	0.0156	0.0284	1	09/29/2019 04:19	WG1354025
Acrylonitrile	U		0.00216	0.0142	1	09/29/2019 04:19	WG1354025
Benzene	U		0.000455	0.00114	1	09/29/2019 04:19	WG1354025
Bromobenzene	U		0.00119	0.0142	1	09/29/2019 04:19	WG1354025
Bromodichloromethane	U		0.000896	0.00284	1	09/29/2019 04:19	WG1354025
Bromochloromethane	U		0.00128	0.00568	1	09/29/2019 04:19	WG1354025
Bromoform	U		0.00680	0.0284	1	09/29/2019 04:19	WG1354025
Bromomethane	U		0.00421	0.0142	1	09/29/2019 04:19	WG1354025
n-Butylbenzene	U		0.00436	0.0142	1	09/29/2019 04:19	WG1354025
sec-Butylbenzene	U		0.00288	0.0142	1	09/29/2019 04:19	WG1354025
tert-Butylbenzene	U		0.00176	0.00568	1	09/29/2019 04:19	WG1354025
Carbon disulfide	U		0.00461	0.0142	1	09/29/2019 04:19	WG1354025
Carbon tetrachloride	U		0.00123	0.00568	1	09/29/2019 04:19	WG1354025
Chlorobenzene	U		0.000651	0.00284	1	09/29/2019 04:19	WG1354025
Chlorodibromomethane	U		0.000511	0.00284	1	09/29/2019 04:19	WG1354025
Chloroethane	U		0.00123	0.00568	1	09/29/2019 04:19	WG1354025
Chloroform	0.000822	B J	0.000472	0.00284	1	09/29/2019 04:19	WG1354025
Chloromethane	U		0.00158	0.0142	1	09/29/2019 04:19	WG1354025
2-Chlorotoluene	U		0.00105	0.00284	1	09/29/2019 04:19	WG1354025
4-Chlorotoluene	U		0.00128	0.00568	1	09/29/2019 04:19	WG1354025
1,2-Dibromo-3-Chloropropane	U		0.00580	0.0284	1	09/29/2019 04:19	WG1354025
1,2-Dibromoethane	U		0.000597	0.00284	1	09/29/2019 04:19	WG1354025
Dibromomethane	U		0.00114	0.00568	1	09/29/2019 04:19	WG1354025
1,2-Dichlorobenzene	U		0.00165	0.00568	1	09/29/2019 04:19	WG1354025
1,3-Dichlorobenzene	U		0.00193	0.00568	1	09/29/2019 04:19	WG1354025
1,4-Dichlorobenzene	U		0.00224	0.00568	1	09/29/2019 04:19	WG1354025
Dichlorodifluoromethane	U		0.000930	0.00284	1	09/29/2019 04:19	WG1354025
1,1-Dichloroethane	U		0.000654	0.00284	1	09/29/2019 04:19	WG1354025
1,2-Dichloroethane	U		0.000540	0.00284	1	09/29/2019 04:19	WG1354025
1,1-Dichloroethene	U		0.000568	0.00284	1	09/29/2019 04:19	WG1354025
cis-1,2-Dichloroethene	U		0.000784	0.00284	1	09/29/2019 04:19	WG1354025
trans-1,2-Dichloroethene	U		0.00163	0.00568	1	09/29/2019 04:19	WG1354025
1,2-Dichloropropane	U		0.00144	0.00568	1	09/29/2019 04:19	WG1354025
1,1-Dichloropropene	U		0.000796	0.00284	1	09/29/2019 04:19	WG1354025
1,3-Dichloropropane	U		0.00199	0.00568	1	09/29/2019 04:19	WG1354025
cis-1,3-Dichloropropene	U		0.000771	0.00284	1	09/29/2019 04:19	WG1354025
trans-1,3-Dichloropropene	U		0.00174	0.00568	1	09/29/2019 04:19	WG1354025
trans-1,4-Dichloro-2-butene	U		0.00159	0.00568	1	09/29/2019 04:19	WG1354025
2,2-Dichloropropane	U		0.000901	0.00284	1	09/29/2019 04:19	WG1354025
Di-isopropyl ether	U		0.000398	0.00114	1	09/29/2019 04:19	WG1354025
Ethylbenzene	0.00121	J	0.000602	0.00284	1	09/29/2019 04:19	WG1354025
Hexachloro-1,3-butadiene	U		0.0144	0.0284	1	09/29/2019 04:19	WG1354025
2-Hexanone	U		0.0114	0.0284	1	09/29/2019 04:19	WG1354025
n-Hexane	U		0.00120	0.00568	1	09/29/2019 04:19	WG1354025
Iodomethane	U		0.00688	0.0142	1	09/29/2019 04:19	WG1354025
Isopropylbenzene	U		0.000981	0.00284	1	09/29/2019 04:19	WG1354025
p-Isopropyltoluene	U		0.00265	0.00568	1	09/29/2019 04:19	WG1354025
2-Butanone (MEK)	0.0291	B	0.0142	0.0284	1	09/29/2019 04:19	WG1354025
Methylene Chloride	0.00891	J	0.00755	0.0284	1	09/29/2019 04:19	WG1354025
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0284	1	09/29/2019 04:19	WG1354025

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 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.000532	J	0.000335	0.00114	1	09/29/2019 04:19	WG1354025
Naphthalene	U		0.00355	0.0142	1	09/29/2019 04:19	WG1354025
n-Propylbenzene	U		0.00134	0.00568	1	09/29/2019 04:19	WG1354025
Styrene	U		0.00310	0.0142	1	09/29/2019 04:19	WG1354025
1,1,1,2-Tetrachloroethane	U		0.000568	0.00284	1	09/29/2019 04:19	WG1354025
1,1,2,2-Tetrachloroethane	U		0.000443	0.00284	1	09/29/2019 04:19	WG1354025
1,1,2-Trichlorotrifluoroethane	U		0.000767	0.00284	1	09/29/2019 04:19	WG1354025
Tetrachloroethene	0.0326	J0	0.000796	0.00284	1	09/29/2019 04:19	WG1354025
Toluene	0.0329		0.00142	0.00568	1	09/29/2019 04:19	WG1354025
1,2,3-Trichlorobenzene	U		0.000710	0.00284	1	09/29/2019 04:19	WG1354025
1,2,4-Trichlorobenzene	U		0.00548	0.0142	1	09/29/2019 04:19	WG1354025
1,1,1-Trichloroethane	U		0.000313	0.00284	1	09/29/2019 04:19	WG1354025
1,1,2-Trichloroethane	U		0.00100	0.00284	1	09/29/2019 04:19	WG1354025
Trichloroethene	0.00173		0.000455	0.00114	1	09/29/2019 04:19	WG1354025
Trichlorofluoromethane	U		0.000568	0.00284	1	09/29/2019 04:19	WG1354025
1,2,3-Trichloropropane	U		0.00580	0.0142	1	09/29/2019 04:19	WG1354025
1,2,4-Trimethylbenzene	U		0.00132	0.00568	1	09/29/2019 04:19	WG1354025
1,2,3-Trimethylbenzene	U		0.00131	0.00568	1	09/29/2019 04:19	WG1354025
1,3,5-Trimethylbenzene	U		0.00123	0.00568	1	09/29/2019 04:19	WG1354025
Vinyl acetate	U		0.00400	0.0142	1	09/29/2019 04:19	WG1354025
Vinyl chloride	U		0.000776	0.00284	1	09/29/2019 04:19	WG1354025
Xylenes, Total	U		0.00543	0.00739	1	09/29/2019 04:19	WG1354025
(S) Toluene-d8	*107*			*75.0-131*		*09/29/2019 04:19*	WG1354025
(S) 4-Bromofluorobenzene	*98.0*			*67.0-138*		*09/29/2019 04:19*	WG1354025
(S) 1,2-Dichloroethane-d4	*98.0*			*70.0-130*		*09/29/2019 04:19*	WG1354025

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.2		1	09/27/2019 15:31	WG1352853

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0652	B	0.0170	0.0309	1.19	09/29/2019 04:40	WG1354025
Acrylonitrile	U		0.00235	0.0155	1.19	09/29/2019 04:40	WG1354025
Benzene	U		0.000495	0.00124	1.19	09/29/2019 04:40	WG1354025
Bromobenzene	U		0.00130	0.0155	1.19	09/29/2019 04:40	WG1354025
Bromodichloromethane	U		0.000975	0.00309	1.19	09/29/2019 04:40	WG1354025
Bromochloromethane	U		0.00139	0.00619	1.19	09/29/2019 04:40	WG1354025
Bromoform	U		0.00740	0.0309	1.19	09/29/2019 04:40	WG1354025
Bromomethane	U		0.00458	0.0155	1.19	09/29/2019 04:40	WG1354025
n-Butylbenzene	U		0.00475	0.0155	1.19	09/29/2019 04:40	WG1354025
sec-Butylbenzene	U		0.00313	0.0155	1.19	09/29/2019 04:40	WG1354025
tert-Butylbenzene	U		0.00191	0.00619	1.19	09/29/2019 04:40	WG1354025
Carbon disulfide	U		0.00502	0.0155	1.19	09/29/2019 04:40	WG1354025
Carbon tetrachloride	U		0.00133	0.00619	1.19	09/29/2019 04:40	WG1354025
Chlorobenzene	U		0.000709	0.00309	1.19	09/29/2019 04:40	WG1354025
Chlorodibromomethane	U		0.000557	0.00309	1.19	09/29/2019 04:40	WG1354025
Chloroethane	U		0.00133	0.00619	1.19	09/29/2019 04:40	WG1354025
Chloroform	0.00122	B J	0.000514	0.00309	1.19	09/29/2019 04:40	WG1354025
Chloromethane	U		0.00172	0.0155	1.19	09/29/2019 04:40	WG1354025
2-Chlorotoluene	U		0.00113	0.00309	1.19	09/29/2019 04:40	WG1354025
4-Chlorotoluene	U		0.00139	0.00619	1.19	09/29/2019 04:40	WG1354025
1,2-Dibromo-3-Chloropropane	U		0.00631	0.0309	1.19	09/29/2019 04:40	WG1354025
1,2-Dibromoethane	U		0.000650	0.00309	1.19	09/29/2019 04:40	WG1354025
Dibromomethane	U		0.00124	0.00619	1.19	09/29/2019 04:40	WG1354025
1,2-Dichlorobenzene	U		0.00179	0.00619	1.19	09/29/2019 04:40	WG1354025
1,3-Dichlorobenzene	U		0.00210	0.00619	1.19	09/29/2019 04:40	WG1354025
1,4-Dichlorobenzene	U		0.00243	0.00619	1.19	09/29/2019 04:40	WG1354025
Dichlorodifluoromethane	U		0.00101	0.00309	1.19	09/29/2019 04:40	WG1354025
1,1-Dichloroethane	U		0.000711	0.00309	1.19	09/29/2019 04:40	WG1354025
1,2-Dichloroethane	U		0.000588	0.00309	1.19	09/29/2019 04:40	WG1354025
1,1-Dichloroethene	U		0.000619	0.00309	1.19	09/29/2019 04:40	WG1354025
cis-1,2-Dichloroethene	U		0.000854	0.00309	1.19	09/29/2019 04:40	WG1354025
trans-1,2-Dichloroethene	U		0.00177	0.00619	1.19	09/29/2019 04:40	WG1354025
1,2-Dichloropropane	U		0.00157	0.00619	1.19	09/29/2019 04:40	WG1354025
1,1-Dichloropropene	U		0.000866	0.00309	1.19	09/29/2019 04:40	WG1354025
1,3-Dichloropropane	U		0.00216	0.00619	1.19	09/29/2019 04:40	WG1354025
cis-1,3-Dichloropropene	U		0.000839	0.00309	1.19	09/29/2019 04:40	WG1354025
trans-1,3-Dichloropropene	U		0.00189	0.00619	1.19	09/29/2019 04:40	WG1354025
trans-1,4-Dichloro-2-butene	U		0.00174	0.00619	1.19	09/29/2019 04:40	WG1354025
2,2-Dichloropropane	U		0.000982	0.00309	1.19	09/29/2019 04:40	WG1354025
Di-isopropyl ether	U		0.000433	0.00124	1.19	09/29/2019 04:40	WG1354025
Ethylbenzene	0.00111	J	0.000656	0.00309	1.19	09/29/2019 04:40	WG1354025
Hexachloro-1,3-butadiene	U		0.0157	0.0309	1.19	09/29/2019 04:40	WG1354025
2-Hexanone	U		0.0124	0.0309	1.19	09/29/2019 04:40	WG1354025
n-Hexane	U		0.00131	0.00619	1.19	09/29/2019 04:40	WG1354025
Iodomethane	U		0.00749	0.0155	1.19	09/29/2019 04:40	WG1354025
Isopropylbenzene	U		0.00107	0.00309	1.19	09/29/2019 04:40	WG1354025
p-Isopropyltoluene	U		0.00288	0.00619	1.19	09/29/2019 04:40	WG1354025
2-Butanone (MEK)	0.0301	B J	0.0155	0.0309	1.19	09/29/2019 04:40	WG1354025
Methylene Chloride	0.0124	J	0.00822	0.0309	1.19	09/29/2019 04:40	WG1354025
4-Methyl-2-pentanone (MIBK)	U		0.0124	0.0309	1.19	09/29/2019 04:40	WG1354025

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000365	0.00124	1.19	09/29/2019 04:40	WG1354025
Naphthalene	U		0.00386	0.0155	1.19	09/29/2019 04:40	WG1354025
n-Propylbenzene	U		0.00146	0.00619	1.19	09/29/2019 04:40	WG1354025
Styrene	U		0.00338	0.0155	1.19	09/29/2019 04:40	WG1354025
1,1,1,2-Tetrachloroethane	U		0.000619	0.00309	1.19	09/29/2019 04:40	WG1354025
1,1,2,2-Tetrachloroethane	U		0.000483	0.00309	1.19	09/29/2019 04:40	WG1354025
1,1,2-Trichlorotrifluoroethane	U		0.000835	0.00309	1.19	09/29/2019 04:40	WG1354025
Tetrachloroethene	0.0141	J0	0.000866	0.00309	1.19	09/29/2019 04:40	WG1354025
Toluene	0.0376		0.00155	0.00619	1.19	09/29/2019 04:40	WG1354025
1,2,3-Trichlorobenzene	U		0.000774	0.00309	1.19	09/29/2019 04:40	WG1354025
1,2,4-Trichlorobenzene	U		0.00597	0.0155	1.19	09/29/2019 04:40	WG1354025
1,1,1-Trichloroethane	U		0.000340	0.00309	1.19	09/29/2019 04:40	WG1354025
1,1,2-Trichloroethane	U		0.00109	0.00309	1.19	09/29/2019 04:40	WG1354025
Trichloroethene	U		0.000495	0.00124	1.19	09/29/2019 04:40	WG1354025
Trichlorofluoromethane	U		0.000619	0.00309	1.19	09/29/2019 04:40	WG1354025
1,2,3-Trichloropropane	U		0.00631	0.0155	1.19	09/29/2019 04:40	WG1354025
1,2,4-Trimethylbenzene	U		0.00144	0.00619	1.19	09/29/2019 04:40	WG1354025
1,2,3-Trimethylbenzene	U		0.00142	0.00619	1.19	09/29/2019 04:40	WG1354025
1,3,5-Trimethylbenzene	U		0.00133	0.00619	1.19	09/29/2019 04:40	WG1354025
Vinyl acetate	U		0.00436	0.0155	1.19	09/29/2019 04:40	WG1354025
Vinyl chloride	U		0.000845	0.00309	1.19	09/29/2019 04:40	WG1354025
Xylenes, Total	U		0.00592	0.00804	1.19	09/29/2019 04:40	WG1354025
(S) Toluene-d8	*106*			*75.0-131*		*09/29/2019 04:40*	WG1354025
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*		*09/29/2019 04:40*	WG1354025
(S) 1,2-Dichloroethane-d4	*96.2*			*70.0-130*		*09/29/2019 04:40*	WG1354025

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

Method Blank (MB)

(MB) R3455494-1 09/27/19 15:31

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

L1141927-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1141927-02 09/27/19 15:31 • (DUP) R3455494-3 09/27/19 15:31

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.3	87.3	1	0.0374		10

Laboratory Control Sample (LCS)

(LCS) R3455494-2 09/27/19 15:31

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3456065-3 09/28/19 20:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500

Method Blank (MB)

(MB) R3456065-3 09/28/19 20:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	0.395	J	0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*100*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*

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

(LCS) R3456065-1 09/28/19 19:14 • (LCSD) R3456065-2 09/28/19 19:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	120	139	96.2	111	19.0-160			14.2	27
Acrylonitrile	125	117	117	93.3	93.5	55.0-149			0.161	20
Benzene	25.0	25.8	26.3	103	105	70.0-123			1.82	20
Bromobenzene	25.0	25.7	26.6	103	107	73.0-121			3.68	20
Bromodichloromethane	25.0	27.2	28.0	109	112	75.0-120			2.89	20
Bromochloromethane	25.0	25.2	26.0	101	104	76.0-122			3.36	20
Bromoform	25.0	25.2	25.8	101	103	68.0-132			2.39	20
Bromomethane	25.0	23.0	22.7	92.1	90.8	10.0-160			1.44	25
n-Butylbenzene	25.0	27.3	27.9	109	111	73.0-125			1.93	20
sec-Butylbenzene	25.0	29.4	29.7	117	119	75.0-125			1.08	20
tert-Butylbenzene	25.0	24.6	25.3	98.5	101	76.0-124			2.84	20
Carbon disulfide	25.0	25.5	25.9	102	104	61.0-128			1.81	20
Carbon tetrachloride	25.0	23.2	23.6	92.8	94.3	68.0-126			1.60	20
Chlorobenzene	25.0	27.9	26.3	112	105	80.0-121			6.05	20
Chlorodibromomethane	25.0	26.4	26.1	106	104	77.0-125			1.26	20
Chloroethane	25.0	22.2	22.2	88.9	88.8	47.0-150			0.114	20
Chloroform	25.0	24.3	24.6	97.0	98.2	73.0-120			1.23	20
Chloromethane	25.0	22.6	22.8	90.5	91.1	41.0-142			0.643	20
2-Chlorotoluene	25.0	26.7	27.5	107	110	76.0-123			2.94	20
4-Chlorotoluene	25.0	27.1	28.1	108	113	75.0-122			3.84	20
1,2-Dibromo-3-Chloropropane	25.0	26.2	27.5	105	110	58.0-134			4.78	20
1,2-Dibromoethane	25.0	26.0	25.6	104	102	80.0-122			1.73	20
Dibromomethane	25.0	26.1	26.4	105	106	80.0-120			1.04	20
1,2-Dichlorobenzene	25.0	26.4	27.1	106	109	79.0-121			2.72	20
1,3-Dichlorobenzene	25.0	25.4	26.6	102	106	79.0-120			4.31	20
1,4-Dichlorobenzene	25.0	26.0	26.8	104	107	79.0-120			2.94	20
Dichlorodifluoromethane	25.0	24.0	23.9	96.1	95.6	51.0-149			0.448	20
1,1-Dichloroethane	25.0	24.3	24.6	97.1	98.3	70.0-126			1.27	20
1,2-Dichloroethane	25.0	26.0	26.4	104	106	70.0-128			1.75	20
1,1-Dichloroethene	25.0	25.6	25.6	102	102	71.0-124			0.119	20
cis-1,2-Dichloroethene	25.0	24.9	24.8	99.6	99.0	73.0-120			0.619	20
trans-1,2-Dichloroethene	25.0	24.8	24.9	99.3	99.6	73.0-120			0.336	20
1,2-Dichloropropane	25.0	27.3	27.9	109	112	77.0-125			2.27	20
1,1-Dichloropropene	25.0	26.4	25.9	106	104	74.0-126			1.99	20
1,3-Dichloropropane	25.0	27.2	26.2	109	105	80.0-120			3.84	20
cis-1,3-Dichloropropene	25.0	27.1	28.0	108	112	80.0-123			3.36	20
trans-1,3-Dichloropropene	25.0	28.6	27.7	114	111	78.0-124			3.12	20
2,2-Dichloropropane	25.0	22.1	22.9	88.6	91.6	58.0-130			3.36	20
Di-isopropyl ether	25.0	24.7	25.3	98.9	101	58.0-138			2.52	20
Ethylbenzene	25.0	27.5	26.2	110	105	79.0-123			4.84	20

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

(LCS) R3456065-1 09/28/19 19:14 • (LCSD) R3456065-2 09/28/19 19:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	25.0	25.1	26.8	101	107	54.0-138			6.26	20
2-Hexanone	125	128	130	103	104	67.0-149			1.22	20
n-Hexane	25.0	25.3	26.0	101	104	57.0-133			2.65	20
Iodomethane	125	120	121	95.8	96.5	33.0-147			0.736	26
Isopropylbenzene	25.0	28.5	26.4	114	106	76.0-127			7.62	20
p-Isopropyltoluene	25.0	28.5	28.5	114	114	76.0-125			0.0960	20
2-Butanone (MEK)	125	128	138	102	110	44.0-160			7.90	20
Methylene Chloride	25.0	23.4	23.4	93.5	93.6	67.0-120			0.123	20
4-Methyl-2-pentanone (MIBK)	125	133	130	106	104	68.0-142			2.07	20
Methyl tert-butyl ether	25.0	22.7	22.9	90.9	91.5	68.0-125			0.690	20
Naphthalene	25.0	28.1	29.7	112	119	54.0-135			5.63	20
n-Propylbenzene	25.0	27.1	27.7	109	111	77.0-124			2.04	20
Styrene	25.0	27.0	26.3	108	105	73.0-130			2.56	20
1,1,1,2-Tetrachloroethane	25.0	26.3	25.8	105	103	75.0-125			1.75	20
1,1,2,2-Tetrachloroethane	25.0	27.3	28.8	109	115	65.0-130			5.31	20
1,1,2-Trichlorotrifluoroethane	25.0	25.0	24.7	100	98.7	69.0-132			1.44	20
Tetrachloroethene	25.0	27.3	26.0	109	104	72.0-132			4.90	20
Toluene	25.0	26.2	25.6	105	102	79.0-120			2.40	20
1,2,3-Trichlorobenzene	25.0	29.2	29.6	117	118	50.0-138			1.30	20
1,2,4-Trichlorobenzene	25.0	27.6	28.0	110	112	57.0-137			1.48	20
1,1,1-Trichloroethane	25.0	25.9	25.5	103	102	73.0-124			1.63	20
1,1,2-Trichloroethane	25.0	27.6	25.9	110	104	80.0-120			6.26	20
Trichloroethene	25.0	25.0	25.2	100	101	78.0-124			0.663	20
Trichlorofluoromethane	25.0	24.0	23.0	95.8	92.0	59.0-147			4.09	20
1,2,3-Trichloropropane	25.0	25.6	26.4	102	106	73.0-130			3.20	20
1,2,4-Trimethylbenzene	25.0	27.9	28.6	112	114	76.0-121			2.35	20
1,2,3-Trimethylbenzene	25.0	28.9	29.3	116	117	77.0-120			1.50	20
1,3,5-Trimethylbenzene	25.0	28.4	29.6	114	118	76.0-122			4.17	20
Vinyl acetate	125	130	134	104	107	11.0-160			2.90	20
Vinyl chloride	25.0	23.8	23.8	95.4	95.1	67.0-131			0.216	20
Xylenes, Total	75.0	79.4	75.7	106	101	79.0-123			4.77	20
(S) Toluene-d8				*100*	*99.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*90.3*	*90.2*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*104*	*110*	*70.0-130*				

Method Blank (MB)

(MB) R3456621-2 10/01/19 10:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
trans-1,4-Dichloro-2-butene	U		0.257	5.00
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3456621-1 10/01/19 09:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,4-Dichloro-2-butene	25.0	20.8	83.1	33.0-144	
(S) Toluene-d8			*100*	*80.0-120*	
(S) 4-Bromofluorobenzene			*105*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*105*	*70.0-130*	

Method Blank (MB)

(MB) R3455827-2 09/28/19 22:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	0.0156	J	0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	0.00138	J	0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	0.00160	J	0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3455827-2 09/28/19 22:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	0.0155	J	0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*106*			*75.0-131*
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3455827-1 09/28/19 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.544	87.0	10.0-160	
Acrylonitrile	0.625	0.587	94.0	45.0-153	
Benzene	0.125	0.121	96.9	70.0-123	
Bromobenzene	0.125	0.114	90.9	73.0-121	
Bromodichloromethane	0.125	0.113	90.2	73.0-121	
Bromochloromethane	0.125	0.115	92.1	77.0-128	
Bromoform	0.125	0.112	89.8	64.0-132	
Bromomethane	0.125	0.135	108	56.0-147	
n-Butylbenzene	0.125	0.125	99.7	68.0-135	
sec-Butylbenzene	0.125	0.128	103	74.0-130	
tert-Butylbenzene	0.125	0.128	103	75.0-127	
Carbon disulfide	0.125	0.121	96.9	56.0-133	
Carbon tetrachloride	0.125	0.124	98.8	66.0-128	
Chlorobenzene	0.125	0.119	95.5	76.0-128	
Chlorodibromomethane	0.125	0.116	93.1	74.0-127	
Chloroethane	0.125	0.137	109	61.0-134	
Chloroform	0.125	0.118	94.2	72.0-123	
Chloromethane	0.125	0.127	102	51.0-138	
2-Chlorotoluene	0.125	0.124	99.3	75.0-124	
4-Chlorotoluene	0.125	0.115	92.2	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.101	80.9	59.0-130	
1,2-Dibromoethane	0.125	0.128	103	74.0-128	
Dibromomethane	0.125	0.121	96.5	75.0-122	
1,2-Dichlorobenzene	0.125	0.128	102	76.0-124	
1,3-Dichlorobenzene	0.125	0.125	99.8	76.0-125	
1,4-Dichlorobenzene	0.125	0.122	97.9	77.0-121	
trans-1,4-Dichloro-2-butene	0.125	0.117	93.9	45.0-143	
Dichlorodifluoromethane	0.125	0.126	101	43.0-156	
1,1-Dichloroethane	0.125	0.120	95.7	70.0-127	
1,2-Dichloroethane	0.125	0.112	89.3	65.0-131	
1,1-Dichloroethene	0.125	0.125	100	65.0-131	
cis-1,2-Dichloroethene	0.125	0.117	93.8	73.0-125	
trans-1,2-Dichloroethene	0.125	0.127	102	71.0-125	
1,2-Dichloropropane	0.125	0.123	98.7	74.0-125	
1,1-Dichloropropene	0.125	0.122	97.5	73.0-125	
1,3-Dichloropropane	0.125	0.124	99.1	80.0-125	
cis-1,3-Dichloropropene	0.125	0.120	96.3	76.0-127	
trans-1,3-Dichloropropene	0.125	0.120	95.9	73.0-127	
2,2-Dichloropropane	0.125	0.113	90.4	59.0-135	
Di-isopropyl ether	0.125	0.118	94.3	60.0-136	

Laboratory Control Sample (LCS)

(LCS) R3455827-1 09/28/19 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.125	0.123	98.0	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.137	110	57.0-150	
2-Hexanone	0.625	0.610	97.7	54.0-147	
n-Hexane	0.125	0.121	96.7	55.0-137	
Iodomethane	0.625	0.476	76.1	74.0-134	
Isopropylbenzene	0.125	0.126	101	72.0-127	
p-Isopropyltoluene	0.125	0.131	105	72.0-133	
2-Butanone (MEK)	0.625	0.571	91.4	30.0-160	
Methylene Chloride	0.125	0.126	100	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.599	95.8	56.0-143	
Methyl tert-butyl ether	0.125	0.122	97.3	66.0-132	
Naphthalene	0.125	0.113	90.3	59.0-130	
n-Propylbenzene	0.125	0.118	94.8	74.0-126	
Styrene	0.125	0.118	94.5	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.126	101	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.111	88.8	68.0-128	
Tetrachloroethene	0.125	0.132	105	70.0-136	
Toluene	0.125	0.120	95.9	75.0-121	
1,1,2-Trichlorotrifluoroethane	0.125	0.123	98.2	61.0-139	
1,2,3-Trichlorobenzene	0.125	0.120	96.4	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.128	102	62.0-137	
1,1,1-Trichloroethane	0.125	0.117	93.3	69.0-126	
1,1,2-Trichloroethane	0.125	0.118	94.7	78.0-123	
Trichloroethene	0.125	0.130	104	76.0-126	
Trichlorofluoromethane	0.125	0.123	98.6	61.0-142	
1,2,3-Trichloropropane	0.125	0.124	99.4	67.0-129	
1,2,3-Trimethylbenzene	0.125	0.120	96.3	74.0-124	
1,2,4-Trimethylbenzene	0.125	0.119	95.0	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.122	97.6	73.0-127	
Vinyl acetate	0.625	0.548	87.7	43.0-159	
Vinyl chloride	0.125	0.121	96.8	63.0-134	
Xylenes, Total	0.375	0.380	101	72.0-127	
(S) Toluene-d8			*106*	*75.0-131*	
(S) 4-Bromofluorobenzene			*97.9*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*99.2*	*70.0-130*	

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

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.

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

State Accreditations

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

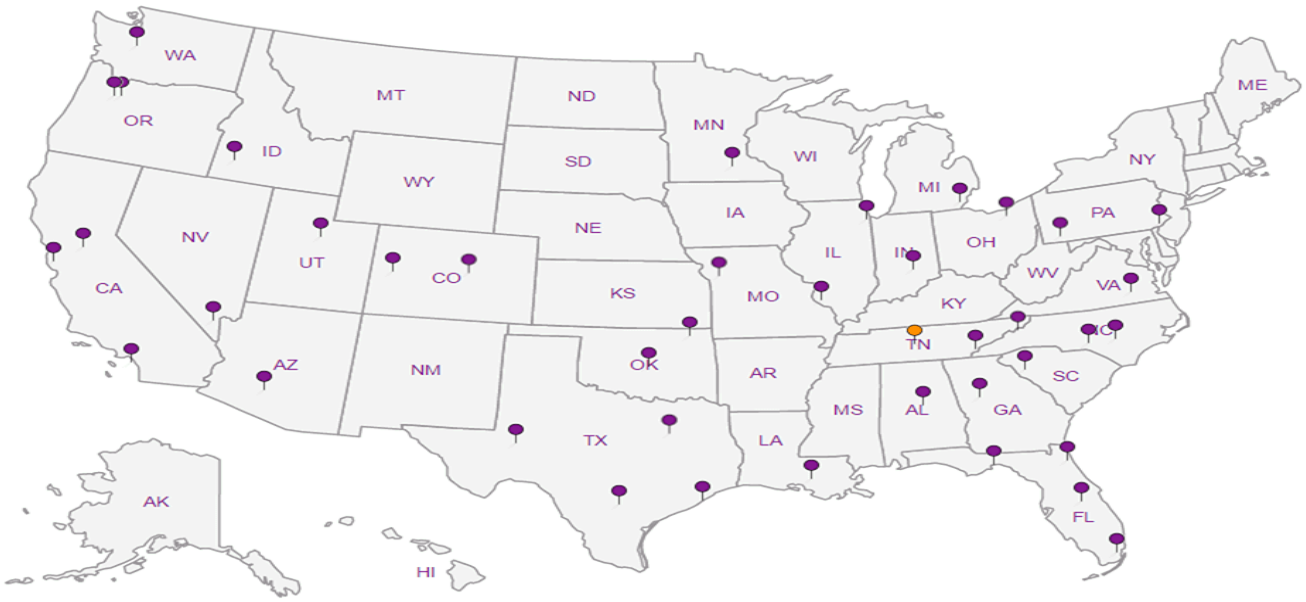
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: SEATTLE/WA

Please Circle: PT MT CT ET

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

Client Project # 1413.001.02.501B

Lab Project # PESENVSWA-ALP

Site/Facility ID #

P.O. #

Collected by (print): R.MCLAUGHLIN

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

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 # 114922

A101

PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110 - Brian Ford

PB: 8/21/19 MW

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Pres Chk	Remarks	Sample # (lab only)
TB2-092019	—	SS	—	9/20/19	1345	1	X	X (RAD)			-01
MW-301-6	GRAB	SS	6		1245	2	X	X			02
MW-301-10		SS	10		1250						03
MW-301-15		SS	15		1300						04
MW-301-20		SS	20		1305						05
MW-301-25		SS	25		1335						06
MW-301-30	X	SS	30	X	1337	2	X	X			07
		SS									
		SS									
		SS									

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

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

	Date:	Time:		
Relinquished by: (Signature) R T McLaughl	9-20-19	1500	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR 1
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: -8.0 -8.5 °C Bottles Received: 12
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) ISA	Date: 09-21 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

October 18, 2019

PES Environmental, Inc.- WA

Sample Delivery Group:	L1145065
Samples Received:	10/01/2019
Project Number:	1413.001.02.501B
Description:	

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

Entire Report Reviewed By:

Brian Ford
Project Manager

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

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TB-093019 L1145065-01 GW

Collected by: R. McLaughlin | Collected date/time: 09/30/19 07:30 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1358414	1	10/06/19 21:25	10/06/19 21:25	BMB	Mt. Juliet, TN

MW-323-10 L1145065-02 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 09:35 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358897	1	10/08/19 11:30	10/08/19 11:42	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360525	2	09/28/19 09:35	10/11/19 06:15	ACG	Mt. Juliet, TN

MW-323-15 L1145065-03 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 09:55 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358897	1	10/08/19 11:30	10/08/19 11:42	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360525	2.04	09/28/19 09:55	10/11/19 06:35	ACG	Mt. Juliet, TN

MW-323-20 L1145065-04 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 09:57 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358897	1	10/08/19 11:30	10/08/19 11:42	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360525	1	09/28/19 09:57	10/11/19 06:56	ACG	Mt. Juliet, TN

MW-323-25 L1145065-05 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 10:10 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358897	1	10/08/19 11:30	10/08/19 11:42	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360525	1	09/28/19 10:10	10/11/19 07:17	ACG	Mt. Juliet, TN

MW-323-30 L1145065-06 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 10:12 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358897	1	10/08/19 11:30	10/08/19 11:42	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360525	2	09/28/19 10:12	10/11/19 07:38	ACG	Mt. Juliet, TN

MW-323-35 L1145065-07 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 10:25 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358897	1	10/08/19 11:30	10/08/19 11:42	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360525	1	09/28/19 10:25	10/11/19 07:59	ACG	Mt. Juliet, TN

MW-323-40 L1145065-08 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 10:30 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358897	1	10/08/19 11:30	10/08/19 11:42	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360525	1	09/28/19 10:30	10/11/19 08:20	ACG	Mt. Juliet, TN

MW-323-45 L1145065-09 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 11:25 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358897	1	10/08/19 11:30	10/08/19 11:42	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360525	1	09/28/19 11:25	10/11/19 10:08	JAH	Mt. Juliet, TN

MW-323-50 L1145065-10 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 11:28 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358898	1	10/08/19 11:16	10/08/19 11:27	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360525	1	09/28/19 11:28	10/11/19 10:29	JAH	Mt. Juliet, TN

MW-323-55 L1145065-11 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 11:30 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358898	1	10/08/19 11:16	10/08/19 11:27	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360525	1	09/28/19 11:30	10/11/19 10:50	JAH	Mt. Juliet, TN

MW-323-60 L1145065-12 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 11:32 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358898	1	10/08/19 11:16	10/08/19 11:27	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360525	1.01	09/28/19 11:32	10/11/19 11:11	JAH	Mt. Juliet, TN

MW-323-65 L1145065-13 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 12:15 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358898	1	10/08/19 11:16	10/08/19 11:27	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360981	1	09/28/19 12:15	10/11/19 16:42	DWR	Mt. Juliet, TN

MW-323-70 L1145065-14 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 12:17 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358898	1	10/08/19 11:16	10/08/19 11:27	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360981	139	09/28/19 12:17	10/11/19 22:54	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1362254	139	10/13/19 13:13	10/13/19 17:53	ACG	Mt. Juliet, TN

MW-323-75 L1145065-15 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 13:38 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358898	1	10/08/19 11:16	10/08/19 11:27	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360981	1	09/28/19 13:38	10/11/19 17:02	DWR	Mt. Juliet, TN

MW-323-80 L1145065-16 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 13:40 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358898	1	10/08/19 11:16	10/08/19 11:27	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360981	1	09/28/19 13:40	10/11/19 17:24	DWR	Mt. Juliet, TN

MW-323-85 L1145065-17 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 14:50 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358898	1	10/08/19 11:16	10/08/19 11:27	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360981	1	09/28/19 14:50	10/11/19 17:43	DWR	Mt. Juliet, TN

MW-323-91 L1145065-18 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 14:52 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358898	1	10/08/19 11:16	10/08/19 11:27	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360981	2.32	09/28/19 14:52	10/11/19 18:04	DWR	Mt. Juliet, TN

MW-323-95 L1145065-19 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 14:55 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358898	1	10/08/19 11:16	10/08/19 11:27	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360981	1	09/28/19 15:55	10/11/19 18:24	DWR	Mt. Juliet, TN

MW-323-99 L1145065-20 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 15:00 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358899	1	10/08/19 10:54	10/08/19 11:01	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360981	1	09/28/19 15:00	10/11/19 18:45	DWR	Mt. Juliet, TN

MW-323-105 L1145065-21 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 16:10 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358899	1	10/08/19 10:54	10/08/19 11:01	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360981	1	09/28/19 16:10	10/11/19 19:05	DWR	Mt. Juliet, TN

MW-323-110 L1145065-22 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 16:12 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358899	1	10/08/19 10:54	10/08/19 11:01	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360981	2.16	09/28/19 16:12	10/11/19 19:26	DWR	Mt. Juliet, TN

MW-2010- L1145065-23 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 16:00 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358899	1	10/08/19 10:54	10/08/19 11:01	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360981	1	09/28/19 16:00	10/11/19 19:47	DWR	Mt. Juliet, TN

MW-2012-10 L1145065-24 Solid

Collected by: R. McLaughlin | Collected date/time: 09/28/19 16:30 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358899	1	10/08/19 10:54	10/08/19 11:01	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360981	1.1	09/28/19 16:30	10/11/19 20:07	DWR	Mt. Juliet, TN

MW-320-19 L1145065-25 Solid

Collected by: R. McLaughlin | Collected date/time: 09/29/19 14:05 | Received date/time: 10/01/19 09:00

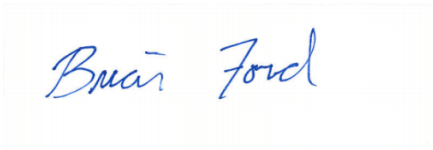
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358899	1	10/08/19 10:54	10/08/19 11:01	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1359149	250	09/29/19 14:05	10/08/19 20:44	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360981	20	09/29/19 14:05	10/11/19 20:28	DWR	Mt. Juliet, TN

MW-320-27 L1145065-26 Solid

Collected by: R. McLaughlin | Collected date/time: 09/29/19 14:00 | Received date/time: 10/01/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358899	1	10/08/19 10:54	10/08/19 11:01	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1359149	25	09/29/19 14:00	10/08/19 15:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1360981	1	09/29/19 14:00	10/11/19 20:49	DWR	Mt. Juliet, TN

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



Brian Ford
Project Manager

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	10/06/2019 21:25	WG1358414
Acrylonitrile	U		0.873	5.00	1	10/06/2019 21:25	WG1358414
Benzene	U		0.0896	0.500	1	10/06/2019 21:25	WG1358414
Bromobenzene	U		0.133	0.500	1	10/06/2019 21:25	WG1358414
Bromodichloromethane	U		0.0800	0.500	1	10/06/2019 21:25	WG1358414
Bromochloromethane	U		0.145	0.500	1	10/06/2019 21:25	WG1358414
Bromoform	U		0.186	0.500	1	10/06/2019 21:25	WG1358414
Bromomethane	U		0.157	2.50	1	10/06/2019 21:25	WG1358414
n-Butylbenzene	U		0.143	0.500	1	10/06/2019 21:25	WG1358414
sec-Butylbenzene	U		0.134	0.500	1	10/06/2019 21:25	WG1358414
tert-Butylbenzene	U		0.183	0.500	1	10/06/2019 21:25	WG1358414
Carbon disulfide	U		0.101	0.500	1	10/06/2019 21:25	WG1358414
Carbon tetrachloride	U		0.159	0.500	1	10/06/2019 21:25	WG1358414
Chlorobenzene	U		0.140	0.500	1	10/06/2019 21:25	WG1358414
Chlorodibromomethane	U		0.128	0.500	1	10/06/2019 21:25	WG1358414
Chloroethane	U		0.141	2.50	1	10/06/2019 21:25	WG1358414
Chloroform	U		0.0860	0.500	1	10/06/2019 21:25	WG1358414
Chloromethane	U		0.153	1.25	1	10/06/2019 21:25	WG1358414
2-Chlorotoluene	U		0.111	0.500	1	10/06/2019 21:25	WG1358414
4-Chlorotoluene	U		0.0972	0.500	1	10/06/2019 21:25	WG1358414
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	10/06/2019 21:25	WG1358414
1,2-Dibromoethane	U		0.193	0.500	1	10/06/2019 21:25	WG1358414
Dibromomethane	U		0.117	0.500	1	10/06/2019 21:25	WG1358414
1,2-Dichlorobenzene	U		0.101	0.500	1	10/06/2019 21:25	WG1358414
1,3-Dichlorobenzene	U		0.130	0.500	1	10/06/2019 21:25	WG1358414
1,4-Dichlorobenzene	U		0.121	0.500	1	10/06/2019 21:25	WG1358414
Dichlorodifluoromethane	U		0.127	2.50	1	10/06/2019 21:25	WG1358414
1,1-Dichloroethane	U		0.114	0.500	1	10/06/2019 21:25	WG1358414
1,2-Dichloroethane	U		0.108	0.500	1	10/06/2019 21:25	WG1358414
1,1-Dichloroethene	U		0.188	0.500	1	10/06/2019 21:25	WG1358414
cis-1,2-Dichloroethene	U		0.0933	0.500	1	10/06/2019 21:25	WG1358414
trans-1,2-Dichloroethene	U		0.152	0.500	1	10/06/2019 21:25	WG1358414
1,2-Dichloropropane	U		0.190	0.500	1	10/06/2019 21:25	WG1358414
1,1-Dichloropropene	U		0.128	0.500	1	10/06/2019 21:25	WG1358414
1,3-Dichloropropane	U		0.147	1.00	1	10/06/2019 21:25	WG1358414
cis-1,3-Dichloropropene	U		0.0976	0.500	1	10/06/2019 21:25	WG1358414
trans-1,3-Dichloropropene	U		0.222	0.500	1	10/06/2019 21:25	WG1358414
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	10/06/2019 21:25	WG1358414
2,2-Dichloropropane	U		0.0929	0.500	1	10/06/2019 21:25	WG1358414
Di-isopropyl ether	U		0.0924	0.500	1	10/06/2019 21:25	WG1358414
Ethylbenzene	U		0.158	0.500	1	10/06/2019 21:25	WG1358414
Hexachloro-1,3-butadiene	U		0.157	1.00	1	10/06/2019 21:25	WG1358414
2-Hexanone	U		0.757	5.00	1	10/06/2019 21:25	WG1358414
n-Hexane	U		0.305	5.00	1	10/06/2019 21:25	WG1358414
Iodomethane	U		0.377	10.0	1	10/06/2019 21:25	WG1358414
Isopropylbenzene	U		0.126	0.500	1	10/06/2019 21:25	WG1358414
p-Isopropyltoluene	U		0.138	0.500	1	10/06/2019 21:25	WG1358414
2-Butanone (MEK)	U		1.28	5.00	1	10/06/2019 21:25	WG1358414
Methylene Chloride	U		1.07	2.50	1	10/06/2019 21:25	WG1358414
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	10/06/2019 21:25	WG1358414
Methyl tert-butyl ether	U		0.102	0.500	1	10/06/2019 21:25	WG1358414
Naphthalene	U		0.174	2.50	1	10/06/2019 21:25	WG1358414
n-Propylbenzene	U		0.162	0.500	1	10/06/2019 21:25	WG1358414
Styrene	U		0.117	0.500	1	10/06/2019 21:25	WG1358414
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	10/06/2019 21:25	WG1358414
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	10/06/2019 21:25	WG1358414

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	10/06/2019 21:25	WG1358414
Tetrachloroethene	U		0.199	0.500	1	10/06/2019 21:25	WG1358414
Toluene	U		0.412	0.500	1	10/06/2019 21:25	WG1358414
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/06/2019 21:25	WG1358414
1,2,4-Trichlorobenzene	U		0.355	0.500	1	10/06/2019 21:25	WG1358414
1,1,1-Trichloroethane	U		0.0940	0.500	1	10/06/2019 21:25	WG1358414
1,1,2-Trichloroethane	U		0.186	0.500	1	10/06/2019 21:25	WG1358414
Trichloroethene	U		0.153	0.500	1	10/06/2019 21:25	WG1358414
Trichlorofluoromethane	U		0.130	2.50	1	10/06/2019 21:25	WG1358414
1,2,3-Trichloropropane	U		0.247	2.50	1	10/06/2019 21:25	WG1358414
1,2,4-Trimethylbenzene	U		0.123	0.500	1	10/06/2019 21:25	WG1358414
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	10/06/2019 21:25	WG1358414
1,3,5-Trimethylbenzene	U		0.124	0.500	1	10/06/2019 21:25	WG1358414
Vinyl acetate	U		0.645	5.00	1	10/06/2019 21:25	WG1358414
Vinyl chloride	U		0.118	0.500	1	10/06/2019 21:25	WG1358414
Xylenes, Total	U		0.316	1.50	1	10/06/2019 21:25	WG1358414
(S) Toluene-d8	*99.1*			*80.0-120*		*10/06/2019 21:25*	WG1358414
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*10/06/2019 21:25*	WG1358414
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*10/06/2019 21:25*	WG1358414

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	10/08/2019 11:42	WG1358897

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0425	J	0.0334	0.0610	2	10/11/2019 06:15	WG1360525
Acrylonitrile	U		0.00463	0.0305	2	10/11/2019 06:15	WG1360525
Benzene	0.0151		0.000975	0.00244	2	10/11/2019 06:15	WG1360525
Bromobenzene	U		0.00256	0.0305	2	10/11/2019 06:15	WG1360525
Bromodichloromethane	U		0.00193	0.00610	2	10/11/2019 06:15	WG1360525
Bromochloromethane	U		0.00276	0.0122	2	10/11/2019 06:15	WG1360525
Bromoform	U		0.0146	0.0610	2	10/11/2019 06:15	WG1360525
Bromomethane	U		0.00902	0.0305	2	10/11/2019 06:15	WG1360525
n-Butylbenzene	U		0.00936	0.0305	2	10/11/2019 06:15	WG1360525
sec-Butylbenzene	U		0.00617	0.0305	2	10/11/2019 06:15	WG1360525
tert-Butylbenzene	U		0.00378	0.0122	2	10/11/2019 06:15	WG1360525
Carbon disulfide	U		0.00990	0.0305	2	10/11/2019 06:15	WG1360525
Carbon tetrachloride	U		0.00263	0.0122	2	10/11/2019 06:15	WG1360525
Chlorobenzene	U		0.00140	0.00610	2	10/11/2019 06:15	WG1360525
Chlorodibromomethane	U		0.00110	0.00610	2	10/11/2019 06:15	WG1360525
Chloroethane	U		0.00263	0.0122	2	10/11/2019 06:15	WG1360525
Chloroform	0.00425	B J	0.00101	0.00610	2	10/11/2019 06:15	WG1360525
Chloromethane	U		0.00339	0.0305	2	10/11/2019 06:15	WG1360525
2-Chlorotoluene	U		0.00224	0.00610	2	10/11/2019 06:15	WG1360525
4-Chlorotoluene	U		0.00276	0.0122	2	10/11/2019 06:15	WG1360525
1,2-Dibromo-3-Chloropropane	U		0.0124	0.0610	2	10/11/2019 06:15	WG1360525
1,2-Dibromoethane	U		0.00128	0.00610	2	10/11/2019 06:15	WG1360525
Dibromomethane	U		0.00244	0.0122	2	10/11/2019 06:15	WG1360525
1,2-Dichlorobenzene	U		0.00354	0.0122	2	10/11/2019 06:15	WG1360525
1,3-Dichlorobenzene	U		0.00415	0.0122	2	10/11/2019 06:15	WG1360525
1,4-Dichlorobenzene	U		0.00480	0.0122	2	10/11/2019 06:15	WG1360525
Dichlorodifluoromethane	U		0.00200	0.00610	2	10/11/2019 06:15	WG1360525
1,1-Dichloroethane	U		0.00140	0.00610	2	10/11/2019 06:15	WG1360525
1,2-Dichloroethane	U		0.00116	0.00610	2	10/11/2019 06:15	WG1360525
1,1-Dichloroethene	U		0.00122	0.00610	2	10/11/2019 06:15	WG1360525
cis-1,2-Dichloroethene	0.0168		0.00168	0.00610	2	10/11/2019 06:15	WG1360525
trans-1,2-Dichloroethene	U		0.00349	0.0122	2	10/11/2019 06:15	WG1360525
1,2-Dichloropropane	U		0.00310	0.0122	2	10/11/2019 06:15	WG1360525
1,1-Dichloropropene	U		0.00171	0.00610	2	10/11/2019 06:15	WG1360525
1,3-Dichloropropane	U		0.00427	0.0122	2	10/11/2019 06:15	WG1360525
cis-1,3-Dichloropropene	U		0.00166	0.00610	2	10/11/2019 06:15	WG1360525
trans-1,3-Dichloropropene	U		0.00373	0.0122	2	10/11/2019 06:15	WG1360525
trans-1,4-Dichloro-2-butene	U		0.00341	0.0122	2	10/11/2019 06:15	WG1360525
2,2-Dichloropropane	U		0.00194	0.00610	2	10/11/2019 06:15	WG1360525
Di-isopropyl ether	U		0.000853	0.00244	2	10/11/2019 06:15	WG1360525
Ethylbenzene	U		0.00129	0.00610	2	10/11/2019 06:15	WG1360525
Hexachloro-1,3-butadiene	U		0.0310	0.0610	2	10/11/2019 06:15	WG1360525
2-Hexanone	U		0.0244	0.0610	2	10/11/2019 06:15	WG1360525
n-Hexane	U		0.00258	0.0122	2	10/11/2019 06:15	WG1360525
Iodomethane	U		0.0148	0.0305	2	10/11/2019 06:15	WG1360525
Isopropylbenzene	U		0.00211	0.00610	2	10/11/2019 06:15	WG1360525
p-Isopropyltoluene	U		0.00568	0.0122	2	10/11/2019 06:15	WG1360525
2-Butanone (MEK)	U		0.0305	0.0610	2	10/11/2019 06:15	WG1360525
Methylene Chloride	0.0165	B J	0.0162	0.0610	2	10/11/2019 06:15	WG1360525
4-Methyl-2-pentanone (MIBK)	U		0.0244	0.0610	2	10/11/2019 06:15	WG1360525

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000719	0.00244	2	10/11/2019 06:15	WG1360525
Naphthalene	U		0.00761	0.0305	2	10/11/2019 06:15	WG1360525
n-Propylbenzene	U		0.00288	0.0122	2	10/11/2019 06:15	WG1360525
Styrene	U		0.00666	0.0305	2	10/11/2019 06:15	WG1360525
1,1,1,2-Tetrachloroethane	U		0.00122	0.00610	2	10/11/2019 06:15	WG1360525
1,1,2,2-Tetrachloroethane	U		0.000951	0.00610	2	10/11/2019 06:15	WG1360525
1,1,2-Trichlorotrifluoroethane	U		0.00165	0.00610	2	10/11/2019 06:15	WG1360525
Tetrachloroethene	0.0312		0.00171	0.00610	2	10/11/2019 06:15	WG1360525
Toluene	0.0310		0.00305	0.0122	2	10/11/2019 06:15	WG1360525
1,2,3-Trichlorobenzene	U		0.00152	0.00610	2	10/11/2019 06:15	WG1360525
1,2,4-Trichlorobenzene	U		0.0118	0.0305	2	10/11/2019 06:15	WG1360525
1,1,1-Trichloroethane	0.00172	J	0.000671	0.00610	2	10/11/2019 06:15	WG1360525
1,1,2-Trichloroethane	U		0.00216	0.00610	2	10/11/2019 06:15	WG1360525
Trichloroethene	U		0.000975	0.00244	2	10/11/2019 06:15	WG1360525
Trichlorofluoromethane	U		0.00122	0.00610	2	10/11/2019 06:15	WG1360525
1,2,3-Trichloropropane	U		0.0124	0.0305	2	10/11/2019 06:15	WG1360525
1,2,4-Trimethylbenzene	U		0.00283	0.0122	2	10/11/2019 06:15	WG1360525
1,2,3-Trimethylbenzene	U		0.00280	0.0122	2	10/11/2019 06:15	WG1360525
1,3,5-Trimethylbenzene	U		0.00263	0.0122	2	10/11/2019 06:15	WG1360525
Vinyl acetate	U		0.00858	0.0305	2	10/11/2019 06:15	WG1360525
Vinyl chloride	U		0.00167	0.00610	2	10/11/2019 06:15	WG1360525
Xylenes, Total	U		0.0117	0.0158	2	10/11/2019 06:15	WG1360525
(S) Toluene-d8	*105*			*75.0-131*		*10/11/2019 06:15*	WG1360525
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*10/11/2019 06:15*	WG1360525
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*10/11/2019 06:15*	WG1360525

Sample Narrative:

L1145065-02 WG1360525: Lowest possible dilution due to low sample volume.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.0		1	10/08/2019 11:42	WG1358897

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0497	J	0.0314	0.0573	2.04	10/11/2019 06:35	WG1360525
Acrylonitrile	U		0.00436	0.0287	2.04	10/11/2019 06:35	WG1360525
Benzene	0.00140	J	0.000917	0.00229	2.04	10/11/2019 06:35	WG1360525
Bromobenzene	U		0.00240	0.0287	2.04	10/11/2019 06:35	WG1360525
Bromodichloromethane	U		0.00181	0.00573	2.04	10/11/2019 06:35	WG1360525
Bromochloromethane	U		0.00260	0.0115	2.04	10/11/2019 06:35	WG1360525
Bromoform	U		0.0137	0.0573	2.04	10/11/2019 06:35	WG1360525
Bromomethane	U		0.00848	0.0287	2.04	10/11/2019 06:35	WG1360525
n-Butylbenzene	U		0.00880	0.0287	2.04	10/11/2019 06:35	WG1360525
sec-Butylbenzene	U		0.00580	0.0287	2.04	10/11/2019 06:35	WG1360525
tert-Butylbenzene	U		0.00355	0.0115	2.04	10/11/2019 06:35	WG1360525
Carbon disulfide	U		0.00930	0.0287	2.04	10/11/2019 06:35	WG1360525
Carbon tetrachloride	U		0.00247	0.0115	2.04	10/11/2019 06:35	WG1360525
Chlorobenzene	U		0.00131	0.00573	2.04	10/11/2019 06:35	WG1360525
Chlorodibromomethane	U		0.00103	0.00573	2.04	10/11/2019 06:35	WG1360525
Chloroethane	U		0.00247	0.0115	2.04	10/11/2019 06:35	WG1360525
Chloroform	0.00260	B J	0.000952	0.00573	2.04	10/11/2019 06:35	WG1360525
Chloromethane	U		0.00319	0.0287	2.04	10/11/2019 06:35	WG1360525
2-Chlorotoluene	U		0.00211	0.00573	2.04	10/11/2019 06:35	WG1360525
4-Chlorotoluene	U		0.00260	0.0115	2.04	10/11/2019 06:35	WG1360525
1,2-Dibromo-3-Chloropropane	U		0.0117	0.0573	2.04	10/11/2019 06:35	WG1360525
1,2-Dibromoethane	U		0.00120	0.00573	2.04	10/11/2019 06:35	WG1360525
Dibromomethane	U		0.00229	0.0115	2.04	10/11/2019 06:35	WG1360525
1,2-Dichlorobenzene	U		0.00333	0.0115	2.04	10/11/2019 06:35	WG1360525
1,3-Dichlorobenzene	U		0.00390	0.0115	2.04	10/11/2019 06:35	WG1360525
1,4-Dichlorobenzene	U		0.00452	0.0115	2.04	10/11/2019 06:35	WG1360525
Dichlorodifluoromethane	U		0.00188	0.00573	2.04	10/11/2019 06:35	WG1360525
1,1-Dichloroethane	U		0.00131	0.00573	2.04	10/11/2019 06:35	WG1360525
1,2-Dichloroethane	U		0.00109	0.00573	2.04	10/11/2019 06:35	WG1360525
1,1-Dichloroethene	U		0.00115	0.00573	2.04	10/11/2019 06:35	WG1360525
cis-1,2-Dichloroethene	U		0.00158	0.00573	2.04	10/11/2019 06:35	WG1360525
trans-1,2-Dichloroethene	U		0.00328	0.0115	2.04	10/11/2019 06:35	WG1360525
1,2-Dichloropropane	U		0.00291	0.0115	2.04	10/11/2019 06:35	WG1360525
1,1-Dichloropropene	U		0.00161	0.00573	2.04	10/11/2019 06:35	WG1360525
1,3-Dichloropropane	U		0.00401	0.0115	2.04	10/11/2019 06:35	WG1360525
cis-1,3-Dichloropropene	U		0.00155	0.00573	2.04	10/11/2019 06:35	WG1360525
trans-1,3-Dichloropropene	U		0.00351	0.0115	2.04	10/11/2019 06:35	WG1360525
trans-1,4-Dichloro-2-butene	U		0.00321	0.0115	2.04	10/11/2019 06:35	WG1360525
2,2-Dichloropropane	U		0.00182	0.00573	2.04	10/11/2019 06:35	WG1360525
Di-isopropyl ether	U		0.000802	0.00229	2.04	10/11/2019 06:35	WG1360525
Ethylbenzene	U		0.00121	0.00573	2.04	10/11/2019 06:35	WG1360525
Hexachloro-1,3-butadiene	U		0.0291	0.0573	2.04	10/11/2019 06:35	WG1360525
2-Hexanone	U		0.0229	0.0573	2.04	10/11/2019 06:35	WG1360525
n-Hexane	U		0.00243	0.0115	2.04	10/11/2019 06:35	WG1360525
Iodomethane	U		0.0138	0.0287	2.04	10/11/2019 06:35	WG1360525
Isopropylbenzene	U		0.00198	0.00573	2.04	10/11/2019 06:35	WG1360525
p-Isopropyltoluene	U		0.00534	0.0115	2.04	10/11/2019 06:35	WG1360525
2-Butanone (MEK)	0.0369	B J	0.0287	0.0573	2.04	10/11/2019 06:35	WG1360525
Methylene Chloride	0.0172	B J	0.0152	0.0573	2.04	10/11/2019 06:35	WG1360525
4-Methyl-2-pentanone (MIBK)	U		0.0229	0.0573	2.04	10/11/2019 06:35	WG1360525

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000677	0.00229	2.04	10/11/2019 06:35	WG1360525
Naphthalene	U		0.00715	0.0287	2.04	10/11/2019 06:35	WG1360525
n-Propylbenzene	U		0.00271	0.0115	2.04	10/11/2019 06:35	WG1360525
Styrene	U		0.00626	0.0287	2.04	10/11/2019 06:35	WG1360525
1,1,1,2-Tetrachloroethane	U		0.00115	0.00573	2.04	10/11/2019 06:35	WG1360525
1,1,2,2-Tetrachloroethane	U		0.000895	0.00573	2.04	10/11/2019 06:35	WG1360525
1,1,2-Trichlorotrifluoroethane	U		0.00155	0.00573	2.04	10/11/2019 06:35	WG1360525
Tetrachloroethene	0.0106		0.00161	0.00573	2.04	10/11/2019 06:35	WG1360525
Toluene	0.0548		0.00287	0.0115	2.04	10/11/2019 06:35	WG1360525
1,2,3-Trichlorobenzene	U		0.00144	0.00573	2.04	10/11/2019 06:35	WG1360525
1,2,4-Trichlorobenzene	U		0.0110	0.0287	2.04	10/11/2019 06:35	WG1360525
1,1,1-Trichloroethane	U		0.000630	0.00573	2.04	10/11/2019 06:35	WG1360525
1,1,2-Trichloroethane	U		0.00202	0.00573	2.04	10/11/2019 06:35	WG1360525
Trichloroethene	U		0.000917	0.00229	2.04	10/11/2019 06:35	WG1360525
Trichlorofluoromethane	U		0.00115	0.00573	2.04	10/11/2019 06:35	WG1360525
1,2,3-Trichloropropane	U		0.0117	0.0287	2.04	10/11/2019 06:35	WG1360525
1,2,4-Trimethylbenzene	U		0.00266	0.0115	2.04	10/11/2019 06:35	WG1360525
1,2,3-Trimethylbenzene	U		0.00264	0.0115	2.04	10/11/2019 06:35	WG1360525
1,3,5-Trimethylbenzene	U		0.00247	0.0115	2.04	10/11/2019 06:35	WG1360525
Vinyl acetate	U		0.00807	0.0287	2.04	10/11/2019 06:35	WG1360525
Vinyl chloride	U		0.00156	0.00573	2.04	10/11/2019 06:35	WG1360525
Xylenes, Total	U		0.0110	0.0149	2.04	10/11/2019 06:35	WG1360525
(S) Toluene-d8	*105*			*75.0-131*		*10/11/2019 06:35*	WG1360525
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*10/11/2019 06:35*	WG1360525
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*10/11/2019 06:35*	WG1360525

Sample Narrative:

L1145065-03 WG1360525: Lowest possible dilution due to low sample volume.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.6		1	10/08/2019 11:42	WG1358897

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0155	0.0282	1	10/11/2019 06:56	WG1360525
Acrylonitrile	U		0.00215	0.0141	1	10/11/2019 06:56	WG1360525
Benzene	0.00348		0.000452	0.00113	1	10/11/2019 06:56	WG1360525
Bromobenzene	U		0.00119	0.0141	1	10/11/2019 06:56	WG1360525
Bromodichloromethane	U		0.000890	0.00282	1	10/11/2019 06:56	WG1360525
Bromochloromethane	U		0.00128	0.00565	1	10/11/2019 06:56	WG1360525
Bromoform	U		0.00675	0.0282	1	10/11/2019 06:56	WG1360525
Bromomethane	U		0.00418	0.0141	1	10/11/2019 06:56	WG1360525
n-Butylbenzene	0.00502	J	0.00434	0.0141	1	10/11/2019 06:56	WG1360525
sec-Butylbenzene	U		0.00286	0.0141	1	10/11/2019 06:56	WG1360525
tert-Butylbenzene	U		0.00175	0.00565	1	10/11/2019 06:56	WG1360525
Carbon disulfide	U		0.00458	0.0141	1	10/11/2019 06:56	WG1360525
Carbon tetrachloride	U		0.00122	0.00565	1	10/11/2019 06:56	WG1360525
Chlorobenzene	U		0.000647	0.00282	1	10/11/2019 06:56	WG1360525
Chlorodibromomethane	U		0.000508	0.00282	1	10/11/2019 06:56	WG1360525
Chloroethane	U		0.00122	0.00565	1	10/11/2019 06:56	WG1360525
Chloroform	U		0.000469	0.00282	1	10/11/2019 06:56	WG1360525
Chloromethane	U		0.00157	0.0141	1	10/11/2019 06:56	WG1360525
2-Chlorotoluene	U		0.00104	0.00282	1	10/11/2019 06:56	WG1360525
4-Chlorotoluene	U		0.00128	0.00565	1	10/11/2019 06:56	WG1360525
1,2-Dibromo-3-Chloropropane	U		0.00576	0.0282	1	10/11/2019 06:56	WG1360525
1,2-Dibromoethane	U		0.000593	0.00282	1	10/11/2019 06:56	WG1360525
Dibromomethane	U		0.00113	0.00565	1	10/11/2019 06:56	WG1360525
1,2-Dichlorobenzene	U		0.00164	0.00565	1	10/11/2019 06:56	WG1360525
1,3-Dichlorobenzene	U		0.00192	0.00565	1	10/11/2019 06:56	WG1360525
1,4-Dichlorobenzene	U		0.00222	0.00565	1	10/11/2019 06:56	WG1360525
Dichlorodifluoromethane	U		0.000924	0.00282	1	10/11/2019 06:56	WG1360525
1,1-Dichloroethane	U		0.000649	0.00282	1	10/11/2019 06:56	WG1360525
1,2-Dichloroethane	U		0.000536	0.00282	1	10/11/2019 06:56	WG1360525
1,1-Dichloroethene	U		0.000565	0.00282	1	10/11/2019 06:56	WG1360525
cis-1,2-Dichloroethene	0.000998	J	0.000779	0.00282	1	10/11/2019 06:56	WG1360525
trans-1,2-Dichloroethene	U		0.00161	0.00565	1	10/11/2019 06:56	WG1360525
1,2-Dichloropropane	U		0.00143	0.00565	1	10/11/2019 06:56	WG1360525
1,1-Dichloropropene	U		0.000790	0.00282	1	10/11/2019 06:56	WG1360525
1,3-Dichloropropane	U		0.00198	0.00565	1	10/11/2019 06:56	WG1360525
cis-1,3-Dichloropropene	U		0.000766	0.00282	1	10/11/2019 06:56	WG1360525
trans-1,3-Dichloropropene	U		0.00173	0.00565	1	10/11/2019 06:56	WG1360525
trans-1,4-Dichloro-2-butene	U		0.00158	0.00565	1	10/11/2019 06:56	WG1360525
2,2-Dichloropropane	U		0.000895	0.00282	1	10/11/2019 06:56	WG1360525
Di-isopropyl ether	U		0.000395	0.00113	1	10/11/2019 06:56	WG1360525
Ethylbenzene	0.0194		0.000598	0.00282	1	10/11/2019 06:56	WG1360525
Hexachloro-1,3-butadiene	U		0.0143	0.0282	1	10/11/2019 06:56	WG1360525
2-Hexanone	U		0.0113	0.0282	1	10/11/2019 06:56	WG1360525
n-Hexane	0.0473		0.00120	0.00565	1	10/11/2019 06:56	WG1360525
Iodomethane	U		0.00683	0.0141	1	10/11/2019 06:56	WG1360525
Isopropylbenzene	0.00451		0.000974	0.00282	1	10/11/2019 06:56	WG1360525
p-Isopropyltoluene	0.00307	J	0.00263	0.00565	1	10/11/2019 06:56	WG1360525
2-Butanone (MEK)	U		0.0141	0.0282	1	10/11/2019 06:56	WG1360525
Methylene Chloride	U		0.00750	0.0282	1	10/11/2019 06:56	WG1360525
4-Methyl-2-pentanone (MIBK)	U		0.0113	0.0282	1	10/11/2019 06:56	WG1360525

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000333	0.00113	1	10/11/2019 06:56	WG1360525
Naphthalene	0.00629	J	0.00352	0.0141	1	10/11/2019 06:56	WG1360525
n-Propylbenzene	0.0216		0.00133	0.00565	1	10/11/2019 06:56	WG1360525
Styrene	U		0.00308	0.0141	1	10/11/2019 06:56	WG1360525
1,1,1,2-Tetrachloroethane	U		0.000565	0.00282	1	10/11/2019 06:56	WG1360525
1,1,2,2-Tetrachloroethane	U		0.000440	0.00282	1	10/11/2019 06:56	WG1360525
1,1,2-Trichlorotrifluoroethane	U		0.000762	0.00282	1	10/11/2019 06:56	WG1360525
Tetrachloroethene	U		0.000790	0.00282	1	10/11/2019 06:56	WG1360525
Toluene	0.0313		0.00141	0.00565	1	10/11/2019 06:56	WG1360525
1,2,3-Trichlorobenzene	U		0.000706	0.00282	1	10/11/2019 06:56	WG1360525
1,2,4-Trichlorobenzene	U		0.00544	0.0141	1	10/11/2019 06:56	WG1360525
1,1,1-Trichloroethane	U		0.000311	0.00282	1	10/11/2019 06:56	WG1360525
1,1,2-Trichloroethane	U		0.000997	0.00282	1	10/11/2019 06:56	WG1360525
Trichloroethene	U		0.000452	0.00113	1	10/11/2019 06:56	WG1360525
Trichlorofluoromethane	U		0.000565	0.00282	1	10/11/2019 06:56	WG1360525
1,2,3-Trichloropropane	U		0.00576	0.0141	1	10/11/2019 06:56	WG1360525
1,2,4-Trimethylbenzene	0.0193		0.00131	0.00565	1	10/11/2019 06:56	WG1360525
1,2,3-Trimethylbenzene	0.0136		0.00130	0.00565	1	10/11/2019 06:56	WG1360525
1,3,5-Trimethylbenzene	0.00251	J	0.00122	0.00565	1	10/11/2019 06:56	WG1360525
Vinyl acetate	U		0.00397	0.0141	1	10/11/2019 06:56	WG1360525
Vinyl chloride	U		0.000771	0.00282	1	10/11/2019 06:56	WG1360525
Xylenes, Total	0.0535		0.00540	0.00734	1	10/11/2019 06:56	WG1360525
(S) Toluene-d8	*105*			*75.0-131*		*10/11/2019 06:56*	WG1360525
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*10/11/2019 06:56*	WG1360525
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*10/11/2019 06:56*	WG1360525

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.7		1	10/08/2019 11:42	WG1358897

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0156	0.0285	1	10/11/2019 07:17	WG1360525
Acrylonitrile	U		0.00217	0.0143	1	10/11/2019 07:17	WG1360525
Benzene	U		0.000456	0.00114	1	10/11/2019 07:17	WG1360525
Bromobenzene	U		0.00120	0.0143	1	10/11/2019 07:17	WG1360525
Bromodichloromethane	U		0.000899	0.00285	1	10/11/2019 07:17	WG1360525
Bromochloromethane	U		0.00129	0.00570	1	10/11/2019 07:17	WG1360525
Bromoform	U		0.00682	0.0285	1	10/11/2019 07:17	WG1360525
Bromomethane	U		0.00422	0.0143	1	10/11/2019 07:17	WG1360525
n-Butylbenzene	U		0.00438	0.0143	1	10/11/2019 07:17	WG1360525
sec-Butylbenzene	U		0.00288	0.0143	1	10/11/2019 07:17	WG1360525
tert-Butylbenzene	U		0.00177	0.00570	1	10/11/2019 07:17	WG1360525
Carbon disulfide	U		0.00463	0.0143	1	10/11/2019 07:17	WG1360525
Carbon tetrachloride	U		0.00123	0.00570	1	10/11/2019 07:17	WG1360525
Chlorobenzene	U		0.000653	0.00285	1	10/11/2019 07:17	WG1360525
Chlorodibromomethane	U		0.000513	0.00285	1	10/11/2019 07:17	WG1360525
Chloroethane	U		0.00123	0.00570	1	10/11/2019 07:17	WG1360525
Chloroform	0.000669	B J	0.000473	0.00285	1	10/11/2019 07:17	WG1360525
Chloromethane	U		0.00159	0.0143	1	10/11/2019 07:17	WG1360525
2-Chlorotoluene	U		0.00105	0.00285	1	10/11/2019 07:17	WG1360525
4-Chlorotoluene	U		0.00129	0.00570	1	10/11/2019 07:17	WG1360525
1,2-Dibromo-3-Chloropropane	U		0.00582	0.0285	1	10/11/2019 07:17	WG1360525
1,2-Dibromoethane	U		0.000599	0.00285	1	10/11/2019 07:17	WG1360525
Dibromomethane	U		0.00114	0.00570	1	10/11/2019 07:17	WG1360525
1,2-Dichlorobenzene	U		0.00165	0.00570	1	10/11/2019 07:17	WG1360525
1,3-Dichlorobenzene	U		0.00194	0.00570	1	10/11/2019 07:17	WG1360525
1,4-Dichlorobenzene	U		0.00225	0.00570	1	10/11/2019 07:17	WG1360525
Dichlorodifluoromethane	U		0.000933	0.00285	1	10/11/2019 07:17	WG1360525
1,1-Dichloroethane	U		0.000656	0.00285	1	10/11/2019 07:17	WG1360525
1,2-Dichloroethane	U		0.000542	0.00285	1	10/11/2019 07:17	WG1360525
1,1-Dichloroethene	U		0.000570	0.00285	1	10/11/2019 07:17	WG1360525
cis-1,2-Dichloroethene	0.00136	J	0.000787	0.00285	1	10/11/2019 07:17	WG1360525
trans-1,2-Dichloroethene	U		0.00163	0.00570	1	10/11/2019 07:17	WG1360525
1,2-Dichloropropane	U		0.00145	0.00570	1	10/11/2019 07:17	WG1360525
1,1-Dichloropropene	U		0.000798	0.00285	1	10/11/2019 07:17	WG1360525
1,3-Dichloropropane	U		0.00200	0.00570	1	10/11/2019 07:17	WG1360525
cis-1,3-Dichloropropene	U		0.000773	0.00285	1	10/11/2019 07:17	WG1360525
trans-1,3-Dichloropropene	U		0.00174	0.00570	1	10/11/2019 07:17	WG1360525
trans-1,4-Dichloro-2-butene	U		0.00160	0.00570	1	10/11/2019 07:17	WG1360525
2,2-Dichloropropane	U		0.000904	0.00285	1	10/11/2019 07:17	WG1360525
Di-isopropyl ether	U		0.000399	0.00114	1	10/11/2019 07:17	WG1360525
Ethylbenzene	U		0.000604	0.00285	1	10/11/2019 07:17	WG1360525
Hexachloro-1,3-butadiene	U		0.0145	0.0285	1	10/11/2019 07:17	WG1360525
2-Hexanone	U		0.0114	0.0285	1	10/11/2019 07:17	WG1360525
n-Hexane	U		0.00121	0.00570	1	10/11/2019 07:17	WG1360525
Iodomethane	U		0.00690	0.0143	1	10/11/2019 07:17	WG1360525
Isopropylbenzene	U		0.000984	0.00285	1	10/11/2019 07:17	WG1360525
p-Isopropyltoluene	U		0.00266	0.00570	1	10/11/2019 07:17	WG1360525
2-Butanone (MEK)	0.0187	B J	0.0143	0.0285	1	10/11/2019 07:17	WG1360525
Methylene Chloride	0.00789	B J	0.00757	0.0285	1	10/11/2019 07:17	WG1360525
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0285	1	10/11/2019 07:17	WG1360525

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000336	0.00114	1	10/11/2019 07:17	WG1360525
Naphthalene	U		0.00356	0.0143	1	10/11/2019 07:17	WG1360525
n-Propylbenzene	U		0.00135	0.00570	1	10/11/2019 07:17	WG1360525
Styrene	U		0.00311	0.0143	1	10/11/2019 07:17	WG1360525
1,1,1,2-Tetrachloroethane	U		0.000570	0.00285	1	10/11/2019 07:17	WG1360525
1,1,2,2-Tetrachloroethane	U		0.000445	0.00285	1	10/11/2019 07:17	WG1360525
1,1,2-Trichlorotrifluoroethane	U		0.000770	0.00285	1	10/11/2019 07:17	WG1360525
Tetrachloroethene	U		0.000798	0.00285	1	10/11/2019 07:17	WG1360525
Toluene	0.0107		0.00143	0.00570	1	10/11/2019 07:17	WG1360525
1,2,3-Trichlorobenzene	U		0.000713	0.00285	1	10/11/2019 07:17	WG1360525
1,2,4-Trichlorobenzene	U		0.00550	0.0143	1	10/11/2019 07:17	WG1360525
1,1,1-Trichloroethane	U		0.000314	0.00285	1	10/11/2019 07:17	WG1360525
1,1,2-Trichloroethane	U		0.00101	0.00285	1	10/11/2019 07:17	WG1360525
Trichloroethene	U		0.000456	0.00114	1	10/11/2019 07:17	WG1360525
Trichlorofluoromethane	U		0.000570	0.00285	1	10/11/2019 07:17	WG1360525
1,2,3-Trichloropropane	U		0.00582	0.0143	1	10/11/2019 07:17	WG1360525
1,2,4-Trimethylbenzene	0.00146	J	0.00132	0.00570	1	10/11/2019 07:17	WG1360525
1,2,3-Trimethylbenzene	U		0.00131	0.00570	1	10/11/2019 07:17	WG1360525
1,3,5-Trimethylbenzene	U		0.00123	0.00570	1	10/11/2019 07:17	WG1360525
Vinyl acetate	U		0.00401	0.0143	1	10/11/2019 07:17	WG1360525
Vinyl chloride	U		0.000779	0.00285	1	10/11/2019 07:17	WG1360525
Xylenes, Total	U		0.00545	0.00741	1	10/11/2019 07:17	WG1360525
(S) Toluene-d8	*106*			*75.0-131*		*10/11/2019 07:17*	WG1360525
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*10/11/2019 07:17*	WG1360525
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*10/11/2019 07:17*	WG1360525

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.2		1	10/08/2019 11:42	WG1358897

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0460	J	0.0291	0.0531	2	10/11/2019 07:38	WG1360525
Acrylonitrile	U		0.00404	0.0265	2	10/11/2019 07:38	WG1360525
Benzene	U		0.000850	0.00212	2	10/11/2019 07:38	WG1360525
Bromobenzene	U		0.00223	0.0265	2	10/11/2019 07:38	WG1360525
Bromodichloromethane	U		0.00168	0.00531	2	10/11/2019 07:38	WG1360525
Bromochloromethane	U		0.00240	0.0106	2	10/11/2019 07:38	WG1360525
Bromoform	U		0.0127	0.0531	2	10/11/2019 07:38	WG1360525
Bromomethane	U		0.00786	0.0265	2	10/11/2019 07:38	WG1360525
n-Butylbenzene	U		0.00816	0.0265	2	10/11/2019 07:38	WG1360525
sec-Butylbenzene	U		0.00537	0.0265	2	10/11/2019 07:38	WG1360525
tert-Butylbenzene	U		0.00329	0.0106	2	10/11/2019 07:38	WG1360525
Carbon disulfide	U		0.00862	0.0265	2	10/11/2019 07:38	WG1360525
Carbon tetrachloride	U		0.00229	0.0106	2	10/11/2019 07:38	WG1360525
Chlorobenzene	U		0.00122	0.00531	2	10/11/2019 07:38	WG1360525
Chlorodibromomethane	U		0.000956	0.00531	2	10/11/2019 07:38	WG1360525
Chloroethane	U		0.00229	0.0106	2	10/11/2019 07:38	WG1360525
Chloroform	0.00143	B J	0.000881	0.00531	2	10/11/2019 07:38	WG1360525
Chloromethane	U		0.00295	0.0265	2	10/11/2019 07:38	WG1360525
2-Chlorotoluene	U		0.00195	0.00531	2	10/11/2019 07:38	WG1360525
4-Chlorotoluene	U		0.00240	0.0106	2	10/11/2019 07:38	WG1360525
1,2-Dibromo-3-Chloropropane	U		0.0108	0.0531	2	10/11/2019 07:38	WG1360525
1,2-Dibromoethane	U		0.00112	0.00531	2	10/11/2019 07:38	WG1360525
Dibromomethane	U		0.00212	0.0106	2	10/11/2019 07:38	WG1360525
1,2-Dichlorobenzene	U		0.00308	0.0106	2	10/11/2019 07:38	WG1360525
1,3-Dichlorobenzene	U		0.00361	0.0106	2	10/11/2019 07:38	WG1360525
1,4-Dichlorobenzene	U		0.00418	0.0106	2	10/11/2019 07:38	WG1360525
Dichlorodifluoromethane	U		0.00174	0.00531	2	10/11/2019 07:38	WG1360525
1,1-Dichloroethane	U		0.00122	0.00531	2	10/11/2019 07:38	WG1360525
1,2-Dichloroethane	U		0.00101	0.00531	2	10/11/2019 07:38	WG1360525
1,1-Dichloroethene	U		0.00106	0.00531	2	10/11/2019 07:38	WG1360525
cis-1,2-Dichloroethene	0.00335	J	0.00147	0.00531	2	10/11/2019 07:38	WG1360525
trans-1,2-Dichloroethene	U		0.00304	0.0106	2	10/11/2019 07:38	WG1360525
1,2-Dichloropropane	U		0.00270	0.0106	2	10/11/2019 07:38	WG1360525
1,1-Dichloropropene	U		0.00149	0.00531	2	10/11/2019 07:38	WG1360525
1,3-Dichloropropane	U		0.00372	0.0106	2	10/11/2019 07:38	WG1360525
cis-1,3-Dichloropropene	U		0.00144	0.00531	2	10/11/2019 07:38	WG1360525
trans-1,3-Dichloropropene	U		0.00325	0.0106	2	10/11/2019 07:38	WG1360525
trans-1,4-Dichloro-2-butene	U		0.00297	0.0106	2	10/11/2019 07:38	WG1360525
2,2-Dichloropropane	U		0.00169	0.00531	2	10/11/2019 07:38	WG1360525
Di-isopropyl ether	U		0.000743	0.00212	2	10/11/2019 07:38	WG1360525
Ethylbenzene	U		0.00113	0.00531	2	10/11/2019 07:38	WG1360525
Hexachloro-1,3-butadiene	U		0.0270	0.0531	2	10/11/2019 07:38	WG1360525
2-Hexanone	U		0.0212	0.0531	2	10/11/2019 07:38	WG1360525
n-Hexane	U		0.00225	0.0106	2	10/11/2019 07:38	WG1360525
Iodomethane	U		0.0128	0.0265	2	10/11/2019 07:38	WG1360525
Isopropylbenzene	U		0.00184	0.00531	2	10/11/2019 07:38	WG1360525
p-Isopropyltoluene	U		0.00495	0.0106	2	10/11/2019 07:38	WG1360525
2-Butanone (MEK)	U		0.0265	0.0531	2	10/11/2019 07:38	WG1360525
Methylene Chloride	0.0142	B J	0.0141	0.0531	2	10/11/2019 07:38	WG1360525
4-Methyl-2-pentanone (MIBK)	U		0.0212	0.0531	2	10/11/2019 07:38	WG1360525

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000627	0.00212	2	10/11/2019 07:38	WG1360525
Naphthalene	U		0.00663	0.0265	2	10/11/2019 07:38	WG1360525
n-Propylbenzene	U		0.00251	0.0106	2	10/11/2019 07:38	WG1360525
Styrene	U		0.00580	0.0265	2	10/11/2019 07:38	WG1360525
1,1,1,2-Tetrachloroethane	U		0.00106	0.00531	2	10/11/2019 07:38	WG1360525
1,1,2,2-Tetrachloroethane	U		0.000828	0.00531	2	10/11/2019 07:38	WG1360525
1,1,2-Trichlorotrifluoroethane	U		0.00143	0.00531	2	10/11/2019 07:38	WG1360525
Tetrachloroethene	U		0.00149	0.00531	2	10/11/2019 07:38	WG1360525
Toluene	0.0475		0.00265	0.0106	2	10/11/2019 07:38	WG1360525
1,2,3-Trichlorobenzene	U		0.00133	0.00531	2	10/11/2019 07:38	WG1360525
1,2,4-Trichlorobenzene	U		0.0102	0.0265	2	10/11/2019 07:38	WG1360525
1,1,1-Trichloroethane	U		0.000584	0.00531	2	10/11/2019 07:38	WG1360525
1,1,2-Trichloroethane	U		0.00188	0.00531	2	10/11/2019 07:38	WG1360525
Trichloroethene	U		0.000850	0.00212	2	10/11/2019 07:38	WG1360525
Trichlorofluoromethane	U		0.00106	0.00531	2	10/11/2019 07:38	WG1360525
1,2,3-Trichloropropane	U		0.0108	0.0265	2	10/11/2019 07:38	WG1360525
1,2,4-Trimethylbenzene	U		0.00246	0.0106	2	10/11/2019 07:38	WG1360525
1,2,3-Trimethylbenzene	U		0.00244	0.0106	2	10/11/2019 07:38	WG1360525
1,3,5-Trimethylbenzene	U		0.00229	0.0106	2	10/11/2019 07:38	WG1360525
Vinyl acetate	U		0.00748	0.0265	2	10/11/2019 07:38	WG1360525
Vinyl chloride	U		0.00145	0.00531	2	10/11/2019 07:38	WG1360525
Xylenes, Total	U		0.0102	0.0138	2	10/11/2019 07:38	WG1360525
(S) Toluene-d8	*104*			*75.0-131*		*10/11/2019 07:38*	WG1360525
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*10/11/2019 07:38*	WG1360525
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*		*10/11/2019 07:38*	WG1360525

Sample Narrative:

L1145065-06 WG1360525: Lowest possible dilution due to low sample volume.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.8		1	10/08/2019 11:42	WG1358897

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0190	J	0.0176	0.0321	1	10/11/2019 07:59	WG1360525
Acrylonitrile	U		0.00244	0.0161	1	10/11/2019 07:59	WG1360525
Benzene	U		0.000514	0.00129	1	10/11/2019 07:59	WG1360525
Bromobenzene	U		0.00135	0.0161	1	10/11/2019 07:59	WG1360525
Bromodichloromethane	U		0.00101	0.00321	1	10/11/2019 07:59	WG1360525
Bromochloromethane	U		0.00145	0.00643	1	10/11/2019 07:59	WG1360525
Bromoform	U		0.00769	0.0321	1	10/11/2019 07:59	WG1360525
Bromomethane	U		0.00476	0.0161	1	10/11/2019 07:59	WG1360525
n-Butylbenzene	U		0.00494	0.0161	1	10/11/2019 07:59	WG1360525
sec-Butylbenzene	U		0.00325	0.0161	1	10/11/2019 07:59	WG1360525
tert-Butylbenzene	U		0.00199	0.00643	1	10/11/2019 07:59	WG1360525
Carbon disulfide	U		0.00522	0.0161	1	10/11/2019 07:59	WG1360525
Carbon tetrachloride	U		0.00139	0.00643	1	10/11/2019 07:59	WG1360525
Chlorobenzene	U		0.000736	0.00321	1	10/11/2019 07:59	WG1360525
Chlorodibromomethane	U		0.000578	0.00321	1	10/11/2019 07:59	WG1360525
Chloroethane	U		0.00139	0.00643	1	10/11/2019 07:59	WG1360525
Chloroform	0.000952	B J	0.000533	0.00321	1	10/11/2019 07:59	WG1360525
Chloromethane	U		0.00179	0.0161	1	10/11/2019 07:59	WG1360525
2-Chlorotoluene	U		0.00118	0.00321	1	10/11/2019 07:59	WG1360525
4-Chlorotoluene	U		0.00145	0.00643	1	10/11/2019 07:59	WG1360525
1,2-Dibromo-3-Chloropropane	U		0.00655	0.0321	1	10/11/2019 07:59	WG1360525
1,2-Dibromoethane	U		0.000675	0.00321	1	10/11/2019 07:59	WG1360525
Dibromomethane	U		0.00129	0.00643	1	10/11/2019 07:59	WG1360525
1,2-Dichlorobenzene	U		0.00186	0.00643	1	10/11/2019 07:59	WG1360525
1,3-Dichlorobenzene	U		0.00218	0.00643	1	10/11/2019 07:59	WG1360525
1,4-Dichlorobenzene	U		0.00253	0.00643	1	10/11/2019 07:59	WG1360525
Dichlorodifluoromethane	U		0.00105	0.00321	1	10/11/2019 07:59	WG1360525
1,1-Dichloroethane	U		0.000739	0.00321	1	10/11/2019 07:59	WG1360525
1,2-Dichloroethane	U		0.000611	0.00321	1	10/11/2019 07:59	WG1360525
1,1-Dichloroethene	U		0.000643	0.00321	1	10/11/2019 07:59	WG1360525
cis-1,2-Dichloroethene	0.00305	J	0.000887	0.00321	1	10/11/2019 07:59	WG1360525
trans-1,2-Dichloroethene	U		0.00184	0.00643	1	10/11/2019 07:59	WG1360525
1,2-Dichloropropane	U		0.00163	0.00643	1	10/11/2019 07:59	WG1360525
1,1-Dichloropropene	U		0.000900	0.00321	1	10/11/2019 07:59	WG1360525
1,3-Dichloropropane	U		0.00225	0.00643	1	10/11/2019 07:59	WG1360525
cis-1,3-Dichloropropene	U		0.000871	0.00321	1	10/11/2019 07:59	WG1360525
trans-1,3-Dichloropropene	U		0.00197	0.00643	1	10/11/2019 07:59	WG1360525
trans-1,4-Dichloro-2-butene	U		0.00180	0.00643	1	10/11/2019 07:59	WG1360525
2,2-Dichloropropane	U		0.00102	0.00321	1	10/11/2019 07:59	WG1360525
Di-isopropyl ether	U		0.000450	0.00129	1	10/11/2019 07:59	WG1360525
Ethylbenzene	U		0.000681	0.00321	1	10/11/2019 07:59	WG1360525
Hexachloro-1,3-butadiene	U		0.0163	0.0321	1	10/11/2019 07:59	WG1360525
2-Hexanone	U		0.0129	0.0321	1	10/11/2019 07:59	WG1360525
n-Hexane	U		0.00136	0.00643	1	10/11/2019 07:59	WG1360525
Iodomethane	U		0.00778	0.0161	1	10/11/2019 07:59	WG1360525
Isopropylbenzene	U		0.00111	0.00321	1	10/11/2019 07:59	WG1360525
p-Isopropyltoluene	U		0.00299	0.00643	1	10/11/2019 07:59	WG1360525
2-Butanone (MEK)	0.0204	B J	0.0161	0.0321	1	10/11/2019 07:59	WG1360525
Methylene Chloride	0.00906	B J	0.00853	0.0321	1	10/11/2019 07:59	WG1360525
4-Methyl-2-pentanone (MIBK)	U		0.0129	0.0321	1	10/11/2019 07:59	WG1360525

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000379	0.00129	1	10/11/2019 07:59	WG1360525
Naphthalene	U		0.00401	0.0161	1	10/11/2019 07:59	WG1360525
n-Propylbenzene	U		0.00152	0.00643	1	10/11/2019 07:59	WG1360525
Styrene	U		0.00351	0.0161	1	10/11/2019 07:59	WG1360525
1,1,1,2-Tetrachloroethane	U		0.000643	0.00321	1	10/11/2019 07:59	WG1360525
1,1,2,2-Tetrachloroethane	U		0.000501	0.00321	1	10/11/2019 07:59	WG1360525
1,1,2-Trichlorotrifluoroethane	U		0.000868	0.00321	1	10/11/2019 07:59	WG1360525
Tetrachloroethene	U		0.000900	0.00321	1	10/11/2019 07:59	WG1360525
Toluene	0.0141		0.00161	0.00643	1	10/11/2019 07:59	WG1360525
1,2,3-Trichlorobenzene	U		0.000803	0.00321	1	10/11/2019 07:59	WG1360525
1,2,4-Trichlorobenzene	U		0.00620	0.0161	1	10/11/2019 07:59	WG1360525
1,1,1-Trichloroethane	U		0.000353	0.00321	1	10/11/2019 07:59	WG1360525
1,1,2-Trichloroethane	U		0.00113	0.00321	1	10/11/2019 07:59	WG1360525
Trichloroethene	U		0.000514	0.00129	1	10/11/2019 07:59	WG1360525
Trichlorofluoromethane	U		0.000643	0.00321	1	10/11/2019 07:59	WG1360525
1,2,3-Trichloropropane	U		0.00655	0.0161	1	10/11/2019 07:59	WG1360525
1,2,4-Trimethylbenzene	U		0.00149	0.00643	1	10/11/2019 07:59	WG1360525
1,2,3-Trimethylbenzene	U		0.00148	0.00643	1	10/11/2019 07:59	WG1360525
1,3,5-Trimethylbenzene	U		0.00139	0.00643	1	10/11/2019 07:59	WG1360525
Vinyl acetate	U		0.00452	0.0161	1	10/11/2019 07:59	WG1360525
Vinyl chloride	U		0.000878	0.00321	1	10/11/2019 07:59	WG1360525
Xylenes, Total	U		0.00614	0.00835	1	10/11/2019 07:59	WG1360525
(S) Toluene-d8	*105*			*75.0-131*		*10/11/2019 07:59*	WG1360525
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*10/11/2019 07:59*	WG1360525
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*		*10/11/2019 07:59*	WG1360525

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.9		1	10/08/2019 11:42	WG1358897

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0176	0.0321	1	10/11/2019 08:20	WG1360525
Acrylonitrile	U		0.00244	0.0161	1	10/11/2019 08:20	WG1360525
Benzene	U		0.000514	0.00128	1	10/11/2019 08:20	WG1360525
Bromobenzene	U		0.00135	0.0161	1	10/11/2019 08:20	WG1360525
Bromodichloromethane	U		0.00101	0.00321	1	10/11/2019 08:20	WG1360525
Bromochloromethane	U		0.00145	0.00642	1	10/11/2019 08:20	WG1360525
Bromoform	U		0.00768	0.0321	1	10/11/2019 08:20	WG1360525
Bromomethane	U		0.00475	0.0161	1	10/11/2019 08:20	WG1360525
n-Butylbenzene	U		0.00493	0.0161	1	10/11/2019 08:20	WG1360525
sec-Butylbenzene	U		0.00325	0.0161	1	10/11/2019 08:20	WG1360525
tert-Butylbenzene	U		0.00199	0.00642	1	10/11/2019 08:20	WG1360525
Carbon disulfide	U		0.00521	0.0161	1	10/11/2019 08:20	WG1360525
Carbon tetrachloride	U		0.00139	0.00642	1	10/11/2019 08:20	WG1360525
Chlorobenzene	U		0.000736	0.00321	1	10/11/2019 08:20	WG1360525
Chlorodibromomethane	U		0.000578	0.00321	1	10/11/2019 08:20	WG1360525
Chloroethane	U		0.00139	0.00642	1	10/11/2019 08:20	WG1360525
Chloroform	0.000690	B J	0.000533	0.00321	1	10/11/2019 08:20	WG1360525
Chloromethane	U		0.00178	0.0161	1	10/11/2019 08:20	WG1360525
2-Chlorotoluene	U		0.00118	0.00321	1	10/11/2019 08:20	WG1360525
4-Chlorotoluene	U		0.00145	0.00642	1	10/11/2019 08:20	WG1360525
1,2-Dibromo-3-Chloropropane	U		0.00655	0.0321	1	10/11/2019 08:20	WG1360525
1,2-Dibromoethane	U		0.000674	0.00321	1	10/11/2019 08:20	WG1360525
Dibromomethane	U		0.00128	0.00642	1	10/11/2019 08:20	WG1360525
1,2-Dichlorobenzene	U		0.00186	0.00642	1	10/11/2019 08:20	WG1360525
1,3-Dichlorobenzene	U		0.00218	0.00642	1	10/11/2019 08:20	WG1360525
1,4-Dichlorobenzene	U		0.00253	0.00642	1	10/11/2019 08:20	WG1360525
Dichlorodifluoromethane	U		0.00105	0.00321	1	10/11/2019 08:20	WG1360525
1,1-Dichloroethane	U		0.000738	0.00321	1	10/11/2019 08:20	WG1360525
1,2-Dichloroethane	U		0.000610	0.00321	1	10/11/2019 08:20	WG1360525
1,1-Dichloroethene	U		0.000642	0.00321	1	10/11/2019 08:20	WG1360525
cis-1,2-Dichloroethene	0.00321	J	0.000886	0.00321	1	10/11/2019 08:20	WG1360525
trans-1,2-Dichloroethene	U		0.00184	0.00642	1	10/11/2019 08:20	WG1360525
1,2-Dichloropropane	U		0.00163	0.00642	1	10/11/2019 08:20	WG1360525
1,1-Dichloropropene	U		0.000899	0.00321	1	10/11/2019 08:20	WG1360525
1,3-Dichloropropane	U		0.00225	0.00642	1	10/11/2019 08:20	WG1360525
cis-1,3-Dichloropropene	U		0.000871	0.00321	1	10/11/2019 08:20	WG1360525
trans-1,3-Dichloropropene	U		0.00196	0.00642	1	10/11/2019 08:20	WG1360525
trans-1,4-Dichloro-2-butene	U		0.00180	0.00642	1	10/11/2019 08:20	WG1360525
2,2-Dichloropropane	U		0.00102	0.00321	1	10/11/2019 08:20	WG1360525
Di-isopropyl ether	U		0.000449	0.00128	1	10/11/2019 08:20	WG1360525
Ethylbenzene	U		0.000681	0.00321	1	10/11/2019 08:20	WG1360525
Hexachloro-1,3-butadiene	U		0.0163	0.0321	1	10/11/2019 08:20	WG1360525
2-Hexanone	U		0.0128	0.0321	1	10/11/2019 08:20	WG1360525
n-Hexane	0.00998		0.00136	0.00642	1	10/11/2019 08:20	WG1360525
Iodomethane	U		0.00777	0.0161	1	10/11/2019 08:20	WG1360525
Isopropylbenzene	U		0.00111	0.00321	1	10/11/2019 08:20	WG1360525
p-Isopropyltoluene	U		0.00299	0.00642	1	10/11/2019 08:20	WG1360525
2-Butanone (MEK)	0.0176	B J	0.0161	0.0321	1	10/11/2019 08:20	WG1360525
Methylene Chloride	0.00984	B J	0.00853	0.0321	1	10/11/2019 08:20	WG1360525
4-Methyl-2-pentanone (MIBK)	U		0.0128	0.0321	1	10/11/2019 08:20	WG1360525

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000379	0.00128	1	10/11/2019 08:20	WG1360525
Naphthalene	U		0.00401	0.0161	1	10/11/2019 08:20	WG1360525
n-Propylbenzene	U		0.00152	0.00642	1	10/11/2019 08:20	WG1360525
Styrene	U		0.00351	0.0161	1	10/11/2019 08:20	WG1360525
1,1,1,2-Tetrachloroethane	U		0.000642	0.00321	1	10/11/2019 08:20	WG1360525
1,1,2,2-Tetrachloroethane	U		0.000501	0.00321	1	10/11/2019 08:20	WG1360525
1,1,2-Trichlorotrifluoroethane	U		0.000867	0.00321	1	10/11/2019 08:20	WG1360525
Tetrachloroethene	U		0.000899	0.00321	1	10/11/2019 08:20	WG1360525
Toluene	0.0104		0.00161	0.00642	1	10/11/2019 08:20	WG1360525
1,2,3-Trichlorobenzene	U		0.000803	0.00321	1	10/11/2019 08:20	WG1360525
1,2,4-Trichlorobenzene	U		0.00619	0.0161	1	10/11/2019 08:20	WG1360525
1,1,1-Trichloroethane	U		0.000353	0.00321	1	10/11/2019 08:20	WG1360525
1,1,2-Trichloroethane	U		0.00113	0.00321	1	10/11/2019 08:20	WG1360525
Trichloroethene	U		0.000514	0.00128	1	10/11/2019 08:20	WG1360525
Trichlorofluoromethane	U		0.000642	0.00321	1	10/11/2019 08:20	WG1360525
1,2,3-Trichloropropane	U		0.00655	0.0161	1	10/11/2019 08:20	WG1360525
1,2,4-Trimethylbenzene	U		0.00149	0.00642	1	10/11/2019 08:20	WG1360525
1,2,3-Trimethylbenzene	U		0.00148	0.00642	1	10/11/2019 08:20	WG1360525
1,3,5-Trimethylbenzene	U		0.00139	0.00642	1	10/11/2019 08:20	WG1360525
Vinyl acetate	U		0.00452	0.0161	1	10/11/2019 08:20	WG1360525
Vinyl chloride	U		0.000877	0.00321	1	10/11/2019 08:20	WG1360525
Xylenes, Total	U		0.00614	0.00835	1	10/11/2019 08:20	WG1360525
(S) Toluene-d8	*104*			*75.0-131*		*10/11/2019 08:20*	WG1360525
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*		*10/11/2019 08:20*	WG1360525
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*		*10/11/2019 08:20*	WG1360525

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.2		1	10/08/2019 11:42	WG1358897

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0209	J	0.0175	0.0320	1	10/11/2019 10:08	WG1360525
Acrylonitrile	U		0.00243	0.0160	1	10/11/2019 10:08	WG1360525
Benzene	U		0.000512	0.00128	1	10/11/2019 10:08	WG1360525
Bromobenzene	U		0.00134	0.0160	1	10/11/2019 10:08	WG1360525
Bromodichloromethane	U		0.00101	0.00320	1	10/11/2019 10:08	WG1360525
Bromochloromethane	U		0.00145	0.00640	1	10/11/2019 10:08	WG1360525
Bromoform	U		0.00765	0.0320	1	10/11/2019 10:08	WG1360525
Bromomethane	U		0.00473	0.0160	1	10/11/2019 10:08	WG1360525
n-Butylbenzene	U		0.00491	0.0160	1	10/11/2019 10:08	WG1360525
sec-Butylbenzene	U		0.00324	0.0160	1	10/11/2019 10:08	WG1360525
tert-Butylbenzene	U		0.00198	0.00640	1	10/11/2019 10:08	WG1360525
Carbon disulfide	U		0.00519	0.0160	1	10/11/2019 10:08	WG1360525
Carbon tetrachloride	U		0.00138	0.00640	1	10/11/2019 10:08	WG1360525
Chlorobenzene	U		0.000733	0.00320	1	10/11/2019 10:08	WG1360525
Chlorodibromomethane	U		0.000576	0.00320	1	10/11/2019 10:08	WG1360525
Chloroethane	U		0.00138	0.00640	1	10/11/2019 10:08	WG1360525
Chloroform	U		0.000531	0.00320	1	10/11/2019 10:08	WG1360525
Chloromethane	U		0.00178	0.0160	1	10/11/2019 10:08	WG1360525
2-Chlorotoluene	U		0.00118	0.00320	1	10/11/2019 10:08	WG1360525
4-Chlorotoluene	U		0.00145	0.00640	1	10/11/2019 10:08	WG1360525
1,2-Dibromo-3-Chloropropane	U		0.00652	0.0320	1	10/11/2019 10:08	WG1360525
1,2-Dibromoethane	U		0.000672	0.00320	1	10/11/2019 10:08	WG1360525
Dibromomethane	U		0.00128	0.00640	1	10/11/2019 10:08	WG1360525
1,2-Dichlorobenzene	U		0.00186	0.00640	1	10/11/2019 10:08	WG1360525
1,3-Dichlorobenzene	U		0.00217	0.00640	1	10/11/2019 10:08	WG1360525
1,4-Dichlorobenzene	U		0.00252	0.00640	1	10/11/2019 10:08	WG1360525
Dichlorodifluoromethane	U		0.00105	0.00320	1	10/11/2019 10:08	WG1360525
1,1-Dichloroethane	U		0.000736	0.00320	1	10/11/2019 10:08	WG1360525
1,2-Dichloroethane	U		0.000608	0.00320	1	10/11/2019 10:08	WG1360525
1,1-Dichloroethene	U		0.000640	0.00320	1	10/11/2019 10:08	WG1360525
cis-1,2-Dichloroethene	U		0.000883	0.00320	1	10/11/2019 10:08	WG1360525
trans-1,2-Dichloroethene	U		0.00183	0.00640	1	10/11/2019 10:08	WG1360525
1,2-Dichloropropane	U		0.00162	0.00640	1	10/11/2019 10:08	WG1360525
1,1-Dichloropropene	U		0.000896	0.00320	1	10/11/2019 10:08	WG1360525
1,3-Dichloropropane	U		0.00224	0.00640	1	10/11/2019 10:08	WG1360525
cis-1,3-Dichloropropene	U		0.000867	0.00320	1	10/11/2019 10:08	WG1360525
trans-1,3-Dichloropropene	U		0.00196	0.00640	1	10/11/2019 10:08	WG1360525
trans-1,4-Dichloro-2-butene	U		0.00179	0.00640	1	10/11/2019 10:08	WG1360525
2,2-Dichloropropane	U		0.00101	0.00320	1	10/11/2019 10:08	WG1360525
Di-isopropyl ether	U		0.000448	0.00128	1	10/11/2019 10:08	WG1360525
Ethylbenzene	U		0.000678	0.00320	1	10/11/2019 10:08	WG1360525
Hexachloro-1,3-butadiene	U		0.0162	0.0320	1	10/11/2019 10:08	WG1360525
2-Hexanone	U		0.0128	0.0320	1	10/11/2019 10:08	WG1360525
n-Hexane	0.0265		0.00136	0.00640	1	10/11/2019 10:08	WG1360525
Iodomethane	U		0.00774	0.0160	1	10/11/2019 10:08	WG1360525
Isopropylbenzene	U		0.00110	0.00320	1	10/11/2019 10:08	WG1360525
p-Isopropyltoluene	U		0.00298	0.00640	1	10/11/2019 10:08	WG1360525
2-Butanone (MEK)	0.0179	B J	0.0160	0.0320	1	10/11/2019 10:08	WG1360525
Methylene Chloride	U		0.00850	0.0320	1	10/11/2019 10:08	WG1360525
4-Methyl-2-pentanone (MIBK)	U		0.0128	0.0320	1	10/11/2019 10:08	WG1360525

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

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	0.00128	1	10/11/2019 10:08	WG1360525
Naphthalene	0.0120	J	0.00399	0.0160	1	10/11/2019 10:08	WG1360525
n-Propylbenzene	U		0.00151	0.00640	1	10/11/2019 10:08	WG1360525
Styrene	U		0.00349	0.0160	1	10/11/2019 10:08	WG1360525
1,1,1,2-Tetrachloroethane	U		0.000640	0.00320	1	10/11/2019 10:08	WG1360525
1,1,2,2-Tetrachloroethane	U		0.000499	0.00320	1	10/11/2019 10:08	WG1360525
1,1,2-Trichlorotrifluoroethane	U		0.000864	0.00320	1	10/11/2019 10:08	WG1360525
Tetrachloroethene	U		0.000896	0.00320	1	10/11/2019 10:08	WG1360525
Toluene	0.0145		0.00160	0.00640	1	10/11/2019 10:08	WG1360525
1,2,3-Trichlorobenzene	U		0.000800	0.00320	1	10/11/2019 10:08	WG1360525
1,2,4-Trichlorobenzene	U		0.00617	0.0160	1	10/11/2019 10:08	WG1360525
1,1,1-Trichloroethane	U		0.000352	0.00320	1	10/11/2019 10:08	WG1360525
1,1,2-Trichloroethane	U		0.00113	0.00320	1	10/11/2019 10:08	WG1360525
Trichloroethene	U		0.000512	0.00128	1	10/11/2019 10:08	WG1360525
Trichlorofluoromethane	U		0.000640	0.00320	1	10/11/2019 10:08	WG1360525
1,2,3-Trichloropropane	U		0.00652	0.0160	1	10/11/2019 10:08	WG1360525
1,2,4-Trimethylbenzene	U		0.00148	0.00640	1	10/11/2019 10:08	WG1360525
1,2,3-Trimethylbenzene	U		0.00147	0.00640	1	10/11/2019 10:08	WG1360525
1,3,5-Trimethylbenzene	U		0.00138	0.00640	1	10/11/2019 10:08	WG1360525
Vinyl acetate	U		0.00450	0.0160	1	10/11/2019 10:08	WG1360525
Vinyl chloride	U		0.000874	0.00320	1	10/11/2019 10:08	WG1360525
Xylenes, Total	U		0.00612	0.00832	1	10/11/2019 10:08	WG1360525
(S) Toluene-d8	*105*			*75.0-131*		*10/11/2019 10:08*	WG1360525
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*10/11/2019 10:08*	WG1360525
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*		*10/11/2019 10:08*	WG1360525

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	10/08/2019 11:27	WG1358898

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0295		0.0158	0.0288	1	10/11/2019 10:29	WG1360525
Acrylonitrile	U		0.00219	0.0144	1	10/11/2019 10:29	WG1360525
Benzene	0.000730	J	0.000460	0.00115	1	10/11/2019 10:29	WG1360525
Bromobenzene	U		0.00121	0.0144	1	10/11/2019 10:29	WG1360525
Bromodichloromethane	U		0.000907	0.00288	1	10/11/2019 10:29	WG1360525
Bromochloromethane	U		0.00130	0.00575	1	10/11/2019 10:29	WG1360525
Bromoform	U		0.00688	0.0288	1	10/11/2019 10:29	WG1360525
Bromomethane	U		0.00426	0.0144	1	10/11/2019 10:29	WG1360525
n-Butylbenzene	U		0.00442	0.0144	1	10/11/2019 10:29	WG1360525
sec-Butylbenzene	U		0.00291	0.0144	1	10/11/2019 10:29	WG1360525
tert-Butylbenzene	U		0.00178	0.00575	1	10/11/2019 10:29	WG1360525
Carbon disulfide	U		0.00467	0.0144	1	10/11/2019 10:29	WG1360525
Carbon tetrachloride	U		0.00124	0.00575	1	10/11/2019 10:29	WG1360525
Chlorobenzene	U		0.000660	0.00288	1	10/11/2019 10:29	WG1360525
Chlorodibromomethane	U		0.000518	0.00288	1	10/11/2019 10:29	WG1360525
Chloroethane	U		0.00124	0.00575	1	10/11/2019 10:29	WG1360525
Chloroform	U		0.000478	0.00288	1	10/11/2019 10:29	WG1360525
Chloromethane	U		0.00160	0.0144	1	10/11/2019 10:29	WG1360525
2-Chlorotoluene	U		0.00106	0.00288	1	10/11/2019 10:29	WG1360525
4-Chlorotoluene	U		0.00130	0.00575	1	10/11/2019 10:29	WG1360525
1,2-Dibromo-3-Chloropropane	U		0.00587	0.0288	1	10/11/2019 10:29	WG1360525
1,2-Dibromoethane	U		0.000604	0.00288	1	10/11/2019 10:29	WG1360525
Dibromomethane	U		0.00115	0.00575	1	10/11/2019 10:29	WG1360525
1,2-Dichlorobenzene	U		0.00167	0.00575	1	10/11/2019 10:29	WG1360525
1,3-Dichlorobenzene	U		0.00196	0.00575	1	10/11/2019 10:29	WG1360525
1,4-Dichlorobenzene	U		0.00227	0.00575	1	10/11/2019 10:29	WG1360525
Dichlorodifluoromethane	U		0.000942	0.00288	1	10/11/2019 10:29	WG1360525
1,1-Dichloroethane	U		0.000662	0.00288	1	10/11/2019 10:29	WG1360525
1,2-Dichloroethane	U		0.000547	0.00288	1	10/11/2019 10:29	WG1360525
1,1-Dichloroethene	U		0.000575	0.00288	1	10/11/2019 10:29	WG1360525
cis-1,2-Dichloroethene	0.00257	J	0.000794	0.00288	1	10/11/2019 10:29	WG1360525
trans-1,2-Dichloroethene	U		0.00165	0.00575	1	10/11/2019 10:29	WG1360525
1,2-Dichloropropane	U		0.00146	0.00575	1	10/11/2019 10:29	WG1360525
1,1-Dichloropropene	U		0.000806	0.00288	1	10/11/2019 10:29	WG1360525
1,3-Dichloropropane	U		0.00201	0.00575	1	10/11/2019 10:29	WG1360525
cis-1,3-Dichloropropene	U		0.000780	0.00288	1	10/11/2019 10:29	WG1360525
trans-1,3-Dichloropropene	U		0.00176	0.00575	1	10/11/2019 10:29	WG1360525
trans-1,4-Dichloro-2-butene	U		0.00161	0.00575	1	10/11/2019 10:29	WG1360525
2,2-Dichloropropane	U		0.000913	0.00288	1	10/11/2019 10:29	WG1360525
Di-isopropyl ether	U		0.000403	0.00115	1	10/11/2019 10:29	WG1360525
Ethylbenzene	U		0.000610	0.00288	1	10/11/2019 10:29	WG1360525
Hexachloro-1,3-butadiene	U		0.0146	0.0288	1	10/11/2019 10:29	WG1360525
2-Hexanone	U		0.0115	0.0288	1	10/11/2019 10:29	WG1360525
n-Hexane	0.0373		0.00122	0.00575	1	10/11/2019 10:29	WG1360525
Iodomethane	U		0.00696	0.0144	1	10/11/2019 10:29	WG1360525
Isopropylbenzene	U		0.000993	0.00288	1	10/11/2019 10:29	WG1360525
p-Isopropyltoluene	U		0.00268	0.00575	1	10/11/2019 10:29	WG1360525
2-Butanone (MEK)	0.0208	B J	0.0144	0.0288	1	10/11/2019 10:29	WG1360525
Methylene Chloride	U		0.00764	0.0288	1	10/11/2019 10:29	WG1360525
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0288	1	10/11/2019 10:29	WG1360525

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000340	0.00115	1	10/11/2019 10:29	WG1360525
Naphthalene	U		0.00359	0.0144	1	10/11/2019 10:29	WG1360525
n-Propylbenzene	U		0.00136	0.00575	1	10/11/2019 10:29	WG1360525
Styrene	U		0.00314	0.0144	1	10/11/2019 10:29	WG1360525
1,1,1,2-Tetrachloroethane	U		0.000575	0.00288	1	10/11/2019 10:29	WG1360525
1,1,2,2-Tetrachloroethane	U		0.000449	0.00288	1	10/11/2019 10:29	WG1360525
1,1,2-Trichlorotrifluoroethane	U		0.000777	0.00288	1	10/11/2019 10:29	WG1360525
Tetrachloroethene	U		0.000806	0.00288	1	10/11/2019 10:29	WG1360525
Toluene	0.0193		0.00144	0.00575	1	10/11/2019 10:29	WG1360525
1,2,3-Trichlorobenzene	U		0.000719	0.00288	1	10/11/2019 10:29	WG1360525
1,2,4-Trichlorobenzene	U		0.00555	0.0144	1	10/11/2019 10:29	WG1360525
1,1,1-Trichloroethane	U		0.000317	0.00288	1	10/11/2019 10:29	WG1360525
1,1,2-Trichloroethane	U		0.00102	0.00288	1	10/11/2019 10:29	WG1360525
Trichloroethene	0.00121		0.000460	0.00115	1	10/11/2019 10:29	WG1360525
Trichlorofluoromethane	U		0.000575	0.00288	1	10/11/2019 10:29	WG1360525
1,2,3-Trichloropropane	U		0.00587	0.0144	1	10/11/2019 10:29	WG1360525
1,2,4-Trimethylbenzene	U		0.00134	0.00575	1	10/11/2019 10:29	WG1360525
1,2,3-Trimethylbenzene	U		0.00132	0.00575	1	10/11/2019 10:29	WG1360525
1,3,5-Trimethylbenzene	U		0.00124	0.00575	1	10/11/2019 10:29	WG1360525
Vinyl acetate	U		0.00405	0.0144	1	10/11/2019 10:29	WG1360525
Vinyl chloride	U		0.000786	0.00288	1	10/11/2019 10:29	WG1360525
Xylenes, Total	U		0.00550	0.00748	1	10/11/2019 10:29	WG1360525
(S) Toluene-d8	*105*			*75.0-131*		*10/11/2019 10:29*	WG1360525
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*10/11/2019 10:29*	WG1360525
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*10/11/2019 10:29*	WG1360525

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	10/08/2019 11:27	WG1358898

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0273	J	0.0160	0.0291	1	10/11/2019 10:50	WG1360525
Acrylonitrile	U		0.00221	0.0146	1	10/11/2019 10:50	WG1360525
Benzene	0.00179		0.000466	0.00117	1	10/11/2019 10:50	WG1360525
Bromobenzene	U		0.00122	0.0146	1	10/11/2019 10:50	WG1360525
Bromodichloromethane	U		0.000918	0.00291	1	10/11/2019 10:50	WG1360525
Bromochloromethane	U		0.00132	0.00583	1	10/11/2019 10:50	WG1360525
Bromoform	U		0.00697	0.0291	1	10/11/2019 10:50	WG1360525
Bromomethane	U		0.00431	0.0146	1	10/11/2019 10:50	WG1360525
n-Butylbenzene	U		0.00447	0.0146	1	10/11/2019 10:50	WG1360525
sec-Butylbenzene	U		0.00295	0.0146	1	10/11/2019 10:50	WG1360525
tert-Butylbenzene	U		0.00181	0.00583	1	10/11/2019 10:50	WG1360525
Carbon disulfide	U		0.00473	0.0146	1	10/11/2019 10:50	WG1360525
Carbon tetrachloride	U		0.00126	0.00583	1	10/11/2019 10:50	WG1360525
Chlorobenzene	U		0.000668	0.00291	1	10/11/2019 10:50	WG1360525
Chlorodibromomethane	U		0.000524	0.00291	1	10/11/2019 10:50	WG1360525
Chloroethane	U		0.00126	0.00583	1	10/11/2019 10:50	WG1360525
Chloroform	U		0.000484	0.00291	1	10/11/2019 10:50	WG1360525
Chloromethane	U		0.00162	0.0146	1	10/11/2019 10:50	WG1360525
2-Chlorotoluene	U		0.00107	0.00291	1	10/11/2019 10:50	WG1360525
4-Chlorotoluene	U		0.00132	0.00583	1	10/11/2019 10:50	WG1360525
1,2-Dibromo-3-Chloropropane	U		0.00594	0.0291	1	10/11/2019 10:50	WG1360525
1,2-Dibromoethane	U		0.000612	0.00291	1	10/11/2019 10:50	WG1360525
Dibromomethane	U		0.00117	0.00583	1	10/11/2019 10:50	WG1360525
1,2-Dichlorobenzene	U		0.00169	0.00583	1	10/11/2019 10:50	WG1360525
1,3-Dichlorobenzene	U		0.00198	0.00583	1	10/11/2019 10:50	WG1360525
1,4-Dichlorobenzene	U		0.00230	0.00583	1	10/11/2019 10:50	WG1360525
Dichlorodifluoromethane	U		0.000953	0.00291	1	10/11/2019 10:50	WG1360525
1,1-Dichloroethane	U		0.000670	0.00291	1	10/11/2019 10:50	WG1360525
1,2-Dichloroethane	U		0.000553	0.00291	1	10/11/2019 10:50	WG1360525
1,1-Dichloroethene	0.000733	J	0.000583	0.00291	1	10/11/2019 10:50	WG1360525
cis-1,2-Dichloroethene	0.682		0.000804	0.00291	1	10/11/2019 10:50	WG1360525
trans-1,2-Dichloroethene	0.00530	J	0.00167	0.00583	1	10/11/2019 10:50	WG1360525
1,2-Dichloropropane	U		0.00148	0.00583	1	10/11/2019 10:50	WG1360525
1,1-Dichloropropene	U		0.000816	0.00291	1	10/11/2019 10:50	WG1360525
1,3-Dichloropropane	U		0.00204	0.00583	1	10/11/2019 10:50	WG1360525
cis-1,3-Dichloropropene	U		0.000790	0.00291	1	10/11/2019 10:50	WG1360525
trans-1,3-Dichloropropene	U		0.00178	0.00583	1	10/11/2019 10:50	WG1360525
trans-1,4-Dichloro-2-butene	U		0.00163	0.00583	1	10/11/2019 10:50	WG1360525
2,2-Dichloropropane	U		0.000924	0.00291	1	10/11/2019 10:50	WG1360525
Di-isopropyl ether	U		0.000408	0.00117	1	10/11/2019 10:50	WG1360525
Ethylbenzene	U		0.000618	0.00291	1	10/11/2019 10:50	WG1360525
Hexachloro-1,3-butadiene	U		0.0148	0.0291	1	10/11/2019 10:50	WG1360525
2-Hexanone	U		0.0117	0.0291	1	10/11/2019 10:50	WG1360525
n-Hexane	0.0289		0.00124	0.00583	1	10/11/2019 10:50	WG1360525
Iodomethane	U		0.00705	0.0146	1	10/11/2019 10:50	WG1360525
Isopropylbenzene	U		0.00101	0.00291	1	10/11/2019 10:50	WG1360525
p-Isopropyltoluene	U		0.00271	0.00583	1	10/11/2019 10:50	WG1360525
2-Butanone (MEK)	0.0205	B J	0.0146	0.0291	1	10/11/2019 10:50	WG1360525
Methylene Chloride	0.0102	B J	0.00774	0.0291	1	10/11/2019 10:50	WG1360525
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0291	1	10/11/2019 10:50	WG1360525

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000344	0.00117	1	10/11/2019 10:50	WG1360525
Naphthalene	U		0.00364	0.0146	1	10/11/2019 10:50	WG1360525
n-Propylbenzene	U		0.00137	0.00583	1	10/11/2019 10:50	WG1360525
Styrene	U		0.00318	0.0146	1	10/11/2019 10:50	WG1360525
1,1,1,2-Tetrachloroethane	U		0.000583	0.00291	1	10/11/2019 10:50	WG1360525
1,1,2,2-Tetrachloroethane	U		0.000454	0.00291	1	10/11/2019 10:50	WG1360525
1,1,2-Trichlorotrifluoroethane	U		0.000787	0.00291	1	10/11/2019 10:50	WG1360525
Tetrachloroethene	0.120		0.000816	0.00291	1	10/11/2019 10:50	WG1360525
Toluene	0.0178		0.00146	0.00583	1	10/11/2019 10:50	WG1360525
1,2,3-Trichlorobenzene	U		0.000728	0.00291	1	10/11/2019 10:50	WG1360525
1,2,4-Trichlorobenzene	U		0.00562	0.0146	1	10/11/2019 10:50	WG1360525
1,1,1-Trichloroethane	U		0.000320	0.00291	1	10/11/2019 10:50	WG1360525
1,1,2-Trichloroethane	U		0.00103	0.00291	1	10/11/2019 10:50	WG1360525
Trichloroethene	0.0144		0.000466	0.00117	1	10/11/2019 10:50	WG1360525
Trichlorofluoromethane	U		0.000583	0.00291	1	10/11/2019 10:50	WG1360525
1,2,3-Trichloropropane	U		0.00594	0.0146	1	10/11/2019 10:50	WG1360525
1,2,4-Trimethylbenzene	U		0.00135	0.00583	1	10/11/2019 10:50	WG1360525
1,2,3-Trimethylbenzene	U		0.00134	0.00583	1	10/11/2019 10:50	WG1360525
1,3,5-Trimethylbenzene	U		0.00126	0.00583	1	10/11/2019 10:50	WG1360525
Vinyl acetate	U		0.00410	0.0146	1	10/11/2019 10:50	WG1360525
Vinyl chloride	0.00604		0.000796	0.00291	1	10/11/2019 10:50	WG1360525
Xylenes, Total	U		0.00557	0.00757	1	10/11/2019 10:50	WG1360525
(S) Toluene-d8	*107*			*75.0-131*		*10/11/2019 10:50*	WG1360525
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*10/11/2019 10:50*	WG1360525
(S) 1,2-Dichloroethane-d4	*96.0*			*70.0-130*		*10/11/2019 10:50*	WG1360525

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.8		1	10/08/2019 11:27	WG1358898

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0619		0.0175	0.0321	1.01	10/11/2019 11:11	WG1360525
Acrylonitrile	U		0.00244	0.0160	1.01	10/11/2019 11:11	WG1360525
Benzene	0.000767	J	0.000513	0.00128	1.01	10/11/2019 11:11	WG1360525
Bromobenzene	U		0.00135	0.0160	1.01	10/11/2019 11:11	WG1360525
Bromodichloromethane	U		0.00101	0.00321	1.01	10/11/2019 11:11	WG1360525
Bromochloromethane	U		0.00145	0.00641	1.01	10/11/2019 11:11	WG1360525
Bromoform	U		0.00767	0.0321	1.01	10/11/2019 11:11	WG1360525
Bromomethane	U		0.00475	0.0160	1.01	10/11/2019 11:11	WG1360525
n-Butylbenzene	U		0.00492	0.0160	1.01	10/11/2019 11:11	WG1360525
sec-Butylbenzene	U		0.00325	0.0160	1.01	10/11/2019 11:11	WG1360525
tert-Butylbenzene	U		0.00199	0.00641	1.01	10/11/2019 11:11	WG1360525
Carbon disulfide	U		0.00520	0.0160	1.01	10/11/2019 11:11	WG1360525
Carbon tetrachloride	U		0.00138	0.00641	1.01	10/11/2019 11:11	WG1360525
Chlorobenzene	U		0.000735	0.00321	1.01	10/11/2019 11:11	WG1360525
Chlorodibromomethane	U		0.000577	0.00321	1.01	10/11/2019 11:11	WG1360525
Chloroethane	U		0.00138	0.00641	1.01	10/11/2019 11:11	WG1360525
Chloroform	U		0.000532	0.00321	1.01	10/11/2019 11:11	WG1360525
Chloromethane	U		0.00178	0.0160	1.01	10/11/2019 11:11	WG1360525
2-Chlorotoluene	U		0.00118	0.00321	1.01	10/11/2019 11:11	WG1360525
4-Chlorotoluene	U		0.00145	0.00641	1.01	10/11/2019 11:11	WG1360525
1,2-Dibromo-3-Chloropropane	U		0.00654	0.0321	1.01	10/11/2019 11:11	WG1360525
1,2-Dibromoethane	U		0.000673	0.00321	1.01	10/11/2019 11:11	WG1360525
Dibromomethane	U		0.00128	0.00641	1.01	10/11/2019 11:11	WG1360525
1,2-Dichlorobenzene	U		0.00185	0.00641	1.01	10/11/2019 11:11	WG1360525
1,3-Dichlorobenzene	U		0.00218	0.00641	1.01	10/11/2019 11:11	WG1360525
1,4-Dichlorobenzene	U		0.00253	0.00641	1.01	10/11/2019 11:11	WG1360525
Dichlorodifluoromethane	U		0.00105	0.00321	1.01	10/11/2019 11:11	WG1360525
1,1-Dichloroethane	U		0.000737	0.00321	1.01	10/11/2019 11:11	WG1360525
1,2-Dichloroethane	U		0.000609	0.00321	1.01	10/11/2019 11:11	WG1360525
1,1-Dichloroethene	0.00201	J	0.000641	0.00321	1.01	10/11/2019 11:11	WG1360525
cis-1,2-Dichloroethene	2.13		0.000885	0.00321	1.01	10/11/2019 11:11	WG1360525
trans-1,2-Dichloroethene	0.0110		0.00183	0.00641	1.01	10/11/2019 11:11	WG1360525
1,2-Dichloropropane	U		0.00162	0.00641	1.01	10/11/2019 11:11	WG1360525
1,1-Dichloropropene	U		0.000897	0.00321	1.01	10/11/2019 11:11	WG1360525
1,3-Dichloropropane	U		0.00225	0.00641	1.01	10/11/2019 11:11	WG1360525
cis-1,3-Dichloropropene	U		0.000869	0.00321	1.01	10/11/2019 11:11	WG1360525
trans-1,3-Dichloropropene	U		0.00197	0.00641	1.01	10/11/2019 11:11	WG1360525
trans-1,4-Dichloro-2-butene	U		0.00179	0.00641	1.01	10/11/2019 11:11	WG1360525
2,2-Dichloropropane	U		0.00102	0.00321	1.01	10/11/2019 11:11	WG1360525
Di-isopropyl ether	U		0.000448	0.00128	1.01	10/11/2019 11:11	WG1360525
Ethylbenzene	0.00146	J	0.000679	0.00321	1.01	10/11/2019 11:11	WG1360525
Hexachloro-1,3-butadiene	U		0.0162	0.0321	1.01	10/11/2019 11:11	WG1360525
2-Hexanone	U		0.0128	0.0321	1.01	10/11/2019 11:11	WG1360525
n-Hexane	0.0289		0.00136	0.00641	1.01	10/11/2019 11:11	WG1360525
Iodomethane	U		0.00775	0.0160	1.01	10/11/2019 11:11	WG1360525
Isopropylbenzene	U		0.00111	0.00321	1.01	10/11/2019 11:11	WG1360525
p-Isopropyltoluene	U		0.00298	0.00641	1.01	10/11/2019 11:11	WG1360525
2-Butanone (MEK)	0.0282	B J	0.0160	0.0321	1.01	10/11/2019 11:11	WG1360525
Methylene Chloride	0.0133	B J	0.00852	0.0321	1.01	10/11/2019 11:11	WG1360525
4-Methyl-2-pentanone (MIBK)	U		0.0128	0.0321	1.01	10/11/2019 11:11	WG1360525

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000378	0.00128	1.01	10/11/2019 11:11	WG1360525
Naphthalene	U		0.00400	0.0160	1.01	10/11/2019 11:11	WG1360525
n-Propylbenzene	U		0.00151	0.00641	1.01	10/11/2019 11:11	WG1360525
Styrene	U		0.00350	0.0160	1.01	10/11/2019 11:11	WG1360525
1,1,1,2-Tetrachloroethane	U		0.000641	0.00321	1.01	10/11/2019 11:11	WG1360525
1,1,2,2-Tetrachloroethane	U		0.000500	0.00321	1.01	10/11/2019 11:11	WG1360525
1,1,2-Trichlorotrifluoroethane	U		0.000866	0.00321	1.01	10/11/2019 11:11	WG1360525
Tetrachloroethene	0.0806		0.000897	0.00321	1.01	10/11/2019 11:11	WG1360525
Toluene	0.0510		0.00160	0.00641	1.01	10/11/2019 11:11	WG1360525
1,2,3-Trichlorobenzene	U		0.000801	0.00321	1.01	10/11/2019 11:11	WG1360525
1,2,4-Trichlorobenzene	U		0.00618	0.0160	1.01	10/11/2019 11:11	WG1360525
1,1,1-Trichloroethane	U		0.000353	0.00321	1.01	10/11/2019 11:11	WG1360525
1,1,2-Trichloroethane	U		0.00113	0.00321	1.01	10/11/2019 11:11	WG1360525
Trichloroethene	0.0165		0.000513	0.00128	1.01	10/11/2019 11:11	WG1360525
Trichlorofluoromethane	U		0.000641	0.00321	1.01	10/11/2019 11:11	WG1360525
1,2,3-Trichloropropane	U		0.00654	0.0160	1.01	10/11/2019 11:11	WG1360525
1,2,4-Trimethylbenzene	U		0.00148	0.00641	1.01	10/11/2019 11:11	WG1360525
1,2,3-Trimethylbenzene	U		0.00147	0.00641	1.01	10/11/2019 11:11	WG1360525
1,3,5-Trimethylbenzene	U		0.00138	0.00641	1.01	10/11/2019 11:11	WG1360525
Vinyl acetate	U		0.00452	0.0160	1.01	10/11/2019 11:11	WG1360525
Vinyl chloride	0.0218		0.000876	0.00321	1.01	10/11/2019 11:11	WG1360525
Xylenes, Total	U		0.00613	0.00833	1.01	10/11/2019 11:11	WG1360525
(S) Toluene-d8	*103*			*75.0-131*		*10/11/2019 11:11*	WG1360525
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*10/11/2019 11:11*	WG1360525
(S) 1,2-Dichloroethane-d4	*97.0*			*70.0-130*		*10/11/2019 11:11*	WG1360525

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.2		1	10/08/2019 11:27	WG1358898

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0165	0.0300	1	10/11/2019 16:42	WG1360981
Acrylonitrile	U		0.00228	0.0150	1	10/11/2019 16:42	WG1360981
Benzene	U		0.000481	0.00120	1	10/11/2019 16:42	WG1360981
Bromobenzene	U		0.00126	0.0150	1	10/11/2019 16:42	WG1360981
Bromodichloromethane	U		0.000947	0.00300	1	10/11/2019 16:42	WG1360981
Bromochloromethane	U		0.00136	0.00601	1	10/11/2019 16:42	WG1360981
Bromoform	U		0.00719	0.0300	1	10/11/2019 16:42	WG1360981
Bromomethane	U		0.00445	0.0150	1	10/11/2019 16:42	WG1360981
n-Butylbenzene	U		0.00461	0.0150	1	10/11/2019 16:42	WG1360981
sec-Butylbenzene	U		0.00304	0.0150	1	10/11/2019 16:42	WG1360981
tert-Butylbenzene	U		0.00186	0.00601	1	10/11/2019 16:42	WG1360981
Carbon disulfide	U		0.00488	0.0150	1	10/11/2019 16:42	WG1360981
Carbon tetrachloride	U		0.00130	0.00601	1	10/11/2019 16:42	WG1360981
Chlorobenzene	U		0.000689	0.00300	1	10/11/2019 16:42	WG1360981
Chlorodibromomethane	U		0.000541	0.00300	1	10/11/2019 16:42	WG1360981
Chloroethane	U		0.00130	0.00601	1	10/11/2019 16:42	WG1360981
Chloroform	U		0.000499	0.00300	1	10/11/2019 16:42	WG1360981
Chloromethane	U		0.00167	0.0150	1	10/11/2019 16:42	WG1360981
2-Chlorotoluene	U		0.00111	0.00300	1	10/11/2019 16:42	WG1360981
4-Chlorotoluene	U		0.00136	0.00601	1	10/11/2019 16:42	WG1360981
1,2-Dibromo-3-Chloropropane	U		0.00613	0.0300	1	10/11/2019 16:42	WG1360981
1,2-Dibromoethane	U		0.000631	0.00300	1	10/11/2019 16:42	WG1360981
Dibromomethane	U		0.00120	0.00601	1	10/11/2019 16:42	WG1360981
1,2-Dichlorobenzene	U		0.00174	0.00601	1	10/11/2019 16:42	WG1360981
1,3-Dichlorobenzene	U		0.00204	0.00601	1	10/11/2019 16:42	WG1360981
1,4-Dichlorobenzene	U		0.00237	0.00601	1	10/11/2019 16:42	WG1360981
Dichlorodifluoromethane	U	J0	0.000983	0.00300	1	10/11/2019 16:42	WG1360981
1,1-Dichloroethane	U		0.000691	0.00300	1	10/11/2019 16:42	WG1360981
1,2-Dichloroethane	U		0.000571	0.00300	1	10/11/2019 16:42	WG1360981
1,1-Dichloroethene	U		0.000601	0.00300	1	10/11/2019 16:42	WG1360981
cis-1,2-Dichloroethene	3.03		0.000829	0.00300	1	10/11/2019 16:42	WG1360981
trans-1,2-Dichloroethene	0.0114		0.00172	0.00601	1	10/11/2019 16:42	WG1360981
1,2-Dichloropropane	U		0.00153	0.00601	1	10/11/2019 16:42	WG1360981
1,1-Dichloropropene	U		0.000841	0.00300	1	10/11/2019 16:42	WG1360981
1,3-Dichloropropane	U		0.00210	0.00601	1	10/11/2019 16:42	WG1360981
cis-1,3-Dichloropropene	U		0.000815	0.00300	1	10/11/2019 16:42	WG1360981
trans-1,3-Dichloropropene	U		0.00184	0.00601	1	10/11/2019 16:42	WG1360981
trans-1,4-Dichloro-2-butene	U		0.00168	0.00601	1	10/11/2019 16:42	WG1360981
2,2-Dichloropropane	U	J0	0.000953	0.00300	1	10/11/2019 16:42	WG1360981
Di-isopropyl ether	U		0.000421	0.00120	1	10/11/2019 16:42	WG1360981
Ethylbenzene	U		0.000637	0.00300	1	10/11/2019 16:42	WG1360981
Hexachloro-1,3-butadiene	U		0.0153	0.0300	1	10/11/2019 16:42	WG1360981
2-Hexanone	U		0.0120	0.0300	1	10/11/2019 16:42	WG1360981
n-Hexane	0.0130		0.00127	0.00601	1	10/11/2019 16:42	WG1360981
Iodomethane	U		0.00727	0.0150	1	10/11/2019 16:42	WG1360981
Isopropylbenzene	U		0.00104	0.00300	1	10/11/2019 16:42	WG1360981
p-Isopropyltoluene	U		0.00280	0.00601	1	10/11/2019 16:42	WG1360981
2-Butanone (MEK)	0.0161	B J	0.0150	0.0300	1	10/11/2019 16:42	WG1360981
Methylene Chloride	0.0101	J	0.00798	0.0300	1	10/11/2019 16:42	WG1360981
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.0300	1	10/11/2019 16:42	WG1360981

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000355	0.00120	1	10/11/2019 16:42	WG1360981
Naphthalene	U		0.00375	0.0150	1	10/11/2019 16:42	WG1360981
n-Propylbenzene	U		0.00142	0.00601	1	10/11/2019 16:42	WG1360981
Styrene	U		0.00328	0.0150	1	10/11/2019 16:42	WG1360981
1,1,1,2-Tetrachloroethane	U		0.000601	0.00300	1	10/11/2019 16:42	WG1360981
1,1,2,2-Tetrachloroethane	U		0.000469	0.00300	1	10/11/2019 16:42	WG1360981
1,1,2-Trichlorotrifluoroethane	U		0.000811	0.00300	1	10/11/2019 16:42	WG1360981
Tetrachloroethene	0.0696		0.000841	0.00300	1	10/11/2019 16:42	WG1360981
Toluene	0.00820		0.00150	0.00601	1	10/11/2019 16:42	WG1360981
1,2,3-Trichlorobenzene	U		0.000751	0.00300	1	10/11/2019 16:42	WG1360981
1,2,4-Trichlorobenzene	U		0.00579	0.0150	1	10/11/2019 16:42	WG1360981
1,1,1-Trichloroethane	U		0.000330	0.00300	1	10/11/2019 16:42	WG1360981
1,1,2-Trichloroethane	U		0.00106	0.00300	1	10/11/2019 16:42	WG1360981
Trichloroethene	0.0520		0.000481	0.00120	1	10/11/2019 16:42	WG1360981
Trichlorofluoromethane	U		0.000601	0.00300	1	10/11/2019 16:42	WG1360981
1,2,3-Trichloropropane	U		0.00613	0.0150	1	10/11/2019 16:42	WG1360981
1,2,4-Trimethylbenzene	U		0.00139	0.00601	1	10/11/2019 16:42	WG1360981
1,2,3-Trimethylbenzene	U		0.00138	0.00601	1	10/11/2019 16:42	WG1360981
1,3,5-Trimethylbenzene	U		0.00130	0.00601	1	10/11/2019 16:42	WG1360981
Vinyl acetate	U		0.00423	0.0150	1	10/11/2019 16:42	WG1360981
Vinyl chloride	0.0403		0.000821	0.00300	1	10/11/2019 16:42	WG1360981
Xylenes, Total	U		0.00574	0.00781	1	10/11/2019 16:42	WG1360981
(S) Toluene-d8	*105*			*75.0-131*		*10/11/2019 16:42*	WG1360981
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*10/11/2019 16:42*	WG1360981
(S) 1,2-Dichloroethane-d4	*96.0*			*70.0-130*		*10/11/2019 16:42*	WG1360981

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.6		1	10/08/2019 11:27	WG1358898

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	3.86	J	2.30	4.21	139	10/11/2019 22:54	WG1360981
Acrylonitrile	U		0.320	2.11	139	10/11/2019 22:54	WG1360981
Benzene	U		0.0673	0.168	139	10/11/2019 22:54	WG1360981
Bromobenzene	U		0.177	2.11	139	10/11/2019 22:54	WG1360981
Bromodichloromethane	U		0.133	0.421	139	10/11/2019 22:54	WG1360981
Bromochloromethane	U		0.190	0.841	139	10/11/2019 22:54	WG1360981
Bromoform	U		1.01	4.21	139	10/11/2019 22:54	WG1360981
Bromomethane	U		0.622	2.11	139	10/11/2019 22:54	WG1360981
n-Butylbenzene	U		0.646	2.11	139	10/11/2019 22:54	WG1360981
sec-Butylbenzene	U		0.426	2.11	139	10/11/2019 22:54	WG1360981
tert-Butylbenzene	U		0.260	0.841	139	10/11/2019 22:54	WG1360981
Carbon disulfide	U		0.683	2.11	139	10/11/2019 22:54	WG1360981
Carbon tetrachloride	U		0.182	0.841	139	10/11/2019 22:54	WG1360981
Chlorobenzene	U		0.0963	0.421	139	10/11/2019 22:54	WG1360981
Chlorodibromomethane	U		0.0756	0.421	139	10/11/2019 22:54	WG1360981
Chloroethane	U		0.182	0.841	139	10/11/2019 22:54	WG1360981
Chloroform	U		0.0698	0.421	139	10/11/2019 22:54	WG1360981
Chloromethane	U		0.234	2.11	139	10/11/2019 22:54	WG1360981
2-Chlorotoluene	U		0.155	0.421	139	10/11/2019 22:54	WG1360981
4-Chlorotoluene	U		0.190	0.841	139	10/11/2019 22:54	WG1360981
1,2-Dibromo-3-Chloropropane	U		0.858	4.21	139	10/11/2019 22:54	WG1360981
1,2-Dibromoethane	U		0.0884	0.421	139	10/11/2019 22:54	WG1360981
Dibromomethane	U		0.168	0.841	139	10/11/2019 22:54	WG1360981
1,2-Dichlorobenzene	U		0.244	0.841	139	10/11/2019 22:54	WG1360981
1,3-Dichlorobenzene	U		0.286	0.841	139	10/11/2019 22:54	WG1360981
1,4-Dichlorobenzene	U		0.332	0.841	139	10/11/2019 22:54	WG1360981
Dichlorodifluoromethane	U	J0	0.138	0.421	139	10/11/2019 22:54	WG1360981
1,1-Dichloroethane	U		0.0967	0.421	139	10/11/2019 22:54	WG1360981
1,2-Dichloroethane	U		0.0799	0.421	139	10/11/2019 22:54	WG1360981
1,1-Dichloroethene	U		0.0841	0.421	139	10/11/2019 22:54	WG1360981
cis-1,2-Dichloroethene	U		0.116	0.421	139	10/11/2019 22:54	WG1360981
trans-1,2-Dichloroethene	U		0.241	0.841	139	10/11/2019 22:54	WG1360981
1,2-Dichloropropane	U		0.214	0.841	139	10/11/2019 22:54	WG1360981
1,1-Dichloropropene	U		0.118	0.421	139	10/11/2019 22:54	WG1360981
1,3-Dichloropropane	U		0.294	0.841	139	10/11/2019 22:54	WG1360981
cis-1,3-Dichloropropene	U		0.114	0.421	139	10/11/2019 22:54	WG1360981
trans-1,3-Dichloropropene	U		0.258	0.841	139	10/11/2019 22:54	WG1360981
trans-1,4-Dichloro-2-butene	U		0.236	0.841	139	10/11/2019 22:54	WG1360981
2,2-Dichloropropane	U	J0	0.133	0.421	139	10/11/2019 22:54	WG1360981
Di-isopropyl ether	U		0.0589	0.168	139	10/11/2019 22:54	WG1360981
Ethylbenzene	U		0.0892	0.421	139	10/11/2019 22:54	WG1360981
Hexachloro-1,3-butadiene	U		2.14	4.21	139	10/11/2019 22:54	WG1360981
2-Hexanone	U		1.68	4.21	139	10/11/2019 22:54	WG1360981
n-Hexane	U		0.178	0.841	139	10/11/2019 22:54	WG1360981
Iodomethane	U		1.02	2.11	139	10/11/2019 22:54	WG1360981
Isopropylbenzene	U		0.145	0.421	139	10/11/2019 22:54	WG1360981
p-Isopropyltoluene	U		0.392	0.841	139	10/11/2019 22:54	WG1360981
2-Butanone (MEK)	U		2.11	4.21	139	10/11/2019 22:54	WG1360981
Methylene Chloride	1.15	J	1.12	4.21	139	10/11/2019 22:54	WG1360981
4-Methyl-2-pentanone (MIBK)	U		1.68	4.21	139	10/11/2019 22:54	WG1360981

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0496	0.168	139	10/11/2019 22:54	WG1360981
Naphthalene	27.6		0.525	2.11	139	10/11/2019 22:54	WG1360981
Naphthalene	U	Q	0.525	2.11	139	10/13/2019 17:53	WG1362254
n-Propylbenzene	U		0.198	0.841	139	10/11/2019 22:54	WG1360981
Styrene	U		0.459	2.11	139	10/11/2019 22:54	WG1360981
1,1,1,2-Tetrachloroethane	U		0.0841	0.421	139	10/11/2019 22:54	WG1360981
1,1,2,2-Tetrachloroethane	U		0.0656	0.421	139	10/11/2019 22:54	WG1360981
1,1,2-Trichlorotrifluoroethane	U		0.114	0.421	139	10/11/2019 22:54	WG1360981
Tetrachloroethene	U		0.118	0.421	139	10/11/2019 22:54	WG1360981
Toluene	U		0.211	0.841	139	10/11/2019 22:54	WG1360981
1,2,3-Trichlorobenzene	U		0.105	0.421	139	10/11/2019 22:54	WG1360981
1,2,4-Trichlorobenzene	U		0.811	2.11	139	10/11/2019 22:54	WG1360981
1,1,1-Trichloroethane	U		0.0462	0.421	139	10/11/2019 22:54	WG1360981
1,1,2-Trichloroethane	U		0.149	0.421	139	10/11/2019 22:54	WG1360981
Trichloroethene	U		0.0673	0.168	139	10/11/2019 22:54	WG1360981
Trichlorofluoromethane	U		0.0841	0.421	139	10/11/2019 22:54	WG1360981
1,2,3-Trichloropropane	U		0.858	2.11	139	10/11/2019 22:54	WG1360981
1,2,4-Trimethylbenzene	U		0.195	0.841	139	10/11/2019 22:54	WG1360981
1,2,3-Trimethylbenzene	U		0.194	0.841	139	10/11/2019 22:54	WG1360981
1,3,5-Trimethylbenzene	U		0.182	0.841	139	10/11/2019 22:54	WG1360981
Vinyl acetate	U		0.592	2.11	139	10/11/2019 22:54	WG1360981
Vinyl chloride	U		0.115	0.421	139	10/11/2019 22:54	WG1360981
Xylenes, Total	U		0.804	1.09	139	10/11/2019 22:54	WG1360981
(S) Toluene-d8	*104*			*75.0-131*		*10/11/2019 22:54*	WG1360981
(S) Toluene-d8	*109*			*75.0-131*		*10/13/2019 17:53*	WG1362254
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*10/11/2019 22:54*	WG1360981
(S) 4-Bromofluorobenzene	*95.9*			*67.0-138*		*10/13/2019 17:53*	WG1362254
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*10/11/2019 22:54*	WG1360981
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*10/13/2019 17:53*	WG1362254

Sample Narrative:

L1145065-14 WG1360981, WG1362254: Elevated RL due to limited sample volume. In hold naphthalene result is due to carryover.

L1145065-14 WG1360981, WG1362254: Reporting naphthalene in hold and out of hold data runs.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.1		1	10/08/2019 11:27	WG1358898

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0297		0.0161	0.0294	1	10/11/2019 17:02	WG1360981
Acrylonitrile	U		0.00223	0.0147	1	10/11/2019 17:02	WG1360981
Benzene	U		0.000470	0.00118	1	10/11/2019 17:02	WG1360981
Bromobenzene	U		0.00123	0.0147	1	10/11/2019 17:02	WG1360981
Bromodichloromethane	U		0.000926	0.00294	1	10/11/2019 17:02	WG1360981
Bromochloromethane	U		0.00133	0.00588	1	10/11/2019 17:02	WG1360981
Bromoform	U		0.00703	0.0294	1	10/11/2019 17:02	WG1360981
Bromomethane	U		0.00435	0.0147	1	10/11/2019 17:02	WG1360981
n-Butylbenzene	U		0.00451	0.0147	1	10/11/2019 17:02	WG1360981
sec-Butylbenzene	U		0.00297	0.0147	1	10/11/2019 17:02	WG1360981
tert-Butylbenzene	U		0.00182	0.00588	1	10/11/2019 17:02	WG1360981
Carbon disulfide	U		0.00477	0.0147	1	10/11/2019 17:02	WG1360981
Carbon tetrachloride	U		0.00127	0.00588	1	10/11/2019 17:02	WG1360981
Chlorobenzene	U		0.000673	0.00294	1	10/11/2019 17:02	WG1360981
Chlorodibromomethane	U		0.000529	0.00294	1	10/11/2019 17:02	WG1360981
Chloroethane	U		0.00127	0.00588	1	10/11/2019 17:02	WG1360981
Chloroform	U		0.000488	0.00294	1	10/11/2019 17:02	WG1360981
Chloromethane	U		0.00163	0.0147	1	10/11/2019 17:02	WG1360981
2-Chlorotoluene	U		0.00108	0.00294	1	10/11/2019 17:02	WG1360981
4-Chlorotoluene	U		0.00133	0.00588	1	10/11/2019 17:02	WG1360981
1,2-Dibromo-3-Chloropropane	U		0.00599	0.0294	1	10/11/2019 17:02	WG1360981
1,2-Dibromoethane	U		0.000617	0.00294	1	10/11/2019 17:02	WG1360981
Dibromomethane	U		0.00118	0.00588	1	10/11/2019 17:02	WG1360981
1,2-Dichlorobenzene	U		0.00170	0.00588	1	10/11/2019 17:02	WG1360981
1,3-Dichlorobenzene	U		0.00200	0.00588	1	10/11/2019 17:02	WG1360981
1,4-Dichlorobenzene	U		0.00231	0.00588	1	10/11/2019 17:02	WG1360981
Dichlorodifluoromethane	U	J0	0.000961	0.00294	1	10/11/2019 17:02	WG1360981
1,1-Dichloroethane	U		0.000676	0.00294	1	10/11/2019 17:02	WG1360981
1,2-Dichloroethane	U		0.000558	0.00294	1	10/11/2019 17:02	WG1360981
1,1-Dichloroethene	U		0.000588	0.00294	1	10/11/2019 17:02	WG1360981
cis-1,2-Dichloroethene	2.13		0.000811	0.00294	1	10/11/2019 17:02	WG1360981
trans-1,2-Dichloroethene	0.00790		0.00168	0.00588	1	10/11/2019 17:02	WG1360981
1,2-Dichloropropane	U		0.00149	0.00588	1	10/11/2019 17:02	WG1360981
1,1-Dichloropropene	U		0.000823	0.00294	1	10/11/2019 17:02	WG1360981
1,3-Dichloropropane	U		0.00206	0.00588	1	10/11/2019 17:02	WG1360981
cis-1,3-Dichloropropene	U		0.000797	0.00294	1	10/11/2019 17:02	WG1360981
trans-1,3-Dichloropropene	U		0.00180	0.00588	1	10/11/2019 17:02	WG1360981
trans-1,4-Dichloro-2-butene	U		0.00165	0.00588	1	10/11/2019 17:02	WG1360981
2,2-Dichloropropane	U	J0	0.000932	0.00294	1	10/11/2019 17:02	WG1360981
Di-isopropyl ether	U		0.000411	0.00118	1	10/11/2019 17:02	WG1360981
Ethylbenzene	U		0.000623	0.00294	1	10/11/2019 17:02	WG1360981
Hexachloro-1,3-butadiene	U		0.0149	0.0294	1	10/11/2019 17:02	WG1360981
2-Hexanone	U		0.0118	0.0294	1	10/11/2019 17:02	WG1360981
n-Hexane	0.0159		0.00125	0.00588	1	10/11/2019 17:02	WG1360981
Iodomethane	U		0.00711	0.0147	1	10/11/2019 17:02	WG1360981
Isopropylbenzene	U		0.00101	0.00294	1	10/11/2019 17:02	WG1360981
p-Isopropyltoluene	U		0.00274	0.00588	1	10/11/2019 17:02	WG1360981
2-Butanone (MEK)	0.0221	B J	0.0147	0.0294	1	10/11/2019 17:02	WG1360981
Methylene Chloride	0.00973	J	0.00780	0.0294	1	10/11/2019 17:02	WG1360981
4-Methyl-2-pentanone (MIBK)	U		0.0118	0.0294	1	10/11/2019 17:02	WG1360981

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000347	0.00118	1	10/11/2019 17:02	WG1360981
Naphthalene	U		0.00367	0.0147	1	10/11/2019 17:02	WG1360981
n-Propylbenzene	U		0.00139	0.00588	1	10/11/2019 17:02	WG1360981
Styrene	U		0.00321	0.0147	1	10/11/2019 17:02	WG1360981
1,1,1,2-Tetrachloroethane	U		0.000588	0.00294	1	10/11/2019 17:02	WG1360981
1,1,2,2-Tetrachloroethane	U		0.000458	0.00294	1	10/11/2019 17:02	WG1360981
1,1,2-Trichlorotrifluoroethane	U		0.000793	0.00294	1	10/11/2019 17:02	WG1360981
Tetrachloroethene	0.0408		0.000823	0.00294	1	10/11/2019 17:02	WG1360981
Toluene	0.0181		0.00147	0.00588	1	10/11/2019 17:02	WG1360981
1,2,3-Trichlorobenzene	U		0.000734	0.00294	1	10/11/2019 17:02	WG1360981
1,2,4-Trichlorobenzene	U		0.00566	0.0147	1	10/11/2019 17:02	WG1360981
1,1,1-Trichloroethane	U		0.000323	0.00294	1	10/11/2019 17:02	WG1360981
1,1,2-Trichloroethane	U		0.00104	0.00294	1	10/11/2019 17:02	WG1360981
Trichloroethene	0.0322		0.000470	0.00118	1	10/11/2019 17:02	WG1360981
Trichlorofluoromethane	U		0.000588	0.00294	1	10/11/2019 17:02	WG1360981
1,2,3-Trichloropropane	U		0.00599	0.0147	1	10/11/2019 17:02	WG1360981
1,2,4-Trimethylbenzene	U		0.00136	0.00588	1	10/11/2019 17:02	WG1360981
1,2,3-Trimethylbenzene	U		0.00135	0.00588	1	10/11/2019 17:02	WG1360981
1,3,5-Trimethylbenzene	U		0.00127	0.00588	1	10/11/2019 17:02	WG1360981
Vinyl acetate	U		0.00414	0.0147	1	10/11/2019 17:02	WG1360981
Vinyl chloride	0.0186		0.000803	0.00294	1	10/11/2019 17:02	WG1360981
Xylenes, Total	U		0.00562	0.00764	1	10/11/2019 17:02	WG1360981
(S) Toluene-d8	*105*			*75.0-131*		*10/11/2019 17:02*	WG1360981
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*10/11/2019 17:02*	WG1360981
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*10/11/2019 17:02*	WG1360981

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	10/08/2019 11:27	WG1358898

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0164	J	0.0155	0.0283	1	10/11/2019 17:24	WG1360981
Acrylonitrile	U		0.00215	0.0141	1	10/11/2019 17:24	WG1360981
Benzene	U		0.000452	0.00113	1	10/11/2019 17:24	WG1360981
Bromobenzene	U		0.00119	0.0141	1	10/11/2019 17:24	WG1360981
Bromodichloromethane	U		0.000891	0.00283	1	10/11/2019 17:24	WG1360981
Bromochloromethane	U		0.00128	0.00565	1	10/11/2019 17:24	WG1360981
Bromoform	U		0.00676	0.0283	1	10/11/2019 17:24	WG1360981
Bromomethane	U		0.00418	0.0141	1	10/11/2019 17:24	WG1360981
n-Butylbenzene	U		0.00434	0.0141	1	10/11/2019 17:24	WG1360981
sec-Butylbenzene	U		0.00286	0.0141	1	10/11/2019 17:24	WG1360981
tert-Butylbenzene	U		0.00175	0.00565	1	10/11/2019 17:24	WG1360981
Carbon disulfide	U		0.00459	0.0141	1	10/11/2019 17:24	WG1360981
Carbon tetrachloride	U		0.00122	0.00565	1	10/11/2019 17:24	WG1360981
Chlorobenzene	U		0.000648	0.00283	1	10/11/2019 17:24	WG1360981
Chlorodibromomethane	U		0.000509	0.00283	1	10/11/2019 17:24	WG1360981
Chloroethane	U		0.00122	0.00565	1	10/11/2019 17:24	WG1360981
Chloroform	U		0.000469	0.00283	1	10/11/2019 17:24	WG1360981
Chloromethane	U		0.00157	0.0141	1	10/11/2019 17:24	WG1360981
2-Chlorotoluene	U		0.00104	0.00283	1	10/11/2019 17:24	WG1360981
4-Chlorotoluene	U		0.00128	0.00565	1	10/11/2019 17:24	WG1360981
1,2-Dibromo-3-Chloropropane	U		0.00576	0.0283	1	10/11/2019 17:24	WG1360981
1,2-Dibromoethane	U		0.000593	0.00283	1	10/11/2019 17:24	WG1360981
Dibromomethane	U		0.00113	0.00565	1	10/11/2019 17:24	WG1360981
1,2-Dichlorobenzene	U		0.00164	0.00565	1	10/11/2019 17:24	WG1360981
1,3-Dichlorobenzene	U		0.00192	0.00565	1	10/11/2019 17:24	WG1360981
1,4-Dichlorobenzene	U		0.00223	0.00565	1	10/11/2019 17:24	WG1360981
Dichlorodifluoromethane	U	J0	0.000924	0.00283	1	10/11/2019 17:24	WG1360981
1,1-Dichloroethane	U		0.000650	0.00283	1	10/11/2019 17:24	WG1360981
1,2-Dichloroethane	U		0.000537	0.00283	1	10/11/2019 17:24	WG1360981
1,1-Dichloroethene	U		0.000565	0.00283	1	10/11/2019 17:24	WG1360981
cis-1,2-Dichloroethene	0.453		0.000780	0.00283	1	10/11/2019 17:24	WG1360981
trans-1,2-Dichloroethene	U		0.00162	0.00565	1	10/11/2019 17:24	WG1360981
1,2-Dichloropropane	U		0.00144	0.00565	1	10/11/2019 17:24	WG1360981
1,1-Dichloropropene	U		0.000791	0.00283	1	10/11/2019 17:24	WG1360981
1,3-Dichloropropane	U		0.00198	0.00565	1	10/11/2019 17:24	WG1360981
cis-1,3-Dichloropropene	U		0.000766	0.00283	1	10/11/2019 17:24	WG1360981
trans-1,3-Dichloropropene	U		0.00173	0.00565	1	10/11/2019 17:24	WG1360981
trans-1,4-Dichloro-2-butene	U		0.00158	0.00565	1	10/11/2019 17:24	WG1360981
2,2-Dichloropropane	U	J0	0.000896	0.00283	1	10/11/2019 17:24	WG1360981
Di-isopropyl ether	U		0.000396	0.00113	1	10/11/2019 17:24	WG1360981
Ethylbenzene	U		0.000599	0.00283	1	10/11/2019 17:24	WG1360981
Hexachloro-1,3-butadiene	U		0.0144	0.0283	1	10/11/2019 17:24	WG1360981
2-Hexanone	U		0.0113	0.0283	1	10/11/2019 17:24	WG1360981
n-Hexane	0.0278		0.00120	0.00565	1	10/11/2019 17:24	WG1360981
Iodomethane	U		0.00684	0.0141	1	10/11/2019 17:24	WG1360981
Isopropylbenzene	U		0.000975	0.00283	1	10/11/2019 17:24	WG1360981
p-Isopropyltoluene	U		0.00263	0.00565	1	10/11/2019 17:24	WG1360981
2-Butanone (MEK)	0.0191	B J	0.0141	0.0283	1	10/11/2019 17:24	WG1360981
Methylene Chloride	0.00919	J	0.00750	0.0283	1	10/11/2019 17:24	WG1360981
4-Methyl-2-pentanone (MIBK)	U		0.0113	0.0283	1	10/11/2019 17:24	WG1360981

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000333	0.00113	1	10/11/2019 17:24	WG1360981
Naphthalene	U		0.00353	0.0141	1	10/11/2019 17:24	WG1360981
n-Propylbenzene	U		0.00133	0.00565	1	10/11/2019 17:24	WG1360981
Styrene	U		0.00309	0.0141	1	10/11/2019 17:24	WG1360981
1,1,1,2-Tetrachloroethane	U		0.000565	0.00283	1	10/11/2019 17:24	WG1360981
1,1,2,2-Tetrachloroethane	U		0.000441	0.00283	1	10/11/2019 17:24	WG1360981
1,1,2-Trichlorotrifluoroethane	U		0.000763	0.00283	1	10/11/2019 17:24	WG1360981
Tetrachloroethene	0.0303		0.000791	0.00283	1	10/11/2019 17:24	WG1360981
Toluene	0.0101		0.00141	0.00565	1	10/11/2019 17:24	WG1360981
1,2,3-Trichlorobenzene	U		0.000706	0.00283	1	10/11/2019 17:24	WG1360981
1,2,4-Trichlorobenzene	U		0.00545	0.0141	1	10/11/2019 17:24	WG1360981
1,1,1-Trichloroethane	U		0.000311	0.00283	1	10/11/2019 17:24	WG1360981
1,1,2-Trichloroethane	U		0.000998	0.00283	1	10/11/2019 17:24	WG1360981
Trichloroethene	0.321		0.000452	0.00113	1	10/11/2019 17:24	WG1360981
Trichlorofluoromethane	U		0.000565	0.00283	1	10/11/2019 17:24	WG1360981
1,2,3-Trichloropropane	U		0.00576	0.0141	1	10/11/2019 17:24	WG1360981
1,2,4-Trimethylbenzene	U		0.00131	0.00565	1	10/11/2019 17:24	WG1360981
1,2,3-Trimethylbenzene	U		0.00130	0.00565	1	10/11/2019 17:24	WG1360981
1,3,5-Trimethylbenzene	U		0.00122	0.00565	1	10/11/2019 17:24	WG1360981
Vinyl acetate	U		0.00398	0.0141	1	10/11/2019 17:24	WG1360981
Vinyl chloride	0.00582		0.000772	0.00283	1	10/11/2019 17:24	WG1360981
Xylenes, Total	U		0.00540	0.00735	1	10/11/2019 17:24	WG1360981
(S) Toluene-d8	*104*			*75.0-131*		*10/11/2019 17:24*	WG1360981
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*10/11/2019 17:24*	WG1360981
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*		*10/11/2019 17:24*	WG1360981

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	10/08/2019 11:27	WG1358898

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0234	J	0.0164	0.0299	1	10/11/2019 17:43	WG1360981
Acrylonitrile	0.00457	J	0.00228	0.0150	1	10/11/2019 17:43	WG1360981
Benzene	U		0.000479	0.00120	1	10/11/2019 17:43	WG1360981
Bromobenzene	U		0.00126	0.0150	1	10/11/2019 17:43	WG1360981
Bromodichloromethane	U		0.000944	0.00299	1	10/11/2019 17:43	WG1360981
Bromochloromethane	U		0.00135	0.00599	1	10/11/2019 17:43	WG1360981
Bromoform	U		0.00716	0.0299	1	10/11/2019 17:43	WG1360981
Bromomethane	U		0.00443	0.0150	1	10/11/2019 17:43	WG1360981
n-Butylbenzene	U		0.00460	0.0150	1	10/11/2019 17:43	WG1360981
sec-Butylbenzene	U		0.00303	0.0150	1	10/11/2019 17:43	WG1360981
tert-Butylbenzene	U		0.00186	0.00599	1	10/11/2019 17:43	WG1360981
Carbon disulfide	U		0.00486	0.0150	1	10/11/2019 17:43	WG1360981
Carbon tetrachloride	U		0.00129	0.00599	1	10/11/2019 17:43	WG1360981
Chlorobenzene	U		0.000686	0.00299	1	10/11/2019 17:43	WG1360981
Chlorodibromomethane	U		0.000539	0.00299	1	10/11/2019 17:43	WG1360981
Chloroethane	U		0.00129	0.00599	1	10/11/2019 17:43	WG1360981
Chloroform	U		0.000497	0.00299	1	10/11/2019 17:43	WG1360981
Chloromethane	U		0.00166	0.0150	1	10/11/2019 17:43	WG1360981
2-Chlorotoluene	U		0.00110	0.00299	1	10/11/2019 17:43	WG1360981
4-Chlorotoluene	U		0.00135	0.00599	1	10/11/2019 17:43	WG1360981
1,2-Dibromo-3-Chloropropane	U		0.00611	0.0299	1	10/11/2019 17:43	WG1360981
1,2-Dibromoethane	U		0.000629	0.00299	1	10/11/2019 17:43	WG1360981
Dibromomethane	U		0.00120	0.00599	1	10/11/2019 17:43	WG1360981
1,2-Dichlorobenzene	U		0.00174	0.00599	1	10/11/2019 17:43	WG1360981
1,3-Dichlorobenzene	U		0.00204	0.00599	1	10/11/2019 17:43	WG1360981
1,4-Dichlorobenzene	U		0.00236	0.00599	1	10/11/2019 17:43	WG1360981
Dichlorodifluoromethane	U	J0	0.000980	0.00299	1	10/11/2019 17:43	WG1360981
1,1-Dichloroethane	U		0.000689	0.00299	1	10/11/2019 17:43	WG1360981
1,2-Dichloroethane	U		0.000569	0.00299	1	10/11/2019 17:43	WG1360981
1,1-Dichloroethene	U		0.000599	0.00299	1	10/11/2019 17:43	WG1360981
cis-1,2-Dichloroethene	0.794		0.000826	0.00299	1	10/11/2019 17:43	WG1360981
trans-1,2-Dichloroethene	0.00811		0.00171	0.00599	1	10/11/2019 17:43	WG1360981
1,2-Dichloropropane	U		0.00152	0.00599	1	10/11/2019 17:43	WG1360981
1,1-Dichloropropene	U		0.000838	0.00299	1	10/11/2019 17:43	WG1360981
1,3-Dichloropropane	U		0.00210	0.00599	1	10/11/2019 17:43	WG1360981
cis-1,3-Dichloropropene	U		0.000812	0.00299	1	10/11/2019 17:43	WG1360981
trans-1,3-Dichloropropene	U		0.00183	0.00599	1	10/11/2019 17:43	WG1360981
trans-1,4-Dichloro-2-butene	U		0.00168	0.00599	1	10/11/2019 17:43	WG1360981
2,2-Dichloropropane	U	J0	0.000950	0.00299	1	10/11/2019 17:43	WG1360981
Di-isopropyl ether	U		0.000419	0.00120	1	10/11/2019 17:43	WG1360981
Ethylbenzene	U		0.000635	0.00299	1	10/11/2019 17:43	WG1360981
Hexachloro-1,3-butadiene	U		0.0152	0.0299	1	10/11/2019 17:43	WG1360981
2-Hexanone	U		0.0120	0.0299	1	10/11/2019 17:43	WG1360981
n-Hexane	0.0298		0.00127	0.00599	1	10/11/2019 17:43	WG1360981
Iodomethane	U		0.00725	0.0150	1	10/11/2019 17:43	WG1360981
Isopropylbenzene	U		0.00103	0.00299	1	10/11/2019 17:43	WG1360981
p-Isopropyltoluene	U		0.00279	0.00599	1	10/11/2019 17:43	WG1360981
2-Butanone (MEK)	0.0196	B J	0.0150	0.0299	1	10/11/2019 17:43	WG1360981
Methylene Chloride	U		0.00795	0.0299	1	10/11/2019 17:43	WG1360981
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.0299	1	10/11/2019 17:43	WG1360981

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000353	0.00120	1	10/11/2019 17:43	WG1360981
Naphthalene	U		0.00374	0.0150	1	10/11/2019 17:43	WG1360981
n-Propylbenzene	U		0.00141	0.00599	1	10/11/2019 17:43	WG1360981
Styrene	U		0.00327	0.0150	1	10/11/2019 17:43	WG1360981
1,1,1,2-Tetrachloroethane	U		0.000599	0.00299	1	10/11/2019 17:43	WG1360981
1,1,2,2-Tetrachloroethane	U		0.000467	0.00299	1	10/11/2019 17:43	WG1360981
1,1,2-Trichlorotrifluoroethane	U		0.000808	0.00299	1	10/11/2019 17:43	WG1360981
Tetrachloroethene	0.0231		0.000838	0.00299	1	10/11/2019 17:43	WG1360981
Toluene	0.0140		0.00150	0.00599	1	10/11/2019 17:43	WG1360981
1,2,3-Trichlorobenzene	U		0.000748	0.00299	1	10/11/2019 17:43	WG1360981
1,2,4-Trichlorobenzene	U		0.00577	0.0150	1	10/11/2019 17:43	WG1360981
1,1,1-Trichloroethane	U		0.000329	0.00299	1	10/11/2019 17:43	WG1360981
1,1,2-Trichloroethane	U		0.00106	0.00299	1	10/11/2019 17:43	WG1360981
Trichloroethene	0.416		0.000479	0.00120	1	10/11/2019 17:43	WG1360981
Trichlorofluoromethane	U		0.000599	0.00299	1	10/11/2019 17:43	WG1360981
1,2,3-Trichloropropane	U		0.00611	0.0150	1	10/11/2019 17:43	WG1360981
1,2,4-Trimethylbenzene	U		0.00139	0.00599	1	10/11/2019 17:43	WG1360981
1,2,3-Trimethylbenzene	U		0.00138	0.00599	1	10/11/2019 17:43	WG1360981
1,3,5-Trimethylbenzene	U		0.00129	0.00599	1	10/11/2019 17:43	WG1360981
Vinyl acetate	U		0.00422	0.0150	1	10/11/2019 17:43	WG1360981
Vinyl chloride	0.0151		0.000818	0.00299	1	10/11/2019 17:43	WG1360981
Xylenes, Total	U		0.00572	0.00778	1	10/11/2019 17:43	WG1360981
(S) Toluene-d8	*106*			*75.0-131*		*10/11/2019 17:43*	WG1360981
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*10/11/2019 17:43*	WG1360981
(S) 1,2-Dichloroethane-d4	*97.4*			*70.0-130*		*10/11/2019 17:43*	WG1360981

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.9		1	10/08/2019 11:27	WG1358898

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0966		0.0388	0.0708	2.32	10/11/2019 18:04	WG1360981
Acrylonitrile	U		0.00539	0.0354	2.32	10/11/2019 18:04	WG1360981
Benzene	U		0.00113	0.00283	2.32	10/11/2019 18:04	WG1360981
Bromobenzene	U		0.00298	0.0354	2.32	10/11/2019 18:04	WG1360981
Bromodichloromethane	U		0.00223	0.00708	2.32	10/11/2019 18:04	WG1360981
Bromochloromethane	U		0.00320	0.0142	2.32	10/11/2019 18:04	WG1360981
Bromoform	U		0.0170	0.0708	2.32	10/11/2019 18:04	WG1360981
Bromomethane	U		0.0105	0.0354	2.32	10/11/2019 18:04	WG1360981
n-Butylbenzene	U		0.0109	0.0354	2.32	10/11/2019 18:04	WG1360981
sec-Butylbenzene	U		0.00717	0.0354	2.32	10/11/2019 18:04	WG1360981
tert-Butylbenzene	U		0.00440	0.0142	2.32	10/11/2019 18:04	WG1360981
Carbon disulfide	U		0.0115	0.0354	2.32	10/11/2019 18:04	WG1360981
Carbon tetrachloride	U		0.00307	0.0142	2.32	10/11/2019 18:04	WG1360981
Chlorobenzene	U		0.00162	0.00708	2.32	10/11/2019 18:04	WG1360981
Chlorodibromomethane	U		0.00127	0.00708	2.32	10/11/2019 18:04	WG1360981
Chloroethane	U		0.00307	0.0142	2.32	10/11/2019 18:04	WG1360981
Chloroform	U		0.00118	0.00708	2.32	10/11/2019 18:04	WG1360981
Chloromethane	U		0.00393	0.0354	2.32	10/11/2019 18:04	WG1360981
2-Chlorotoluene	U		0.00260	0.00708	2.32	10/11/2019 18:04	WG1360981
4-Chlorotoluene	U		0.00320	0.0142	2.32	10/11/2019 18:04	WG1360981
1,2-Dibromo-3-Chloropropane	U		0.0144	0.0708	2.32	10/11/2019 18:04	WG1360981
1,2-Dibromoethane	U		0.00149	0.00708	2.32	10/11/2019 18:04	WG1360981
Dibromomethane	U		0.00283	0.0142	2.32	10/11/2019 18:04	WG1360981
1,2-Dichlorobenzene	U		0.00410	0.0142	2.32	10/11/2019 18:04	WG1360981
1,3-Dichlorobenzene	U		0.00481	0.0142	2.32	10/11/2019 18:04	WG1360981
1,4-Dichlorobenzene	U		0.00558	0.0142	2.32	10/11/2019 18:04	WG1360981
Dichlorodifluoromethane	U	J0	0.00232	0.00708	2.32	10/11/2019 18:04	WG1360981
1,1-Dichloroethane	U		0.00162	0.00708	2.32	10/11/2019 18:04	WG1360981
1,2-Dichloroethane	U		0.00134	0.00708	2.32	10/11/2019 18:04	WG1360981
1,1-Dichloroethene	U		0.00142	0.00708	2.32	10/11/2019 18:04	WG1360981
cis-1,2-Dichloroethene	1.61		0.00195	0.00708	2.32	10/11/2019 18:04	WG1360981
trans-1,2-Dichloroethene	U		0.00405	0.0142	2.32	10/11/2019 18:04	WG1360981
1,2-Dichloropropane	U		0.00360	0.0142	2.32	10/11/2019 18:04	WG1360981
1,1-Dichloropropene	U		0.00198	0.00708	2.32	10/11/2019 18:04	WG1360981
1,3-Dichloropropane	U		0.00496	0.0142	2.32	10/11/2019 18:04	WG1360981
cis-1,3-Dichloropropene	U		0.00192	0.00708	2.32	10/11/2019 18:04	WG1360981
trans-1,3-Dichloropropene	U		0.00434	0.0142	2.32	10/11/2019 18:04	WG1360981
trans-1,4-Dichloro-2-butene	U		0.00397	0.0142	2.32	10/11/2019 18:04	WG1360981
2,2-Dichloropropane	U	J0	0.00225	0.00708	2.32	10/11/2019 18:04	WG1360981
Di-isopropyl ether	U		0.000992	0.00283	2.32	10/11/2019 18:04	WG1360981
Ethylbenzene	U		0.00150	0.00708	2.32	10/11/2019 18:04	WG1360981
Hexachloro-1,3-butadiene	U		0.0360	0.0708	2.32	10/11/2019 18:04	WG1360981
2-Hexanone	U		0.0283	0.0708	2.32	10/11/2019 18:04	WG1360981
n-Hexane	0.0145		0.00300	0.0142	2.32	10/11/2019 18:04	WG1360981
Iodomethane	U		0.0171	0.0354	2.32	10/11/2019 18:04	WG1360981
Isopropylbenzene	U		0.00244	0.00708	2.32	10/11/2019 18:04	WG1360981
p-Isopropyltoluene	U		0.00661	0.0142	2.32	10/11/2019 18:04	WG1360981
2-Butanone (MEK)	0.0390	B J	0.0354	0.0708	2.32	10/11/2019 18:04	WG1360981
Methylene Chloride	0.0253	J	0.0188	0.0708	2.32	10/11/2019 18:04	WG1360981
4-Methyl-2-pentanone (MIBK)	U		0.0283	0.0708	2.32	10/11/2019 18:04	WG1360981

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000835	0.00283	2.32	10/11/2019 18:04	WG1360981
Naphthalene	U		0.00884	0.0354	2.32	10/11/2019 18:04	WG1360981
n-Propylbenzene	U		0.00335	0.0142	2.32	10/11/2019 18:04	WG1360981
Styrene	U		0.00773	0.0354	2.32	10/11/2019 18:04	WG1360981
1,1,1,2-Tetrachloroethane	U		0.00142	0.00708	2.32	10/11/2019 18:04	WG1360981
1,1,2,2-Tetrachloroethane	U		0.00111	0.00708	2.32	10/11/2019 18:04	WG1360981
1,1,2-Trichlorotrifluoroethane	U		0.00192	0.00708	2.32	10/11/2019 18:04	WG1360981
Tetrachloroethene	0.0125		0.00198	0.00708	2.32	10/11/2019 18:04	WG1360981
Toluene	0.0482		0.00354	0.0142	2.32	10/11/2019 18:04	WG1360981
1,2,3-Trichlorobenzene	U		0.00177	0.00708	2.32	10/11/2019 18:04	WG1360981
1,2,4-Trichlorobenzene	U		0.0137	0.0354	2.32	10/11/2019 18:04	WG1360981
1,1,1-Trichloroethane	U		0.000779	0.00708	2.32	10/11/2019 18:04	WG1360981
1,1,2-Trichloroethane	U		0.00250	0.00708	2.32	10/11/2019 18:04	WG1360981
Trichloroethene	0.0990		0.00113	0.00283	2.32	10/11/2019 18:04	WG1360981
Trichlorofluoromethane	U		0.00142	0.00708	2.32	10/11/2019 18:04	WG1360981
1,2,3-Trichloropropane	U		0.0144	0.0354	2.32	10/11/2019 18:04	WG1360981
1,2,4-Trimethylbenzene	U		0.00328	0.0142	2.32	10/11/2019 18:04	WG1360981
1,2,3-Trimethylbenzene	U		0.00326	0.0142	2.32	10/11/2019 18:04	WG1360981
1,3,5-Trimethylbenzene	U		0.00307	0.0142	2.32	10/11/2019 18:04	WG1360981
Vinyl acetate	U		0.00998	0.0354	2.32	10/11/2019 18:04	WG1360981
Vinyl chloride	0.0225		0.00193	0.00708	2.32	10/11/2019 18:04	WG1360981
Xylenes, Total	U		0.0136	0.0184	2.32	10/11/2019 18:04	WG1360981
(S) Toluene-d8	*104*			*75.0-131*		*10/11/2019 18:04*	WG1360981
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*10/11/2019 18:04*	WG1360981
(S) 1,2-Dichloroethane-d4	*99.3*			*70.0-130*		*10/11/2019 18:04*	WG1360981

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.4		1	10/08/2019 11:27	WG1358898

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0212	J	0.0164	0.0300	1	10/11/2019 18:24	WG1360981
Acrylonitrile	U		0.00228	0.0150	1	10/11/2019 18:24	WG1360981
Benzene	U		0.000480	0.00120	1	10/11/2019 18:24	WG1360981
Bromobenzene	U		0.00126	0.0150	1	10/11/2019 18:24	WG1360981
Bromodichloromethane	U		0.000945	0.00300	1	10/11/2019 18:24	WG1360981
Bromochloromethane	U		0.00135	0.00599	1	10/11/2019 18:24	WG1360981
Bromoform	U		0.00717	0.0300	1	10/11/2019 18:24	WG1360981
Bromomethane	U		0.00444	0.0150	1	10/11/2019 18:24	WG1360981
n-Butylbenzene	U		0.00460	0.0150	1	10/11/2019 18:24	WG1360981
sec-Butylbenzene	U		0.00303	0.0150	1	10/11/2019 18:24	WG1360981
tert-Butylbenzene	U		0.00186	0.00599	1	10/11/2019 18:24	WG1360981
Carbon disulfide	U		0.00487	0.0150	1	10/11/2019 18:24	WG1360981
Carbon tetrachloride	U		0.00129	0.00599	1	10/11/2019 18:24	WG1360981
Chlorobenzene	U		0.000687	0.00300	1	10/11/2019 18:24	WG1360981
Chlorodibromomethane	U		0.000539	0.00300	1	10/11/2019 18:24	WG1360981
Chloroethane	U		0.00129	0.00599	1	10/11/2019 18:24	WG1360981
Chloroform	U		0.000498	0.00300	1	10/11/2019 18:24	WG1360981
Chloromethane	U		0.00167	0.0150	1	10/11/2019 18:24	WG1360981
2-Chlorotoluene	U		0.00110	0.00300	1	10/11/2019 18:24	WG1360981
4-Chlorotoluene	U		0.00135	0.00599	1	10/11/2019 18:24	WG1360981
1,2-Dibromo-3-Chloropropane	U		0.00611	0.0300	1	10/11/2019 18:24	WG1360981
1,2-Dibromoethane	U		0.000629	0.00300	1	10/11/2019 18:24	WG1360981
Dibromomethane	U		0.00120	0.00599	1	10/11/2019 18:24	WG1360981
1,2-Dichlorobenzene	U		0.00174	0.00599	1	10/11/2019 18:24	WG1360981
1,3-Dichlorobenzene	U		0.00204	0.00599	1	10/11/2019 18:24	WG1360981
1,4-Dichlorobenzene	U		0.00236	0.00599	1	10/11/2019 18:24	WG1360981
Dichlorodifluoromethane	U	J0	0.000981	0.00300	1	10/11/2019 18:24	WG1360981
1,1-Dichloroethane	U		0.000689	0.00300	1	10/11/2019 18:24	WG1360981
1,2-Dichloroethane	U		0.000569	0.00300	1	10/11/2019 18:24	WG1360981
1,1-Dichloroethene	U		0.000599	0.00300	1	10/11/2019 18:24	WG1360981
cis-1,2-Dichloroethene	0.433		0.000827	0.00300	1	10/11/2019 18:24	WG1360981
trans-1,2-Dichloroethene	U		0.00171	0.00599	1	10/11/2019 18:24	WG1360981
1,2-Dichloropropane	U		0.00152	0.00599	1	10/11/2019 18:24	WG1360981
1,1-Dichloropropene	U		0.000839	0.00300	1	10/11/2019 18:24	WG1360981
1,3-Dichloropropane	U		0.00210	0.00599	1	10/11/2019 18:24	WG1360981
cis-1,3-Dichloropropene	U		0.000813	0.00300	1	10/11/2019 18:24	WG1360981
trans-1,3-Dichloropropene	U		0.00183	0.00599	1	10/11/2019 18:24	WG1360981
trans-1,4-Dichloro-2-butene	U		0.00168	0.00599	1	10/11/2019 18:24	WG1360981
2,2-Dichloropropane	U	J0	0.000951	0.00300	1	10/11/2019 18:24	WG1360981
Di-isopropyl ether	U		0.000420	0.00120	1	10/11/2019 18:24	WG1360981
Ethylbenzene	U		0.000635	0.00300	1	10/11/2019 18:24	WG1360981
Hexachloro-1,3-butadiene	U		0.0152	0.0300	1	10/11/2019 18:24	WG1360981
2-Hexanone	U		0.0120	0.0300	1	10/11/2019 18:24	WG1360981
n-Hexane	0.0175		0.00127	0.00599	1	10/11/2019 18:24	WG1360981
Iodomethane	U		0.00725	0.0150	1	10/11/2019 18:24	WG1360981
Isopropylbenzene	U		0.00103	0.00300	1	10/11/2019 18:24	WG1360981
p-Isopropyltoluene	U		0.00279	0.00599	1	10/11/2019 18:24	WG1360981
2-Butanone (MEK)	0.0215	B J	0.0150	0.0300	1	10/11/2019 18:24	WG1360981
Methylene Chloride	0.00910	J	0.00796	0.0300	1	10/11/2019 18:24	WG1360981
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.0300	1	10/11/2019 18:24	WG1360981

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000354	0.00120	1	10/11/2019 18:24	WG1360981
Naphthalene	U		0.00374	0.0150	1	10/11/2019 18:24	WG1360981
n-Propylbenzene	U		0.00141	0.00599	1	10/11/2019 18:24	WG1360981
Styrene	U		0.00327	0.0150	1	10/11/2019 18:24	WG1360981
1,1,1,2-Tetrachloroethane	U		0.000599	0.00300	1	10/11/2019 18:24	WG1360981
1,1,2,2-Tetrachloroethane	U		0.000468	0.00300	1	10/11/2019 18:24	WG1360981
1,1,2-Trichlorotrifluoroethane	U		0.000809	0.00300	1	10/11/2019 18:24	WG1360981
Tetrachloroethene	0.00833		0.000839	0.00300	1	10/11/2019 18:24	WG1360981
Toluene	0.00831		0.00150	0.00599	1	10/11/2019 18:24	WG1360981
1,2,3-Trichlorobenzene	U		0.000749	0.00300	1	10/11/2019 18:24	WG1360981
1,2,4-Trichlorobenzene	U		0.00578	0.0150	1	10/11/2019 18:24	WG1360981
1,1,1-Trichloroethane	U		0.000330	0.00300	1	10/11/2019 18:24	WG1360981
1,1,2-Trichloroethane	U		0.00106	0.00300	1	10/11/2019 18:24	WG1360981
Trichloroethene	0.0303		0.000480	0.00120	1	10/11/2019 18:24	WG1360981
Trichlorofluoromethane	U		0.000599	0.00300	1	10/11/2019 18:24	WG1360981
1,2,3-Trichloropropane	U		0.00611	0.0150	1	10/11/2019 18:24	WG1360981
1,2,4-Trimethylbenzene	U		0.00139	0.00599	1	10/11/2019 18:24	WG1360981
1,2,3-Trimethylbenzene	U		0.00138	0.00599	1	10/11/2019 18:24	WG1360981
1,3,5-Trimethylbenzene	U		0.00129	0.00599	1	10/11/2019 18:24	WG1360981
Vinyl acetate	U		0.00422	0.0150	1	10/11/2019 18:24	WG1360981
Vinyl chloride	0.0195		0.000819	0.00300	1	10/11/2019 18:24	WG1360981
Xylenes, Total	U		0.00573	0.00779	1	10/11/2019 18:24	WG1360981
(S) Toluene-d8	*104*			*75.0-131*		*10/11/2019 18:24*	WG1360981
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*10/11/2019 18:24*	WG1360981
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*10/11/2019 18:24*	WG1360981

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	10/08/2019 11:01	WG1358899

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0198	J	0.0158	0.0289	1	10/11/2019 18:45	WG1360981
Acrylonitrile	U		0.00220	0.0145	1	10/11/2019 18:45	WG1360981
Benzene	U		0.000462	0.00116	1	10/11/2019 18:45	WG1360981
Bromobenzene	U		0.00121	0.0145	1	10/11/2019 18:45	WG1360981
Bromodichloromethane	U		0.000911	0.00289	1	10/11/2019 18:45	WG1360981
Bromochloromethane	U		0.00131	0.00578	1	10/11/2019 18:45	WG1360981
Bromoform	U		0.00691	0.0289	1	10/11/2019 18:45	WG1360981
Bromomethane	U		0.00428	0.0145	1	10/11/2019 18:45	WG1360981
n-Butylbenzene	U		0.00444	0.0145	1	10/11/2019 18:45	WG1360981
sec-Butylbenzene	U		0.00292	0.0145	1	10/11/2019 18:45	WG1360981
tert-Butylbenzene	U		0.00179	0.00578	1	10/11/2019 18:45	WG1360981
Carbon disulfide	U		0.00469	0.0145	1	10/11/2019 18:45	WG1360981
Carbon tetrachloride	U		0.00125	0.00578	1	10/11/2019 18:45	WG1360981
Chlorobenzene	U		0.000662	0.00289	1	10/11/2019 18:45	WG1360981
Chlorodibromomethane	U		0.000520	0.00289	1	10/11/2019 18:45	WG1360981
Chloroethane	U		0.00125	0.00578	1	10/11/2019 18:45	WG1360981
Chloroform	U		0.000480	0.00289	1	10/11/2019 18:45	WG1360981
Chloromethane	U		0.00161	0.0145	1	10/11/2019 18:45	WG1360981
2-Chlorotoluene	U		0.00106	0.00289	1	10/11/2019 18:45	WG1360981
4-Chlorotoluene	U		0.00131	0.00578	1	10/11/2019 18:45	WG1360981
1,2-Dibromo-3-Chloropropane	U		0.00590	0.0289	1	10/11/2019 18:45	WG1360981
1,2-Dibromoethane	U		0.000607	0.00289	1	10/11/2019 18:45	WG1360981
Dibromomethane	U		0.00116	0.00578	1	10/11/2019 18:45	WG1360981
1,2-Dichlorobenzene	U		0.00168	0.00578	1	10/11/2019 18:45	WG1360981
1,3-Dichlorobenzene	U		0.00197	0.00578	1	10/11/2019 18:45	WG1360981
1,4-Dichlorobenzene	U		0.00228	0.00578	1	10/11/2019 18:45	WG1360981
Dichlorodifluoromethane	U	J0	0.000946	0.00289	1	10/11/2019 18:45	WG1360981
1,1-Dichloroethane	U		0.000665	0.00289	1	10/11/2019 18:45	WG1360981
1,2-Dichloroethane	U		0.000549	0.00289	1	10/11/2019 18:45	WG1360981
1,1-Dichloroethene	U		0.000578	0.00289	1	10/11/2019 18:45	WG1360981
cis-1,2-Dichloroethene	0.325		0.000798	0.00289	1	10/11/2019 18:45	WG1360981
trans-1,2-Dichloroethene	U		0.00165	0.00578	1	10/11/2019 18:45	WG1360981
1,2-Dichloropropane	U		0.00147	0.00578	1	10/11/2019 18:45	WG1360981
1,1-Dichloropropene	U		0.000809	0.00289	1	10/11/2019 18:45	WG1360981
1,3-Dichloropropane	U		0.00202	0.00578	1	10/11/2019 18:45	WG1360981
cis-1,3-Dichloropropene	U		0.000784	0.00289	1	10/11/2019 18:45	WG1360981
trans-1,3-Dichloropropene	U		0.00177	0.00578	1	10/11/2019 18:45	WG1360981
trans-1,4-Dichloro-2-butene	U		0.00162	0.00578	1	10/11/2019 18:45	WG1360981
2,2-Dichloropropane	U	J0	0.000917	0.00289	1	10/11/2019 18:45	WG1360981
Di-isopropyl ether	U		0.000405	0.00116	1	10/11/2019 18:45	WG1360981
Ethylbenzene	U		0.000613	0.00289	1	10/11/2019 18:45	WG1360981
Hexachloro-1,3-butadiene	U		0.0147	0.0289	1	10/11/2019 18:45	WG1360981
2-Hexanone	U		0.0116	0.0289	1	10/11/2019 18:45	WG1360981
n-Hexane	0.0188		0.00123	0.00578	1	10/11/2019 18:45	WG1360981
Iodomethane	U		0.00699	0.0145	1	10/11/2019 18:45	WG1360981
Isopropylbenzene	U		0.000998	0.00289	1	10/11/2019 18:45	WG1360981
p-Isopropyltoluene	U		0.00269	0.00578	1	10/11/2019 18:45	WG1360981
2-Butanone (MEK)	0.0215	B J	0.0145	0.0289	1	10/11/2019 18:45	WG1360981
Methylene Chloride	0.00955	J	0.00768	0.0289	1	10/11/2019 18:45	WG1360981
4-Methyl-2-pentanone (MIBK)	U		0.0116	0.0289	1	10/11/2019 18:45	WG1360981

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000341	0.00116	1	10/11/2019 18:45	WG1360981
Naphthalene	U		0.00361	0.0145	1	10/11/2019 18:45	WG1360981
n-Propylbenzene	U		0.00136	0.00578	1	10/11/2019 18:45	WG1360981
Styrene	U		0.00316	0.0145	1	10/11/2019 18:45	WG1360981
1,1,1,2-Tetrachloroethane	U		0.000578	0.00289	1	10/11/2019 18:45	WG1360981
1,1,2,2-Tetrachloroethane	U		0.000451	0.00289	1	10/11/2019 18:45	WG1360981
1,1,2-Trichlorotrifluoroethane	U		0.000780	0.00289	1	10/11/2019 18:45	WG1360981
Tetrachloroethene	U		0.000809	0.00289	1	10/11/2019 18:45	WG1360981
Toluene	0.00869		0.00145	0.00578	1	10/11/2019 18:45	WG1360981
1,2,3-Trichlorobenzene	U		0.000723	0.00289	1	10/11/2019 18:45	WG1360981
1,2,4-Trichlorobenzene	U		0.00557	0.0145	1	10/11/2019 18:45	WG1360981
1,1,1-Trichloroethane	U		0.000318	0.00289	1	10/11/2019 18:45	WG1360981
1,1,2-Trichloroethane	U		0.00102	0.00289	1	10/11/2019 18:45	WG1360981
Trichloroethene	0.0115		0.000462	0.00116	1	10/11/2019 18:45	WG1360981
Trichlorofluoromethane	U		0.000578	0.00289	1	10/11/2019 18:45	WG1360981
1,2,3-Trichloropropane	U		0.00590	0.0145	1	10/11/2019 18:45	WG1360981
1,2,4-Trimethylbenzene	U		0.00134	0.00578	1	10/11/2019 18:45	WG1360981
1,2,3-Trimethylbenzene	U		0.00133	0.00578	1	10/11/2019 18:45	WG1360981
1,3,5-Trimethylbenzene	U		0.00125	0.00578	1	10/11/2019 18:45	WG1360981
Vinyl acetate	U		0.00407	0.0145	1	10/11/2019 18:45	WG1360981
Vinyl chloride	0.0146		0.000790	0.00289	1	10/11/2019 18:45	WG1360981
Xylenes, Total	U		0.00553	0.00751	1	10/11/2019 18:45	WG1360981
(S) Toluene-d8	*104*			*75.0-131*		*10/11/2019 18:45*	WG1360981
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*10/11/2019 18:45*	WG1360981
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*10/11/2019 18:45*	WG1360981

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	10/08/2019 11:01	WG1358899

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0201	J	0.0162	0.0295	1	10/11/2019 19:05	WG1360981
Acrylonitrile	U		0.00224	0.0148	1	10/11/2019 19:05	WG1360981
Benzene	U		0.000472	0.00118	1	10/11/2019 19:05	WG1360981
Bromobenzene	U		0.00124	0.0148	1	10/11/2019 19:05	WG1360981
Bromodichloromethane	U		0.000930	0.00295	1	10/11/2019 19:05	WG1360981
Bromochloromethane	U		0.00133	0.00590	1	10/11/2019 19:05	WG1360981
Bromoform	U		0.00706	0.0295	1	10/11/2019 19:05	WG1360981
Bromomethane	U		0.00437	0.0148	1	10/11/2019 19:05	WG1360981
n-Butylbenzene	U		0.00453	0.0148	1	10/11/2019 19:05	WG1360981
sec-Butylbenzene	U		0.00299	0.0148	1	10/11/2019 19:05	WG1360981
tert-Butylbenzene	U		0.00183	0.00590	1	10/11/2019 19:05	WG1360981
Carbon disulfide	U		0.00479	0.0148	1	10/11/2019 19:05	WG1360981
Carbon tetrachloride	U		0.00128	0.00590	1	10/11/2019 19:05	WG1360981
Chlorobenzene	U		0.000677	0.00295	1	10/11/2019 19:05	WG1360981
Chlorodibromomethane	U		0.000531	0.00295	1	10/11/2019 19:05	WG1360981
Chloroethane	U		0.00128	0.00590	1	10/11/2019 19:05	WG1360981
Chloroform	U		0.000490	0.00295	1	10/11/2019 19:05	WG1360981
Chloromethane	U		0.00164	0.0148	1	10/11/2019 19:05	WG1360981
2-Chlorotoluene	U		0.00109	0.00295	1	10/11/2019 19:05	WG1360981
4-Chlorotoluene	U		0.00133	0.00590	1	10/11/2019 19:05	WG1360981
1,2-Dibromo-3-Chloropropane	U		0.00602	0.0295	1	10/11/2019 19:05	WG1360981
1,2-Dibromoethane	U		0.000620	0.00295	1	10/11/2019 19:05	WG1360981
Dibromomethane	U		0.00118	0.00590	1	10/11/2019 19:05	WG1360981
1,2-Dichlorobenzene	U		0.00171	0.00590	1	10/11/2019 19:05	WG1360981
1,3-Dichlorobenzene	U		0.00201	0.00590	1	10/11/2019 19:05	WG1360981
1,4-Dichlorobenzene	U		0.00233	0.00590	1	10/11/2019 19:05	WG1360981
Dichlorodifluoromethane	U	J0	0.000966	0.00295	1	10/11/2019 19:05	WG1360981
1,1-Dichloroethane	U		0.000679	0.00295	1	10/11/2019 19:05	WG1360981
1,2-Dichloroethane	U		0.000561	0.00295	1	10/11/2019 19:05	WG1360981
1,1-Dichloroethene	U		0.000590	0.00295	1	10/11/2019 19:05	WG1360981
cis-1,2-Dichloroethene	U		0.000815	0.00295	1	10/11/2019 19:05	WG1360981
trans-1,2-Dichloroethene	U		0.00169	0.00590	1	10/11/2019 19:05	WG1360981
1,2-Dichloropropane	U		0.00150	0.00590	1	10/11/2019 19:05	WG1360981
1,1-Dichloropropene	U		0.000827	0.00295	1	10/11/2019 19:05	WG1360981
1,3-Dichloropropane	U		0.00207	0.00590	1	10/11/2019 19:05	WG1360981
cis-1,3-Dichloropropene	U		0.000801	0.00295	1	10/11/2019 19:05	WG1360981
trans-1,3-Dichloropropene	U		0.00181	0.00590	1	10/11/2019 19:05	WG1360981
trans-1,4-Dichloro-2-butene	U		0.00165	0.00590	1	10/11/2019 19:05	WG1360981
2,2-Dichloropropane	U	J0	0.000936	0.00295	1	10/11/2019 19:05	WG1360981
Di-isopropyl ether	U		0.000413	0.00118	1	10/11/2019 19:05	WG1360981
Ethylbenzene	U		0.000626	0.00295	1	10/11/2019 19:05	WG1360981
Hexachloro-1,3-butadiene	U		0.0150	0.0295	1	10/11/2019 19:05	WG1360981
2-Hexanone	U		0.0118	0.0295	1	10/11/2019 19:05	WG1360981
n-Hexane	0.00978		0.00125	0.00590	1	10/11/2019 19:05	WG1360981
Iodomethane	U		0.00714	0.0148	1	10/11/2019 19:05	WG1360981
Isopropylbenzene	U		0.00102	0.00295	1	10/11/2019 19:05	WG1360981
p-Isopropyltoluene	U		0.00275	0.00590	1	10/11/2019 19:05	WG1360981
2-Butanone (MEK)	0.0224	B J	0.0148	0.0295	1	10/11/2019 19:05	WG1360981
Methylene Chloride	U		0.00784	0.0295	1	10/11/2019 19:05	WG1360981
4-Methyl-2-pentanone (MIBK)	U		0.0118	0.0295	1	10/11/2019 19:05	WG1360981

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000348	0.00118	1	10/11/2019 19:05	WG1360981
Naphthalene	U		0.00368	0.0148	1	10/11/2019 19:05	WG1360981
n-Propylbenzene	U		0.00139	0.00590	1	10/11/2019 19:05	WG1360981
Styrene	U		0.00322	0.0148	1	10/11/2019 19:05	WG1360981
1,1,1,2-Tetrachloroethane	U		0.000590	0.00295	1	10/11/2019 19:05	WG1360981
1,1,2,2-Tetrachloroethane	U		0.000461	0.00295	1	10/11/2019 19:05	WG1360981
1,1,2-Trichlorotrifluoroethane	U		0.000797	0.00295	1	10/11/2019 19:05	WG1360981
Tetrachloroethene	U		0.000827	0.00295	1	10/11/2019 19:05	WG1360981
Toluene	0.00492	J	0.00148	0.00590	1	10/11/2019 19:05	WG1360981
1,2,3-Trichlorobenzene	U		0.000738	0.00295	1	10/11/2019 19:05	WG1360981
1,2,4-Trichlorobenzene	U		0.00569	0.0148	1	10/11/2019 19:05	WG1360981
1,1,1-Trichloroethane	U		0.000325	0.00295	1	10/11/2019 19:05	WG1360981
1,1,2-Trichloroethane	U		0.00104	0.00295	1	10/11/2019 19:05	WG1360981
Trichloroethene	U		0.000472	0.00118	1	10/11/2019 19:05	WG1360981
Trichlorofluoromethane	U		0.000590	0.00295	1	10/11/2019 19:05	WG1360981
1,2,3-Trichloropropane	U		0.00602	0.0148	1	10/11/2019 19:05	WG1360981
1,2,4-Trimethylbenzene	U		0.00137	0.00590	1	10/11/2019 19:05	WG1360981
1,2,3-Trimethylbenzene	U		0.00136	0.00590	1	10/11/2019 19:05	WG1360981
1,3,5-Trimethylbenzene	U		0.00128	0.00590	1	10/11/2019 19:05	WG1360981
Vinyl acetate	U		0.00416	0.0148	1	10/11/2019 19:05	WG1360981
Vinyl chloride	U		0.000806	0.00295	1	10/11/2019 19:05	WG1360981
Xylenes, Total	U		0.00564	0.00768	1	10/11/2019 19:05	WG1360981
(S) Toluene-d8	*106*			*75.0-131*		*10/11/2019 19:05*	WG1360981
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*10/11/2019 19:05*	WG1360981
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*10/11/2019 19:05*	WG1360981

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.2		1	10/08/2019 11:01	WG1358899

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0602	J	0.0336	0.0613	2.16	10/11/2019 19:26	WG1360981
Acrylonitrile	U		0.00465	0.0306	2.16	10/11/2019 19:26	WG1360981
Benzene	U		0.000980	0.00245	2.16	10/11/2019 19:26	WG1360981
Bromobenzene	U		0.00258	0.0306	2.16	10/11/2019 19:26	WG1360981
Bromodichloromethane	U		0.00193	0.00613	2.16	10/11/2019 19:26	WG1360981
Bromochloromethane	U		0.00277	0.0123	2.16	10/11/2019 19:26	WG1360981
Bromoform	U		0.0146	0.0613	2.16	10/11/2019 19:26	WG1360981
Bromomethane	U		0.00906	0.0306	2.16	10/11/2019 19:26	WG1360981
n-Butylbenzene	U		0.00940	0.0306	2.16	10/11/2019 19:26	WG1360981
sec-Butylbenzene	U		0.00619	0.0306	2.16	10/11/2019 19:26	WG1360981
tert-Butylbenzene	U		0.00380	0.0123	2.16	10/11/2019 19:26	WG1360981
Carbon disulfide	U		0.00995	0.0306	2.16	10/11/2019 19:26	WG1360981
Carbon tetrachloride	U		0.00264	0.0123	2.16	10/11/2019 19:26	WG1360981
Chlorobenzene	U		0.00141	0.00613	2.16	10/11/2019 19:26	WG1360981
Chlorodibromomethane	U		0.00110	0.00613	2.16	10/11/2019 19:26	WG1360981
Chloroethane	U		0.00264	0.0123	2.16	10/11/2019 19:26	WG1360981
Chloroform	U		0.00102	0.00613	2.16	10/11/2019 19:26	WG1360981
Chloromethane	U		0.00340	0.0306	2.16	10/11/2019 19:26	WG1360981
2-Chlorotoluene	U		0.00226	0.00613	2.16	10/11/2019 19:26	WG1360981
4-Chlorotoluene	U		0.00277	0.0123	2.16	10/11/2019 19:26	WG1360981
1,2-Dibromo-3-Chloropropane	U		0.0125	0.0613	2.16	10/11/2019 19:26	WG1360981
1,2-Dibromoethane	U		0.00128	0.00613	2.16	10/11/2019 19:26	WG1360981
Dibromomethane	U		0.00245	0.0123	2.16	10/11/2019 19:26	WG1360981
1,2-Dichlorobenzene	U		0.00355	0.0123	2.16	10/11/2019 19:26	WG1360981
1,3-Dichlorobenzene	U		0.00416	0.0123	2.16	10/11/2019 19:26	WG1360981
1,4-Dichlorobenzene	U		0.00483	0.0123	2.16	10/11/2019 19:26	WG1360981
Dichlorodifluoromethane	U	J0	0.00201	0.00613	2.16	10/11/2019 19:26	WG1360981
1,1-Dichloroethane	U		0.00141	0.00613	2.16	10/11/2019 19:26	WG1360981
1,2-Dichloroethane	U		0.00117	0.00613	2.16	10/11/2019 19:26	WG1360981
1,1-Dichloroethene	U		0.00123	0.00613	2.16	10/11/2019 19:26	WG1360981
cis-1,2-Dichloroethene	0.0150		0.00169	0.00613	2.16	10/11/2019 19:26	WG1360981
trans-1,2-Dichloroethene	U		0.00351	0.0123	2.16	10/11/2019 19:26	WG1360981
1,2-Dichloropropane	U		0.00311	0.0123	2.16	10/11/2019 19:26	WG1360981
1,1-Dichloropropene	U		0.00171	0.00613	2.16	10/11/2019 19:26	WG1360981
1,3-Dichloropropane	U		0.00429	0.0123	2.16	10/11/2019 19:26	WG1360981
cis-1,3-Dichloropropene	U		0.00166	0.00613	2.16	10/11/2019 19:26	WG1360981
trans-1,3-Dichloropropene	U		0.00374	0.0123	2.16	10/11/2019 19:26	WG1360981
trans-1,4-Dichloro-2-butene	U		0.00343	0.0123	2.16	10/11/2019 19:26	WG1360981
2,2-Dichloropropane	U	J0	0.00194	0.00613	2.16	10/11/2019 19:26	WG1360981
Di-isopropyl ether	U		0.000858	0.00245	2.16	10/11/2019 19:26	WG1360981
Ethylbenzene	U		0.00129	0.00613	2.16	10/11/2019 19:26	WG1360981
Hexachloro-1,3-butadiene	U		0.0311	0.0613	2.16	10/11/2019 19:26	WG1360981
2-Hexanone	U		0.0245	0.0613	2.16	10/11/2019 19:26	WG1360981
n-Hexane	0.0179		0.00260	0.0123	2.16	10/11/2019 19:26	WG1360981
Iodomethane	U		0.0149	0.0306	2.16	10/11/2019 19:26	WG1360981
Isopropylbenzene	U		0.00211	0.00613	2.16	10/11/2019 19:26	WG1360981
p-Isopropyltoluene	U		0.00571	0.0123	2.16	10/11/2019 19:26	WG1360981
2-Butanone (MEK)	0.0307	B J	0.0306	0.0613	2.16	10/11/2019 19:26	WG1360981
Methylene Chloride	0.0183	J	0.0162	0.0613	2.16	10/11/2019 19:26	WG1360981
4-Methyl-2-pentanone (MIBK)	U		0.0245	0.0613	2.16	10/11/2019 19:26	WG1360981

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000723	0.00245	2.16	10/11/2019 19:26	WG1360981
Naphthalene	U		0.00765	0.0306	2.16	10/11/2019 19:26	WG1360981
n-Propylbenzene	U		0.00289	0.0123	2.16	10/11/2019 19:26	WG1360981
Styrene	U		0.00669	0.0306	2.16	10/11/2019 19:26	WG1360981
1,1,1,2-Tetrachloroethane	U		0.00123	0.00613	2.16	10/11/2019 19:26	WG1360981
1,1,2,2-Tetrachloroethane	U		0.000955	0.00613	2.16	10/11/2019 19:26	WG1360981
1,1,2-Trichlorotrifluoroethane	U		0.00166	0.00613	2.16	10/11/2019 19:26	WG1360981
Tetrachloroethene	U		0.00171	0.00613	2.16	10/11/2019 19:26	WG1360981
Toluene	0.0546		0.00306	0.0123	2.16	10/11/2019 19:26	WG1360981
1,2,3-Trichlorobenzene	U		0.00153	0.00613	2.16	10/11/2019 19:26	WG1360981
1,2,4-Trichlorobenzene	U		0.0118	0.0306	2.16	10/11/2019 19:26	WG1360981
1,1,1-Trichloroethane	U		0.000674	0.00613	2.16	10/11/2019 19:26	WG1360981
1,1,2-Trichloroethane	U		0.00217	0.00613	2.16	10/11/2019 19:26	WG1360981
Trichloroethene	U		0.000980	0.00245	2.16	10/11/2019 19:26	WG1360981
Trichlorofluoromethane	U		0.00123	0.00613	2.16	10/11/2019 19:26	WG1360981
1,2,3-Trichloropropane	U		0.0125	0.0306	2.16	10/11/2019 19:26	WG1360981
1,2,4-Trimethylbenzene	U		0.00285	0.0123	2.16	10/11/2019 19:26	WG1360981
1,2,3-Trimethylbenzene	U		0.00281	0.0123	2.16	10/11/2019 19:26	WG1360981
1,3,5-Trimethylbenzene	U		0.00264	0.0123	2.16	10/11/2019 19:26	WG1360981
Vinyl acetate	U		0.00862	0.0306	2.16	10/11/2019 19:26	WG1360981
Vinyl chloride	U		0.00168	0.00613	2.16	10/11/2019 19:26	WG1360981
Xylenes, Total	U		0.0117	0.0159	2.16	10/11/2019 19:26	WG1360981
(S) Toluene-d8	*101*			*75.0-131*		*10/11/2019 19:26*	WG1360981
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*10/11/2019 19:26*	WG1360981
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*10/11/2019 19:26*	WG1360981

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	10/08/2019 11:01	WG1358899

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0362		0.0167	0.0305	1	10/11/2019 19:47	WG1360981
Acrylonitrile	U		0.00232	0.0152	1	10/11/2019 19:47	WG1360981
Benzene	U		0.000488	0.00122	1	10/11/2019 19:47	WG1360981
Bromobenzene	U		0.00128	0.0152	1	10/11/2019 19:47	WG1360981
Bromodichloromethane	U		0.000961	0.00305	1	10/11/2019 19:47	WG1360981
Bromochloromethane	U		0.00138	0.00610	1	10/11/2019 19:47	WG1360981
Bromoform	U		0.00729	0.0305	1	10/11/2019 19:47	WG1360981
Bromomethane	U		0.00451	0.0152	1	10/11/2019 19:47	WG1360981
n-Butylbenzene	U		0.00468	0.0152	1	10/11/2019 19:47	WG1360981
sec-Butylbenzene	U		0.00308	0.0152	1	10/11/2019 19:47	WG1360981
tert-Butylbenzene	U		0.00189	0.00610	1	10/11/2019 19:47	WG1360981
Carbon disulfide	U		0.00495	0.0152	1	10/11/2019 19:47	WG1360981
Carbon tetrachloride	U		0.00132	0.00610	1	10/11/2019 19:47	WG1360981
Chlorobenzene	U		0.000699	0.00305	1	10/11/2019 19:47	WG1360981
Chlorodibromomethane	U		0.000549	0.00305	1	10/11/2019 19:47	WG1360981
Chloroethane	U		0.00132	0.00610	1	10/11/2019 19:47	WG1360981
Chloroform	U		0.000506	0.00305	1	10/11/2019 19:47	WG1360981
Chloromethane	U		0.00169	0.0152	1	10/11/2019 19:47	WG1360981
2-Chlorotoluene	U		0.00112	0.00305	1	10/11/2019 19:47	WG1360981
4-Chlorotoluene	U		0.00138	0.00610	1	10/11/2019 19:47	WG1360981
1,2-Dibromo-3-Chloropropane	U		0.00622	0.0305	1	10/11/2019 19:47	WG1360981
1,2-Dibromoethane	U		0.000640	0.00305	1	10/11/2019 19:47	WG1360981
Dibromomethane	U		0.00122	0.00610	1	10/11/2019 19:47	WG1360981
1,2-Dichlorobenzene	U		0.00177	0.00610	1	10/11/2019 19:47	WG1360981
1,3-Dichlorobenzene	U		0.00207	0.00610	1	10/11/2019 19:47	WG1360981
1,4-Dichlorobenzene	U		0.00240	0.00610	1	10/11/2019 19:47	WG1360981
Dichlorodifluoromethane	U	J0	0.000997	0.00305	1	10/11/2019 19:47	WG1360981
1,1-Dichloroethane	U		0.000701	0.00305	1	10/11/2019 19:47	WG1360981
1,2-Dichloroethane	U		0.000579	0.00305	1	10/11/2019 19:47	WG1360981
1,1-Dichloroethene	U		0.000610	0.00305	1	10/11/2019 19:47	WG1360981
cis-1,2-Dichloroethene	1.93		0.000841	0.00305	1	10/11/2019 19:47	WG1360981
trans-1,2-Dichloroethene	0.00987		0.00174	0.00610	1	10/11/2019 19:47	WG1360981
1,2-Dichloropropane	U		0.00155	0.00610	1	10/11/2019 19:47	WG1360981
1,1-Dichloropropene	U		0.000853	0.00305	1	10/11/2019 19:47	WG1360981
1,3-Dichloropropane	U		0.00213	0.00610	1	10/11/2019 19:47	WG1360981
cis-1,3-Dichloropropene	U		0.000827	0.00305	1	10/11/2019 19:47	WG1360981
trans-1,3-Dichloropropene	U		0.00187	0.00610	1	10/11/2019 19:47	WG1360981
trans-1,4-Dichloro-2-butene	U		0.00171	0.00610	1	10/11/2019 19:47	WG1360981
2,2-Dichloropropane	U	J0	0.000967	0.00305	1	10/11/2019 19:47	WG1360981
Di-isopropyl ether	U		0.000427	0.00122	1	10/11/2019 19:47	WG1360981
Ethylbenzene	U		0.000646	0.00305	1	10/11/2019 19:47	WG1360981
Hexachloro-1,3-butadiene	U		0.0155	0.0305	1	10/11/2019 19:47	WG1360981
2-Hexanone	U		0.0122	0.0305	1	10/11/2019 19:47	WG1360981
n-Hexane	0.0300		0.00129	0.00610	1	10/11/2019 19:47	WG1360981
Iodomethane	U		0.00738	0.0152	1	10/11/2019 19:47	WG1360981
Isopropylbenzene	U		0.00105	0.00305	1	10/11/2019 19:47	WG1360981
p-Isopropyltoluene	U		0.00284	0.00610	1	10/11/2019 19:47	WG1360981
2-Butanone (MEK)	0.0233	B J	0.0152	0.0305	1	10/11/2019 19:47	WG1360981
Methylene Chloride	0.0105	J	0.00809	0.0305	1	10/11/2019 19:47	WG1360981
4-Methyl-2-pentanone (MIBK)	U		0.0122	0.0305	1	10/11/2019 19:47	WG1360981

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000360	0.00122	1	10/11/2019 19:47	WG1360981
Naphthalene	U		0.00380	0.0152	1	10/11/2019 19:47	WG1360981
n-Propylbenzene	U		0.00144	0.00610	1	10/11/2019 19:47	WG1360981
Styrene	U		0.00333	0.0152	1	10/11/2019 19:47	WG1360981
1,1,1,2-Tetrachloroethane	U		0.000610	0.00305	1	10/11/2019 19:47	WG1360981
1,1,2,2-Tetrachloroethane	U		0.000475	0.00305	1	10/11/2019 19:47	WG1360981
1,1,2-Trichlorotrifluoroethane	U		0.000823	0.00305	1	10/11/2019 19:47	WG1360981
Tetrachloroethene	0.0928		0.000853	0.00305	1	10/11/2019 19:47	WG1360981
Toluene	0.0171		0.00152	0.00610	1	10/11/2019 19:47	WG1360981
1,2,3-Trichlorobenzene	U		0.000762	0.00305	1	10/11/2019 19:47	WG1360981
1,2,4-Trichlorobenzene	U		0.00588	0.0152	1	10/11/2019 19:47	WG1360981
1,1,1-Trichloroethane	U		0.000335	0.00305	1	10/11/2019 19:47	WG1360981
1,1,2-Trichloroethane	U		0.00108	0.00305	1	10/11/2019 19:47	WG1360981
Trichloroethene	0.0177		0.000488	0.00122	1	10/11/2019 19:47	WG1360981
Trichlorofluoromethane	U		0.000610	0.00305	1	10/11/2019 19:47	WG1360981
1,2,3-Trichloropropane	U		0.00622	0.0152	1	10/11/2019 19:47	WG1360981
1,2,4-Trimethylbenzene	U		0.00141	0.00610	1	10/11/2019 19:47	WG1360981
1,2,3-Trimethylbenzene	U		0.00140	0.00610	1	10/11/2019 19:47	WG1360981
1,3,5-Trimethylbenzene	U		0.00132	0.00610	1	10/11/2019 19:47	WG1360981
Vinyl acetate	U		0.00429	0.0152	1	10/11/2019 19:47	WG1360981
Vinyl chloride	0.0239		0.000833	0.00305	1	10/11/2019 19:47	WG1360981
Xylenes, Total	U		0.00583	0.00792	1	10/11/2019 19:47	WG1360981
(S) Toluene-d8	*105*			*75.0-131*		*10/11/2019 19:47*	WG1360981
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*10/11/2019 19:47*	WG1360981
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*10/11/2019 19:47*	WG1360981

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.0		1	10/08/2019 11:01	WG1358899

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0237	J	0.0172	0.0312	1.1	10/11/2019 20:07	WG1360981
Acrylonitrile	U		0.00237	0.0157	1.1	10/11/2019 20:07	WG1360981
Benzene	U		0.000500	0.00125	1.1	10/11/2019 20:07	WG1360981
Bromobenzene	U		0.00131	0.0157	1.1	10/11/2019 20:07	WG1360981
Bromodichloromethane	U		0.000985	0.00312	1.1	10/11/2019 20:07	WG1360981
Bromochloromethane	U		0.00141	0.00625	1.1	10/11/2019 20:07	WG1360981
Bromoform	U		0.00748	0.0312	1.1	10/11/2019 20:07	WG1360981
Bromomethane	U		0.00462	0.0157	1.1	10/11/2019 20:07	WG1360981
n-Butylbenzene	U		0.00480	0.0157	1.1	10/11/2019 20:07	WG1360981
sec-Butylbenzene	U		0.00316	0.0157	1.1	10/11/2019 20:07	WG1360981
tert-Butylbenzene	U		0.00194	0.00625	1.1	10/11/2019 20:07	WG1360981
Carbon disulfide	U		0.00508	0.0157	1.1	10/11/2019 20:07	WG1360981
Carbon tetrachloride	U		0.00135	0.00625	1.1	10/11/2019 20:07	WG1360981
Chlorobenzene	U		0.000716	0.00312	1.1	10/11/2019 20:07	WG1360981
Chlorodibromomethane	U		0.000562	0.00312	1.1	10/11/2019 20:07	WG1360981
Chloroethane	U		0.00135	0.00625	1.1	10/11/2019 20:07	WG1360981
Chloroform	U		0.000519	0.00312	1.1	10/11/2019 20:07	WG1360981
Chloromethane	U		0.00174	0.0157	1.1	10/11/2019 20:07	WG1360981
2-Chlorotoluene	U		0.00115	0.00312	1.1	10/11/2019 20:07	WG1360981
4-Chlorotoluene	U		0.00141	0.00625	1.1	10/11/2019 20:07	WG1360981
1,2-Dibromo-3-Chloropropane	U		0.00637	0.0312	1.1	10/11/2019 20:07	WG1360981
1,2-Dibromoethane	U		0.000656	0.00312	1.1	10/11/2019 20:07	WG1360981
Dibromomethane	U		0.00125	0.00625	1.1	10/11/2019 20:07	WG1360981
1,2-Dichlorobenzene	U		0.00181	0.00625	1.1	10/11/2019 20:07	WG1360981
1,3-Dichlorobenzene	U		0.00212	0.00625	1.1	10/11/2019 20:07	WG1360981
1,4-Dichlorobenzene	U		0.00247	0.00625	1.1	10/11/2019 20:07	WG1360981
Dichlorodifluoromethane	U	J0	0.00102	0.00312	1.1	10/11/2019 20:07	WG1360981
1,1-Dichloroethane	U		0.000719	0.00312	1.1	10/11/2019 20:07	WG1360981
1,2-Dichloroethane	U		0.000594	0.00312	1.1	10/11/2019 20:07	WG1360981
1,1-Dichloroethene	U		0.000625	0.00312	1.1	10/11/2019 20:07	WG1360981
cis-1,2-Dichloroethene	U		0.000862	0.00312	1.1	10/11/2019 20:07	WG1360981
trans-1,2-Dichloroethene	U		0.00178	0.00625	1.1	10/11/2019 20:07	WG1360981
1,2-Dichloropropane	U		0.00159	0.00625	1.1	10/11/2019 20:07	WG1360981
1,1-Dichloropropene	U		0.000875	0.00312	1.1	10/11/2019 20:07	WG1360981
1,3-Dichloropropane	U		0.00219	0.00625	1.1	10/11/2019 20:07	WG1360981
cis-1,3-Dichloropropene	U		0.000848	0.00312	1.1	10/11/2019 20:07	WG1360981
trans-1,3-Dichloropropene	U		0.00191	0.00625	1.1	10/11/2019 20:07	WG1360981
trans-1,4-Dichloro-2-butene	U		0.00175	0.00625	1.1	10/11/2019 20:07	WG1360981
2,2-Dichloropropane	U	J0	0.000991	0.00312	1.1	10/11/2019 20:07	WG1360981
Di-isopropyl ether	U		0.000437	0.00125	1.1	10/11/2019 20:07	WG1360981
Ethylbenzene	U		0.000662	0.00312	1.1	10/11/2019 20:07	WG1360981
Hexachloro-1,3-butadiene	U		0.0159	0.0312	1.1	10/11/2019 20:07	WG1360981
2-Hexanone	U		0.0125	0.0312	1.1	10/11/2019 20:07	WG1360981
n-Hexane	0.0259		0.00133	0.00625	1.1	10/11/2019 20:07	WG1360981
Iodomethane	U		0.00756	0.0157	1.1	10/11/2019 20:07	WG1360981
Isopropylbenzene	U		0.00108	0.00312	1.1	10/11/2019 20:07	WG1360981
p-Isopropyltoluene	U		0.00291	0.00625	1.1	10/11/2019 20:07	WG1360981
2-Butanone (MEK)	0.0250	B J	0.0157	0.0312	1.1	10/11/2019 20:07	WG1360981
Methylene Chloride	0.0109	J	0.00830	0.0312	1.1	10/11/2019 20:07	WG1360981
4-Methyl-2-pentanone (MIBK)	U		0.0125	0.0312	1.1	10/11/2019 20:07	WG1360981

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

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	0.00125	1.1	10/11/2019 20:07	WG1360981
Naphthalene	U		0.00390	0.0157	1.1	10/11/2019 20:07	WG1360981
n-Propylbenzene	U		0.00148	0.00625	1.1	10/11/2019 20:07	WG1360981
Styrene	U		0.00341	0.0157	1.1	10/11/2019 20:07	WG1360981
1,1,1,2-Tetrachloroethane	U		0.000625	0.00312	1.1	10/11/2019 20:07	WG1360981
1,1,2,2-Tetrachloroethane	U		0.000487	0.00312	1.1	10/11/2019 20:07	WG1360981
1,1,2-Trichlorotrifluoroethane	U		0.000844	0.00312	1.1	10/11/2019 20:07	WG1360981
Tetrachloroethene	U		0.000875	0.00312	1.1	10/11/2019 20:07	WG1360981
Toluene	0.0132		0.00157	0.00625	1.1	10/11/2019 20:07	WG1360981
1,2,3-Trichlorobenzene	U		0.000782	0.00312	1.1	10/11/2019 20:07	WG1360981
1,2,4-Trichlorobenzene	U		0.00602	0.0157	1.1	10/11/2019 20:07	WG1360981
1,1,1-Trichloroethane	U		0.000344	0.00312	1.1	10/11/2019 20:07	WG1360981
1,1,2-Trichloroethane	U		0.00110	0.00312	1.1	10/11/2019 20:07	WG1360981
Trichloroethene	U		0.000500	0.00125	1.1	10/11/2019 20:07	WG1360981
Trichlorofluoromethane	U		0.000625	0.00312	1.1	10/11/2019 20:07	WG1360981
1,2,3-Trichloropropane	U		0.00637	0.0157	1.1	10/11/2019 20:07	WG1360981
1,2,4-Trimethylbenzene	U		0.00145	0.00625	1.1	10/11/2019 20:07	WG1360981
1,2,3-Trimethylbenzene	U		0.00144	0.00625	1.1	10/11/2019 20:07	WG1360981
1,3,5-Trimethylbenzene	U		0.00135	0.00625	1.1	10/11/2019 20:07	WG1360981
Vinyl acetate	U		0.00440	0.0157	1.1	10/11/2019 20:07	WG1360981
Vinyl chloride	U		0.000853	0.00312	1.1	10/11/2019 20:07	WG1360981
Xylenes, Total	U		0.00598	0.00812	1.1	10/11/2019 20:07	WG1360981
(S) Toluene-d8	*104*			*75.0-131*		*10/11/2019 20:07*	WG1360981
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*10/11/2019 20:07*	WG1360981
(S) 1,2-Dichloroethane-d4	*99.0*			*70.0-130*		*10/11/2019 20:07*	WG1360981

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	10/08/2019 11:01	WG1358899

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	707		9.47	27.9	250	10/08/2019 20:44	WG1359149
(S) a,a,a-Trifluorotoluene(FID)	*94.6*			*77.0-120*		*10/08/2019 20:44*	WG1359149

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.427	J	0.306	0.558	20	10/11/2019 20:28	WG1360981
Acrylonitrile	U		0.0424	0.279	20	10/11/2019 20:28	WG1360981
Benzene	U		0.00894	0.0223	20	10/11/2019 20:28	WG1360981
Bromobenzene	U		0.0235	0.279	20	10/11/2019 20:28	WG1360981
Bromodichloromethane	U		0.0176	0.0558	20	10/11/2019 20:28	WG1360981
Bromochloromethane	U		0.0252	0.112	20	10/11/2019 20:28	WG1360981
Bromoform	U		0.134	0.558	20	10/11/2019 20:28	WG1360981
Bromomethane	U		0.0827	0.279	20	10/11/2019 20:28	WG1360981
n-Butylbenzene	0.264	J	0.0858	0.279	20	10/11/2019 20:28	WG1360981
sec-Butylbenzene	1.75		0.0565	0.279	20	10/11/2019 20:28	WG1360981
tert-Butylbenzene	0.0875	J	0.0346	0.112	20	10/11/2019 20:28	WG1360981
Carbon disulfide	U		0.0907	0.279	20	10/11/2019 20:28	WG1360981
Carbon tetrachloride	U		0.0241	0.112	20	10/11/2019 20:28	WG1360981
Chlorobenzene	U		0.0128	0.0558	20	10/11/2019 20:28	WG1360981
Chlorodibromomethane	U		0.0101	0.0558	20	10/11/2019 20:28	WG1360981
Chloroethane	U		0.0241	0.112	20	10/11/2019 20:28	WG1360981
Chloroform	U		0.00927	0.0558	20	10/11/2019 20:28	WG1360981
Chloromethane	U		0.0311	0.279	20	10/11/2019 20:28	WG1360981
2-Chlorotoluene	U		0.0206	0.0558	20	10/11/2019 20:28	WG1360981
4-Chlorotoluene	U		0.0252	0.112	20	10/11/2019 20:28	WG1360981
1,2-Dibromo-3-Chloropropane	U		0.114	0.558	20	10/11/2019 20:28	WG1360981
1,2-Dibromoethane	U		0.0117	0.0558	20	10/11/2019 20:28	WG1360981
Dibromomethane	U		0.0223	0.112	20	10/11/2019 20:28	WG1360981
1,2-Dichlorobenzene	U		0.0324	0.112	20	10/11/2019 20:28	WG1360981
1,3-Dichlorobenzene	U		0.0380	0.112	20	10/11/2019 20:28	WG1360981
1,4-Dichlorobenzene	U		0.0440	0.112	20	10/11/2019 20:28	WG1360981
Dichlorodifluoromethane	U	J0	0.0183	0.0558	20	10/11/2019 20:28	WG1360981
1,1-Dichloroethane	U		0.0128	0.0558	20	10/11/2019 20:28	WG1360981
1,2-Dichloroethane	U		0.0106	0.0558	20	10/11/2019 20:28	WG1360981
1,1-Dichloroethene	U		0.0112	0.0558	20	10/11/2019 20:28	WG1360981
cis-1,2-Dichloroethene	U		0.0154	0.0558	20	10/11/2019 20:28	WG1360981
trans-1,2-Dichloroethene	U		0.0319	0.112	20	10/11/2019 20:28	WG1360981
1,2-Dichloropropane	U		0.0284	0.112	20	10/11/2019 20:28	WG1360981
1,1-Dichloropropene	U		0.0156	0.0558	20	10/11/2019 20:28	WG1360981
1,3-Dichloropropane	U		0.0391	0.112	20	10/11/2019 20:28	WG1360981
cis-1,3-Dichloropropene	U		0.0152	0.0558	20	10/11/2019 20:28	WG1360981
trans-1,3-Dichloropropene	U		0.0342	0.112	20	10/11/2019 20:28	WG1360981
trans-1,4-Dichloro-2-butene	U		0.0313	0.112	20	10/11/2019 20:28	WG1360981
2,2-Dichloropropane	U	J0	0.0178	0.0558	20	10/11/2019 20:28	WG1360981
Di-isopropyl ether	U		0.00782	0.0223	20	10/11/2019 20:28	WG1360981
Ethylbenzene	U		0.0118	0.0558	20	10/11/2019 20:28	WG1360981
Hexachloro-1,3-butadiene	U		0.284	0.558	20	10/11/2019 20:28	WG1360981
2-Hexanone	U		0.223	0.558	20	10/11/2019 20:28	WG1360981
n-Hexane	U		0.0237	0.112	20	10/11/2019 20:28	WG1360981

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.135	0.279	20	10/11/2019 20:28	WG1360981
Isopropylbenzene	1.35		0.0193	0.0558	20	10/11/2019 20:28	WG1360981
p-Isopropyltoluene	U		0.0520	0.112	20	10/11/2019 20:28	WG1360981
2-Butanone (MEK)	U		0.279	0.558	20	10/11/2019 20:28	WG1360981
Methylene Chloride	0.166	J	0.149	0.558	20	10/11/2019 20:28	WG1360981
4-Methyl-2-pentanone (MIBK)	U		0.223	0.558	20	10/11/2019 20:28	WG1360981
Methyl tert-butyl ether	U		0.00659	0.0223	20	10/11/2019 20:28	WG1360981
Naphthalene	U		0.0697	0.279	20	10/11/2019 20:28	WG1360981
n-Propylbenzene	1.81		0.0264	0.112	20	10/11/2019 20:28	WG1360981
Styrene	U		0.0610	0.279	20	10/11/2019 20:28	WG1360981
1,1,1,2-Tetrachloroethane	U		0.0112	0.0558	20	10/11/2019 20:28	WG1360981
1,1,2,2-Tetrachloroethane	U		0.00871	0.0558	20	10/11/2019 20:28	WG1360981
1,1,2-Trichlorotrifluoroethane	U		0.0151	0.0558	20	10/11/2019 20:28	WG1360981
Tetrachloroethene	U		0.0156	0.0558	20	10/11/2019 20:28	WG1360981
Toluene	U		0.0279	0.112	20	10/11/2019 20:28	WG1360981
1,2,3-Trichlorobenzene	U		0.0140	0.0558	20	10/11/2019 20:28	WG1360981
1,2,4-Trichlorobenzene	U		0.108	0.279	20	10/11/2019 20:28	WG1360981
1,1,1-Trichloroethane	U		0.00614	0.0558	20	10/11/2019 20:28	WG1360981
1,1,2-Trichloroethane	U		0.0198	0.0558	20	10/11/2019 20:28	WG1360981
Trichloroethene	U		0.00894	0.0223	20	10/11/2019 20:28	WG1360981
Trichlorofluoromethane	U		0.0112	0.0558	20	10/11/2019 20:28	WG1360981
1,2,3-Trichloropropane	U		0.114	0.279	20	10/11/2019 20:28	WG1360981
1,2,4-Trimethylbenzene	U		0.0259	0.112	20	10/11/2019 20:28	WG1360981
1,2,3-Trimethylbenzene	U		0.0257	0.112	20	10/11/2019 20:28	WG1360981
1,3,5-Trimethylbenzene	U		0.0241	0.112	20	10/11/2019 20:28	WG1360981
Vinyl acetate	U		0.0786	0.279	20	10/11/2019 20:28	WG1360981
Vinyl chloride	U		0.0153	0.0558	20	10/11/2019 20:28	WG1360981
Xylenes, Total	U		0.107	0.145	20	10/11/2019 20:28	WG1360981
(S) Toluene-d8	*91.6*			*75.0-131*		*10/11/2019 20:28*	WG1360981
(S) 4-Bromofluorobenzene	*121*			*67.0-138*		*10/11/2019 20:28*	WG1360981
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*10/11/2019 20:28*	WG1360981

Sample Narrative:

L1145065-25 WG1360981: Dilution due to non-target matrix interference.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	10/08/2019 11:01	WG1358899

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.982	2.90	25	10/08/2019 15:33	WG1359149
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*10/08/2019 15:33*	WG1359149

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0159	0.0290	1	10/11/2019 20:49	WG1360981
Acrylonitrile	0.00396	J	0.00220	0.0145	1	10/11/2019 20:49	WG1360981
Benzene	U		0.000463	0.00116	1	10/11/2019 20:49	WG1360981
Bromobenzene	U		0.00122	0.0145	1	10/11/2019 20:49	WG1360981
Bromodichloromethane	U		0.000913	0.00290	1	10/11/2019 20:49	WG1360981
Bromochloromethane	U		0.00131	0.00579	1	10/11/2019 20:49	WG1360981
Bromoform	U		0.00693	0.0290	1	10/11/2019 20:49	WG1360981
Bromomethane	U		0.00429	0.0145	1	10/11/2019 20:49	WG1360981
n-Butylbenzene	U		0.00445	0.0145	1	10/11/2019 20:49	WG1360981
sec-Butylbenzene	U		0.00293	0.0145	1	10/11/2019 20:49	WG1360981
tert-Butylbenzene	U		0.00180	0.00579	1	10/11/2019 20:49	WG1360981
Carbon disulfide	U		0.00470	0.0145	1	10/11/2019 20:49	WG1360981
Carbon tetrachloride	U		0.00125	0.00579	1	10/11/2019 20:49	WG1360981
Chlorobenzene	U		0.000664	0.00290	1	10/11/2019 20:49	WG1360981
Chlorodibromomethane	U		0.000521	0.00290	1	10/11/2019 20:49	WG1360981
Chloroethane	U		0.00125	0.00579	1	10/11/2019 20:49	WG1360981
Chloroform	U		0.000481	0.00290	1	10/11/2019 20:49	WG1360981
Chloromethane	U		0.00161	0.0145	1	10/11/2019 20:49	WG1360981
2-Chlorotoluene	U		0.00107	0.00290	1	10/11/2019 20:49	WG1360981
4-Chlorotoluene	U		0.00131	0.00579	1	10/11/2019 20:49	WG1360981
1,2-Dibromo-3-Chloropropane	U		0.00591	0.0290	1	10/11/2019 20:49	WG1360981
1,2-Dibromoethane	U		0.000608	0.00290	1	10/11/2019 20:49	WG1360981
Dibromomethane	U		0.00116	0.00579	1	10/11/2019 20:49	WG1360981
1,2-Dichlorobenzene	U		0.00168	0.00579	1	10/11/2019 20:49	WG1360981
1,3-Dichlorobenzene	U		0.00197	0.00579	1	10/11/2019 20:49	WG1360981
1,4-Dichlorobenzene	U		0.00228	0.00579	1	10/11/2019 20:49	WG1360981
Dichlorodifluoromethane	U	J0	0.000947	0.00290	1	10/11/2019 20:49	WG1360981
1,1-Dichloroethane	U		0.000666	0.00290	1	10/11/2019 20:49	WG1360981
1,2-Dichloroethane	U		0.000550	0.00290	1	10/11/2019 20:49	WG1360981
1,1-Dichloroethene	U		0.000579	0.00290	1	10/11/2019 20:49	WG1360981
cis-1,2-Dichloroethene	U		0.000799	0.00290	1	10/11/2019 20:49	WG1360981
trans-1,2-Dichloroethene	U		0.00166	0.00579	1	10/11/2019 20:49	WG1360981
1,2-Dichloropropane	U		0.00147	0.00579	1	10/11/2019 20:49	WG1360981
1,1-Dichloropropene	U		0.000811	0.00290	1	10/11/2019 20:49	WG1360981
1,3-Dichloropropane	U		0.00203	0.00579	1	10/11/2019 20:49	WG1360981
cis-1,3-Dichloropropene	U		0.000785	0.00290	1	10/11/2019 20:49	WG1360981
trans-1,3-Dichloropropene	U		0.00177	0.00579	1	10/11/2019 20:49	WG1360981
trans-1,4-Dichloro-2-butene	U		0.00162	0.00579	1	10/11/2019 20:49	WG1360981
2,2-Dichloropropane	U	J0	0.000918	0.00290	1	10/11/2019 20:49	WG1360981
Di-isopropyl ether	U		0.000405	0.00116	1	10/11/2019 20:49	WG1360981
Ethylbenzene	U		0.000614	0.00290	1	10/11/2019 20:49	WG1360981
Hexachloro-1,3-butadiene	U		0.0147	0.0290	1	10/11/2019 20:49	WG1360981
2-Hexanone	U		0.0116	0.0290	1	10/11/2019 20:49	WG1360981
n-Hexane	0.0255		0.00123	0.00579	1	10/11/2019 20:49	WG1360981

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00701	0.0145	1	10/11/2019 20:49	WG1360981
Isopropylbenzene	U		0.000999	0.00290	1	10/11/2019 20:49	WG1360981
p-Isopropyltoluene	U		0.00270	0.00579	1	10/11/2019 20:49	WG1360981
2-Butanone (MEK)	0.0186	B J	0.0145	0.0290	1	10/11/2019 20:49	WG1360981
Methylene Chloride	0.00804	J	0.00769	0.0290	1	10/11/2019 20:49	WG1360981
4-Methyl-2-pentanone (MIBK)	U		0.0116	0.0290	1	10/11/2019 20:49	WG1360981
Methyl tert-butyl ether	U		0.000342	0.00116	1	10/11/2019 20:49	WG1360981
Naphthalene	U		0.00361	0.0145	1	10/11/2019 20:49	WG1360981
n-Propylbenzene	U		0.00137	0.00579	1	10/11/2019 20:49	WG1360981
Styrene	U		0.00316	0.0145	1	10/11/2019 20:49	WG1360981
1,1,1,2-Tetrachloroethane	U		0.000579	0.00290	1	10/11/2019 20:49	WG1360981
1,1,2,2-Tetrachloroethane	U		0.000452	0.00290	1	10/11/2019 20:49	WG1360981
1,1,2-Trichlorotrifluoroethane	U		0.000782	0.00290	1	10/11/2019 20:49	WG1360981
Tetrachloroethene	U		0.000811	0.00290	1	10/11/2019 20:49	WG1360981
Toluene	0.0110		0.00145	0.00579	1	10/11/2019 20:49	WG1360981
1,2,3-Trichlorobenzene	U		0.000724	0.00290	1	10/11/2019 20:49	WG1360981
1,2,4-Trichlorobenzene	U		0.00558	0.0145	1	10/11/2019 20:49	WG1360981
1,1,1-Trichloroethane	U		0.000318	0.00290	1	10/11/2019 20:49	WG1360981
1,1,2-Trichloroethane	U		0.00102	0.00290	1	10/11/2019 20:49	WG1360981
Trichloroethene	U		0.000463	0.00116	1	10/11/2019 20:49	WG1360981
Trichlorofluoromethane	U		0.000579	0.00290	1	10/11/2019 20:49	WG1360981
1,2,3-Trichloropropane	U		0.00591	0.0145	1	10/11/2019 20:49	WG1360981
1,2,4-Trimethylbenzene	U		0.00134	0.00579	1	10/11/2019 20:49	WG1360981
1,2,3-Trimethylbenzene	U		0.00133	0.00579	1	10/11/2019 20:49	WG1360981
1,3,5-Trimethylbenzene	U		0.00125	0.00579	1	10/11/2019 20:49	WG1360981
Vinyl acetate	U		0.00408	0.0145	1	10/11/2019 20:49	WG1360981
Vinyl chloride	U		0.000791	0.00290	1	10/11/2019 20:49	WG1360981
Xylenes, Total	U		0.00554	0.00753	1	10/11/2019 20:49	WG1360981
(S) Toluene-d8	*103*			*75.0-131*		*10/11/2019 20:49*	WG1360981
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*10/11/2019 20:49*	WG1360981
(S) 1,2-Dichloroethane-d4	*97.7*			*70.0-130*		*10/11/2019 20:49*	WG1360981

Method Blank (MB)

(MB) R3459008-1 10/08/19 11:42

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1145065-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1145065-03 10/08/19 11:42 • (DUP) R3459008-3 10/08/19 11:42

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.0	88.8	1	0.205		10

Laboratory Control Sample (LCS)

(LCS) R3459008-2 10/08/19 11:42

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) R3459004-1 10/08/19 11:27

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1145065-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1145065-10 10/08/19 11:27 • (DUP) R3459004-3 10/08/19 11:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.9	86.9	1	0.00173		10

Laboratory Control Sample (LCS)

(LCS) R3459004-2 10/08/19 11:27

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) R3459003-1 10/08/19 11:01

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1145065-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1145065-20 10/08/19 11:01 • (DUP) R3459003-3 10/08/19 11:01

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.5	86.7	1	0.190		10

Laboratory Control Sample (LCS)

(LCS) R3459003-2 10/08/19 11:01

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	49.9	99.8	85.0-115	

Method Blank (MB)

(MB) R3459363-2 10/08/19 12:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*97.7*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3459363-1 10/08/19 10:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	4.46	81.1	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*77.0-120*	

L1145093-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1145093-12 10/08/19 20:20 • (MS) R3459363-3 10/08/19 21:08 • (MSD) R3459363-4 10/08/19 21:33

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 %
Gasoline Range Organics-NWTPH	6.26	U	6.73	6.14	108	98.1	1.05	10.0-149			9.25	27
(S) a,a,a-Trifluorotoluene(FID)					*105*	*105*		*77.0-120*				

Method Blank (MB)

(MB) R3458477-2 10/06/19 19:39

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

Method Blank (MB)

(MB) R3458477-2 10/06/19 19:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3458477-1 10/06/19 19:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	103	82.4	19.0-160	
Acrylonitrile	125	107	85.6	55.0-149	
Benzene	25.0	24.2	96.8	70.0-123	
Bromobenzene	25.0	22.8	91.2	73.0-121	
Bromodichloromethane	25.0	29.2	117	75.0-120	
Bromochloromethane	25.0	29.6	118	76.0-122	
Bromoform	25.0	26.9	108	68.0-132	
Bromomethane	25.0	25.1	100	10.0-160	
n-Butylbenzene	25.0	23.3	93.2	73.0-125	
sec-Butylbenzene	25.0	24.2	96.8	75.0-125	
tert-Butylbenzene	25.0	25.2	101	76.0-124	
Carbon disulfide	25.0	23.1	92.4	61.0-128	
Carbon tetrachloride	25.0	30.0	120	68.0-126	
Chlorobenzene	25.0	25.8	103	80.0-121	
Chlorodibromomethane	25.0	29.1	116	77.0-125	
Chloroethane	25.0	23.8	95.2	47.0-150	
Chloroform	25.0	27.2	109	73.0-120	
Chloromethane	25.0	22.8	91.2	41.0-142	
2-Chlorotoluene	25.0	23.7	94.8	76.0-123	
4-Chlorotoluene	25.0	23.8	95.2	75.0-122	
1,2-Dibromo-3-Chloropropane	25.0	27.7	111	58.0-134	
1,2-Dibromoethane	25.0	27.1	108	80.0-122	
Dibromomethane	25.0	25.5	102	80.0-120	
1,2-Dichlorobenzene	25.0	25.9	104	79.0-121	
1,3-Dichlorobenzene	25.0	26.2	105	79.0-120	
1,4-Dichlorobenzene	25.0	24.6	98.4	79.0-120	
Dichlorodifluoromethane	25.0	34.0	136	51.0-149	
1,1-Dichloroethane	25.0	23.5	94.0	70.0-126	
1,2-Dichloroethane	25.0	28.6	114	70.0-128	
1,1-Dichloroethene	25.0	25.5	102	71.0-124	
cis-1,2-Dichloroethene	25.0	24.9	99.6	73.0-120	
trans-1,2-Dichloroethene	25.0	24.8	99.2	73.0-120	
1,2-Dichloropropane	25.0	22.9	91.6	77.0-125	
1,1-Dichloropropene	25.0	26.3	105	74.0-126	
1,3-Dichloropropane	25.0	25.0	100	80.0-120	
cis-1,3-Dichloropropene	25.0	26.0	104	80.0-123	
trans-1,3-Dichloropropene	25.0	26.8	107	78.0-124	
trans-1,4-Dichloro-2-butene	25.0	20.7	82.8	33.0-144	
2,2-Dichloropropane	25.0	29.0	116	58.0-130	
Di-isopropyl ether	25.0	20.2	80.8	58.0-138	

Laboratory Control Sample (LCS)

(LCS) R3458477-1 10/06/19 19:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	25.0	25.0	100	79.0-123	
Hexachloro-1,3-butadiene	25.0	31.1	124	54.0-138	
2-Hexanone	125	113	90.4	67.0-149	
n-Hexane	25.0	23.2	92.8	57.0-133	
Iodomethane	125	159	127	33.0-147	
Isopropylbenzene	25.0	27.4	110	76.0-127	
p-Isopropyltoluene	25.0	25.4	102	76.0-125	
2-Butanone (MEK)	125	101	80.8	44.0-160	
Methylene Chloride	25.0	22.3	89.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	125	102	81.6	68.0-142	
Methyl tert-butyl ether	25.0	27.1	108	68.0-125	
Naphthalene	25.0	26.6	106	54.0-135	
n-Propylbenzene	25.0	23.4	93.6	77.0-124	
Styrene	25.0	26.5	106	73.0-130	
1,1,1,2-Tetrachloroethane	25.0	28.7	115	75.0-125	
1,1,2,2-Tetrachloroethane	25.0	21.6	86.4	65.0-130	
1,1,2-Trichlorotrifluoroethane	25.0	25.2	101	69.0-132	
Tetrachloroethene	25.0	28.1	112	72.0-132	
Toluene	25.0	24.4	97.6	79.0-120	
1,2,3-Trichlorobenzene	25.0	32.3	129	50.0-138	
1,2,4-Trichlorobenzene	25.0	29.5	118	57.0-137	
1,1,1-Trichloroethane	25.0	30.7	123	73.0-124	
1,1,2-Trichloroethane	25.0	25.8	103	80.0-120	
Trichloroethene	25.0	28.4	114	78.0-124	
Trichlorofluoromethane	25.0	32.9	132	59.0-147	
1,2,3-Trichloropropane	25.0	26.2	105	73.0-130	
1,2,4-Trimethylbenzene	25.0	25.3	101	76.0-121	
1,2,3-Trimethylbenzene	25.0	25.1	100	77.0-120	
1,3,5-Trimethylbenzene	25.0	25.4	102	76.0-122	
Vinyl acetate	125	109	87.2	11.0-160	
Vinyl chloride	25.0	25.9	104	67.0-131	
Xylenes, Total	75.0	77.0	103	79.0-123	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*112*	*70.0-130*	

Method Blank (MB)

(MB) R3460033-3 10/11/19 04:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	0.00149	J	0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3460033-3 10/11/19 04:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	0.0152	J	0.0125	0.0250
Methylene Chloride	0.00973	J	0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*107*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*

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

(LCS) R3460033-1 10/11/19 02:04 • (LCSD) R3460033-2 10/11/19 02:25

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	0.686	0.674	110	108	10.0-160			1.76	31
Acrylonitrile	0.625	0.648	0.644	104	103	45.0-153			0.619	22
Benzene	0.125	0.118	0.122	94.4	97.6	70.0-123			3.33	20
Bromobenzene	0.125	0.115	0.120	92.0	96.0	73.0-121			4.26	20
Bromodichloromethane	0.125	0.122	0.124	97.6	99.2	73.0-121			1.63	20
Bromochloromethane	0.125	0.126	0.128	101	102	77.0-128			1.57	20
Bromoform	0.125	0.121	0.122	96.8	97.6	64.0-132			0.823	20
Bromomethane	0.125	0.124	0.130	99.2	104	56.0-147			4.72	20
n-Butylbenzene	0.125	0.118	0.125	94.4	100	68.0-135			5.76	20
sec-Butylbenzene	0.125	0.121	0.127	96.8	102	74.0-130			4.84	20
tert-Butylbenzene	0.125	0.120	0.130	96.0	104	75.0-127			8.00	20
Carbon disulfide	0.125	0.114	0.122	91.2	97.6	56.0-133			6.78	20
Carbon tetrachloride	0.125	0.126	0.137	101	110	66.0-128			8.37	20
Chlorobenzene	0.125	0.122	0.129	97.6	103	76.0-128			5.58	20
Chlorodibromomethane	0.125	0.107	0.107	85.6	85.6	74.0-127			0.000	20
Chloroethane	0.125	0.125	0.135	100	108	61.0-134			7.69	20
Chloroform	0.125	0.120	0.122	96.0	97.6	72.0-123			1.65	20
Chloromethane	0.125	0.129	0.145	103	116	51.0-138			11.7	20
2-Chlorotoluene	0.125	0.120	0.125	96.0	100	75.0-124			4.08	20
4-Chlorotoluene	0.125	0.121	0.124	96.8	99.2	75.0-124			2.45	20
1,2-Dibromo-3-Chloropropane	0.125	0.113	0.115	90.4	92.0	59.0-130			1.75	20
1,2-Dibromoethane	0.125	0.121	0.125	96.8	100	74.0-128			3.25	20
Dibromomethane	0.125	0.130	0.128	104	102	75.0-122			1.55	20
1,2-Dichlorobenzene	0.125	0.120	0.126	96.0	101	76.0-124			4.88	20
1,3-Dichlorobenzene	0.125	0.119	0.122	95.2	97.6	76.0-125			2.49	20
1,4-Dichlorobenzene	0.125	0.119	0.121	95.2	96.8	77.0-121			1.67	20
trans-1,4-Dichloro-2-butene	0.125	0.107	0.109	85.6	87.2	45.0-143			1.85	20
Dichlorodifluoromethane	0.125	0.133	0.136	106	109	43.0-156			2.23	20
1,1-Dichloroethane	0.125	0.124	0.132	99.2	106	70.0-127			6.25	20
1,2-Dichloroethane	0.125	0.115	0.122	92.0	97.6	65.0-131			5.91	20
1,1-Dichloroethene	0.125	0.122	0.125	97.6	100	65.0-131			2.43	20
cis-1,2-Dichloroethene	0.125	0.122	0.124	97.6	99.2	73.0-125			1.63	20
trans-1,2-Dichloroethene	0.125	0.115	0.120	92.0	96.0	71.0-125			4.26	20
1,2-Dichloropropane	0.125	0.123	0.133	98.4	106	74.0-125			7.81	20
1,1-Dichloropropene	0.125	0.124	0.128	99.2	102	73.0-125			3.17	20
1,3-Dichloropropane	0.125	0.120	0.124	96.0	99.2	80.0-125			3.28	20
cis-1,3-Dichloropropene	0.125	0.121	0.125	96.8	100	76.0-127			3.25	20
trans-1,3-Dichloropropene	0.125	0.122	0.121	97.6	96.8	73.0-127			0.823	20
2,2-Dichloropropane	0.125	0.111	0.117	88.8	93.6	59.0-135			5.26	20
Di-isopropyl ether	0.125	0.126	0.129	101	103	60.0-136			2.35	20

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

(LCS) R3460033-1 10/11/19 02:04 • (LCSD) R3460033-2 10/11/19 02:25

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	0.122	0.123	97.6	98.4	74.0-126			0.816	20
Hexachloro-1,3-butadiene	0.125	0.128	0.122	102	97.6	57.0-150			4.80	20
2-Hexanone	0.625	0.656	0.655	105	105	54.0-147			0.153	20
n-Hexane	0.125	0.111	0.119	88.8	95.2	55.0-137			6.96	20
Iodomethane	0.625	0.606	0.640	97.0	102	74.0-134			5.46	20
Isopropylbenzene	0.125	0.123	0.129	98.4	103	72.0-127			4.76	20
p-Isopropyltoluene	0.125	0.122	0.129	97.6	103	72.0-133			5.58	20
2-Butanone (MEK)	0.625	0.646	0.665	103	106	30.0-160			2.90	24
Methylene Chloride	0.125	0.125	0.126	100	101	68.0-123			0.797	20
4-Methyl-2-pentanone (MIBK)	0.625	0.648	0.645	104	103	56.0-143			0.464	20
Methyl tert-butyl ether	0.125	0.125	0.130	100	104	66.0-132			3.92	20
Naphthalene	0.125	0.121	0.119	96.8	95.2	59.0-130			1.67	20
n-Propylbenzene	0.125	0.119	0.125	95.2	100	74.0-126			4.92	20
Styrene	0.125	0.125	0.129	100	103	72.0-127			3.15	20
1,1,1,2-Tetrachloroethane	0.125	0.122	0.124	97.6	99.2	74.0-129			1.63	20
1,1,2,2-Tetrachloroethane	0.125	0.112	0.110	89.6	88.0	68.0-128			1.80	20
Tetrachloroethene	0.125	0.126	0.131	101	105	70.0-136			3.89	20
Toluene	0.125	0.120	0.126	96.0	101	75.0-121			4.88	20
1,1,2-Trichlorotrifluoroethane	0.125	0.110	0.116	88.0	92.8	61.0-139			5.31	20
1,2,3-Trichlorobenzene	0.125	0.132	0.130	106	104	59.0-139			1.53	20
1,2,4-Trichlorobenzene	0.125	0.123	0.123	98.4	98.4	62.0-137			0.000	20
1,1,1-Trichloroethane	0.125	0.126	0.133	101	106	69.0-126			5.41	20
1,1,2-Trichloroethane	0.125	0.122	0.120	97.6	96.0	78.0-123			1.65	20
Trichloroethene	0.125	0.132	0.141	106	113	76.0-126			6.59	20
Trichlorofluoromethane	0.125	0.128	0.140	102	112	61.0-142			8.96	20
1,2,3-Trichloropropane	0.125	0.120	0.127	96.0	102	67.0-129			5.67	20
1,2,3-Trimethylbenzene	0.125	0.119	0.123	95.2	98.4	74.0-124			3.31	20
1,2,4-Trimethylbenzene	0.125	0.111	0.120	88.8	96.0	70.0-126			7.79	20
1,3,5-Trimethylbenzene	0.125	0.120	0.125	96.0	100	73.0-127			4.08	20
Vinyl acetate	0.625	0.450	0.392	72.0	62.7	43.0-159			13.8	20
Vinyl chloride	0.125	0.126	0.137	101	110	63.0-134			8.37	20
Xylenes, Total	0.375	0.363	0.382	96.8	102	72.0-127			5.10	20
(S) Toluene-d8				*102*	*102*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*102*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*98.6*	*99.1*	*70.0-130*				

Method Blank (MB)

(MB) R3460505-3 10/11/19 16:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	U		0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100

Method Blank (MB)

(MB) R3460505-3 10/11/19 16:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000530	0.00250
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	0.0197	J	0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*105*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*97.9*			*70.0-130*

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

(LCS) R3460505-1 10/11/19 13:57 • (LCSD) R3460505-2 10/11/19 14:18

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	0.665	0.687	106	110	10.0-160			3.25	31
Acrylonitrile	0.625	0.636	0.645	102	103	45.0-153			1.41	22
Benzene	0.125	0.117	0.115	93.6	92.0	70.0-123			1.72	20
Bromobenzene	0.125	0.116	0.113	92.8	90.4	73.0-121			2.62	20
Bromodichloromethane	0.125	0.123	0.123	98.4	98.4	73.0-121			0.000	20
Bromochloromethane	0.125	0.125	0.126	100	101	77.0-128			0.797	20
Bromoform	0.125	0.122	0.122	97.6	97.6	64.0-132			0.000	20
Bromomethane	0.125	0.113	0.116	90.4	92.8	56.0-147			2.62	20
n-Butylbenzene	0.125	0.124	0.119	99.2	95.2	68.0-135			4.12	20
sec-Butylbenzene	0.125	0.124	0.117	99.2	93.6	74.0-130			5.81	20
tert-Butylbenzene	0.125	0.128	0.120	102	96.0	75.0-127			6.45	20
Carbon disulfide	0.125	0.114	0.113	91.2	90.4	56.0-133			0.881	20
Carbon tetrachloride	0.125	0.130	0.128	104	102	66.0-128			1.55	20
Chlorobenzene	0.125	0.123	0.125	98.4	100	76.0-128			1.61	20
Chlorodibromomethane	0.125	0.111	0.110	88.8	88.0	74.0-127			0.905	20
Chloroethane	0.125	0.117	0.117	93.6	93.6	61.0-134			0.000	20
Chloroform	0.125	0.122	0.120	97.6	96.0	72.0-123			1.65	20
Chloromethane	0.125	0.116	0.116	92.8	92.8	51.0-138			0.000	20
2-Chlorotoluene	0.125	0.123	0.117	98.4	93.6	75.0-124			5.00	20
4-Chlorotoluene	0.125	0.124	0.115	99.2	92.0	75.0-124			7.53	20
1,2-Dibromo-3-Chloropropane	0.125	0.119	0.114	95.2	91.2	59.0-130			4.29	20
1,2-Dibromoethane	0.125	0.117	0.120	93.6	96.0	74.0-128			2.53	20
Dibromomethane	0.125	0.126	0.131	101	105	75.0-122			3.89	20
1,2-Dichlorobenzene	0.125	0.125	0.118	100	94.4	76.0-124			5.76	20
1,3-Dichlorobenzene	0.125	0.122	0.116	97.6	92.8	76.0-125			5.04	20
1,4-Dichlorobenzene	0.125	0.124	0.121	99.2	96.8	77.0-121			2.45	20
trans-1,4-Dichloro-2-butene	0.125	0.108	0.107	86.4	85.6	45.0-143			0.930	20
Dichlorodifluoromethane	0.125	0.0946	0.0913	75.7	73.0	43.0-156			3.55	20
1,1-Dichloroethane	0.125	0.125	0.124	100	99.2	70.0-127			0.803	20
1,2-Dichloroethane	0.125	0.117	0.119	93.6	95.2	65.0-131			1.69	20
1,1-Dichloroethene	0.125	0.122	0.119	97.6	95.2	65.0-131			2.49	20
cis-1,2-Dichloroethene	0.125	0.120	0.121	96.0	96.8	73.0-125			0.830	20
trans-1,2-Dichloroethene	0.125	0.120	0.110	96.0	88.0	71.0-125			8.70	20
1,2-Dichloropropane	0.125	0.123	0.124	98.4	99.2	74.0-125			0.810	20
1,1-Dichloropropene	0.125	0.129	0.121	103	96.8	73.0-125			6.40	20
1,3-Dichloropropane	0.125	0.121	0.120	96.8	96.0	80.0-125			0.830	20
cis-1,3-Dichloropropene	0.125	0.122	0.119	97.6	95.2	76.0-127			2.49	20
trans-1,3-Dichloropropene	0.125	0.120	0.116	96.0	92.8	73.0-127			3.39	20
2,2-Dichloropropane	0.125	0.0999	0.0966	79.9	77.3	59.0-135			3.36	20
Di-isopropyl ether	0.125	0.123	0.125	98.4	100	60.0-136			1.61	20

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

(LCS) R3460505-1 10/11/19 13:57 • (LCSD) R3460505-2 10/11/19 14:18

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	0.123	0.117	98.4	93.6	74.0-126			5.00	20
Hexachloro-1,3-butadiene	0.125	0.129	0.132	103	106	57.0-150			2.30	20
2-Hexanone	0.625	0.645	0.631	103	101	54.0-147			2.19	20
n-Hexane	0.125	0.113	0.111	90.4	88.8	55.0-137			1.79	20
Iodomethane	0.625	0.619	0.607	99.0	97.1	74.0-134			1.96	20
Isopropylbenzene	0.125	0.125	0.123	100	98.4	72.0-127			1.61	20
p-Isopropyltoluene	0.125	0.124	0.121	99.2	96.8	72.0-133			2.45	20
2-Butanone (MEK)	0.625	0.659	0.654	105	105	30.0-160			0.762	24
Methylene Chloride	0.125	0.118	0.123	94.4	98.4	68.0-123			4.15	20
4-Methyl-2-pentanone (MIBK)	0.625	0.645	0.636	103	102	56.0-143			1.41	20
Methyl tert-butyl ether	0.125	0.118	0.123	94.4	98.4	66.0-132			4.15	20
Naphthalene	0.125	0.123	0.119	98.4	95.2	59.0-130			3.31	20
n-Propylbenzene	0.125	0.121	0.114	96.8	91.2	74.0-126			5.96	20
Styrene	0.125	0.124	0.123	99.2	98.4	72.0-127			0.810	20
1,1,1,2-Tetrachloroethane	0.125	0.123	0.127	98.4	102	74.0-129			3.20	20
1,1,2,2-Tetrachloroethane	0.125	0.110	0.110	88.0	88.0	68.0-128			0.000	20
Tetrachloroethene	0.125	0.129	0.130	103	104	70.0-136			0.772	20
Toluene	0.125	0.121	0.120	96.8	96.0	75.0-121			0.830	20
1,1,2-Trichlorotrifluoroethane	0.125	0.118	0.108	94.4	86.4	61.0-139			8.85	20
1,2,3-Trichlorobenzene	0.125	0.138	0.138	110	110	59.0-139			0.000	20
1,2,4-Trichlorobenzene	0.125	0.132	0.126	106	101	62.0-137			4.65	20
1,1,1-Trichloroethane	0.125	0.126	0.125	101	100	69.0-126			0.797	20
1,1,2-Trichloroethane	0.125	0.119	0.121	95.2	96.8	78.0-123			1.67	20
Trichloroethene	0.125	0.137	0.135	110	108	76.0-126			1.47	20
Trichlorofluoromethane	0.125	0.134	0.130	107	104	61.0-142			3.03	20
1,2,3-Trichloropropane	0.125	0.120	0.122	96.0	97.6	67.0-129			1.65	20
1,2,3-Trimethylbenzene	0.125	0.117	0.115	93.6	92.0	74.0-124			1.72	20
1,2,4-Trimethylbenzene	0.125	0.115	0.111	92.0	88.8	70.0-126			3.54	20
1,3,5-Trimethylbenzene	0.125	0.124	0.117	99.2	93.6	73.0-127			5.81	20
Vinyl acetate	0.625	0.342	0.356	54.7	57.0	43.0-159			4.01	20
Vinyl chloride	0.125	0.120	0.115	96.0	92.0	63.0-134			4.26	20
Xylenes, Total	0.375	0.372	0.364	99.2	97.1	72.0-127			2.17	20
(S) Toluene-d8				*101*	*103*	*75.0-131*				
(S) 4-Bromofluorobenzene				*102*	*105*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*100*	*102*	*70.0-130*				

Method Blank (MB)

(MB) R3460644-2 10/13/19 13:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Naphthalene	U		0.00312	0.0125
(S) Toluene-d8	*110*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3460644-1 10/13/19 12:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.136	109	59.0-130	
(S) Toluene-d8			*109*	*75.0-131*	
(S) 4-Bromofluorobenzene			*101*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*117*	*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.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.

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

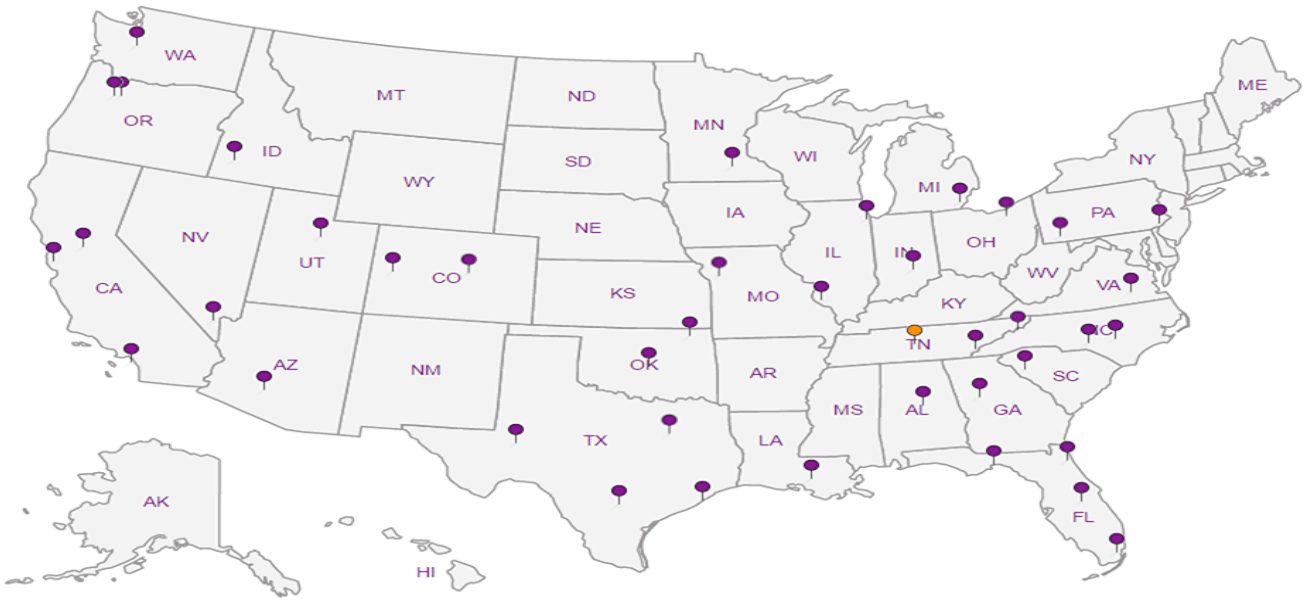
Third Party Federal Accreditations

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:

City/State Collected: SEATTLE WA

Please Circle: PT MT CT ET

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

Client Project # M13.001.02.S01B

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLAUGHLIN

Site/Facility ID #

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

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
TB-093019	—	~~SS~~	—	9/30/19	0730	~~3~~ 1	X			-01
MW-323-10	GRAB	SS	10	9/28/19	0935	2	X	X		-02
MW-323-15			15		0955					-03
MW-323-20			20		0957					-04
MW-323-25			25		1010					-05
MW-323-30			30		1012					-06
MW-323-35			35		1025					-07
MW-323-40			40		1030					-08
MW-323-45			45		1125					-09
MW-323-50	X	X	50	X	1128	2	X	X		-10

Chain of Custody Page 1 of 3

Pace Analytical® National Center for Testing & Innovation

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

SDG # L1145065

D098

Acctnum: PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110 - Brian Ford

PB: 8/21/19 MB

Shipped Via: FedEX Ground

* 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 # 1145 2227 2675

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: 9/30/19	Time: 0800	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.7,4.1=4.4 °C AA A3	Bottles Received: 50
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/1/19	Time: 9:00

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

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected:

Please Circle: PT MT CT ET

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

Client Project # 1413.001.~~05.601~~ 02.5018

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLAUGHLIN

Site/Facility ID #

P.O. #

Collected by (signature): Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

Pace Analytical® National Center for Testing & Innovation

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

SDG # L1145065

Table #

Acctnum: PESENVSWA
Template: T134174
Prelogin: P731162
PM: 110 - Brian Ford
PB: 9-23-19

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-323-55	55 GRAB	SS	55	9/28/19	1130	2	X	X		-11
MW-323-60	60	SS	60		1132					-12
MW-323-65	65	SS	65		1215					-13
MW-323-70	70	SS	70		1217					-14
MW-323-75	75	SS	75		1338					-15
MW-323-80	80 X	SS	80		1340					-16
MW-323-85	GRAB	SS	85		1450					-17
MW-323-91		SS	91		1452					-18
MW-323-95		SS	95		1455					-19
MW-323-99	X	SS	99	X	1500	2	X	X		-20

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier _____

Tracking # Same

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
Kathleen McLaughlin	9/30/19	0800		3
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
				4.7+1=4.8 4a 13 50
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				10/1/19 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 3 of 3

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: SEATTLE

Please Circle: PT MT CT ET

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

Client Project # 1413-001-02-SOIB

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLAUGHLIN

Site/Facility ID #

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

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260C 40mlAmb/MeOH5ml/Syr	dry weight 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-323-105	GRAB	SS	105	9/28/19	1610	2	X	X		-21
MW-323-110			110		1612					-22
MW-2010-			60		1600					-23
MW-2012-10			10		1630	2	X	X		-24
MW-320-19			19	9/29/19	1405	2	X	X		-25
MW-32027	X	SS	27		1400	2	X	X		-26

LAB # L1145065

Table #

Acctnum: PESENVSWA

Template: T154694

Prelogin: P725383

PM: 110 - Brian Ford

PB: 8/21/19 MB

Shipped Via: FedEx Ground

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

* 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 # Same

Relinquished by : (Signature) [signature] Date: 9/30/19 Time: 0800

Received by: (Signature)

Relinquished by : (Signature) Date: Time:

Received by: (Signature)

Relinquished by : (Signature) Date: Time:

Received for lab by: (Signature) [signature] Date: 10/1/19 Time: 9:00

Trip Blank Received: Yes / No HCl / MeoH TBR

Temp: °C 4.7+1=4.8 AF AT Bottles Received: 5

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

Brian Ford

From: Rachel T. McLaughlin <RMcLaughlin@pesenv.com>
Sent: Monday, September 30, 2019 7:05 PM
To: Brian Ford
Cc: Karsten Springstead; Kim Vik
Subject: COC correction for American Linen Samples

Categories: update login/report

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Brian,

A shipment of samples from our American Linen project (#1413.001.02.501B) went out today and should arrive to your lab tomorrow. For samples "MW-320-19" & "MW-320-27" in addition to VOCs we would like to run them for NWTPH-GX.

Once they arrive, can you please add this analysis to the chain?

Thank you,

Rachel

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